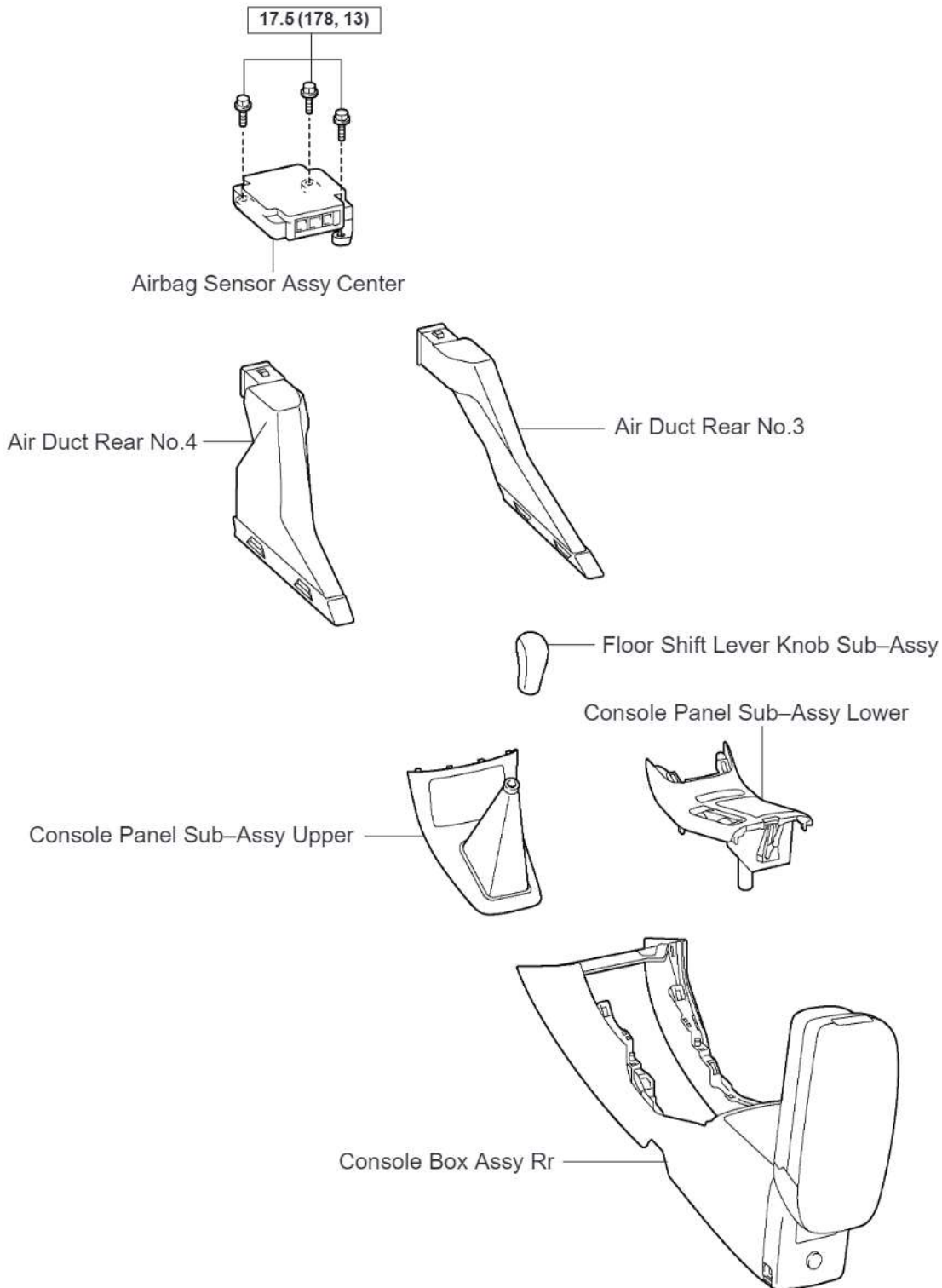


AIR BAG SENSOR ASSY CENTER COMPONENTS

600AD-04

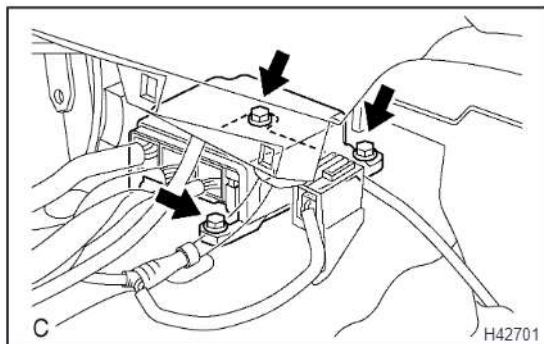


C **N m (kgf cm, ft lbf)** : Specified torque

H42700

REPLACEMENT

1. PRECAUTION (See page 60-1)
2. DISCONNECT BATTERY NEGATIVE TERMINAL (See page 60-1)
3. REMOVE SHIFT LEVER KNOB SUB-ASSY (M/T TRANSAXLE) (See page 71-11)
4. REMOVE CONSOLE PANEL SUB-ASSY UPPER (See page 71-11)
5. REMOVE CONSOLE PANEL SUB-ASSY LOWER (See page 71-11)
6. REMOVE CONSOLE BOX ASSY RR (See page 71-11)
7. REMOVE AIR DUCT REAR NO.3 (See page 71-11)
8. REMOVE AIR DUCT REAR NO.4 (See page 71-11)



9. REMOVE AIR BAG SENSOR ASSY CENTER

- (a) Disconnect the 3 connectors from the airbag sensor assy center.
- (b) Remove the 3 bolts and airbag sensor assy center.

10. INSTALL AIR BAG SENSOR ASSY CENTER

- (a) Check that the ignition switch is off.
- (b) Check that the battery negative (–) terminal is disconnected.

NOTICE:

Do not start the operation for 90 seconds after removing the terminal.

- (c) Temporarily install the airbag sensor assy center with the 3 bolts.

NOTICE:

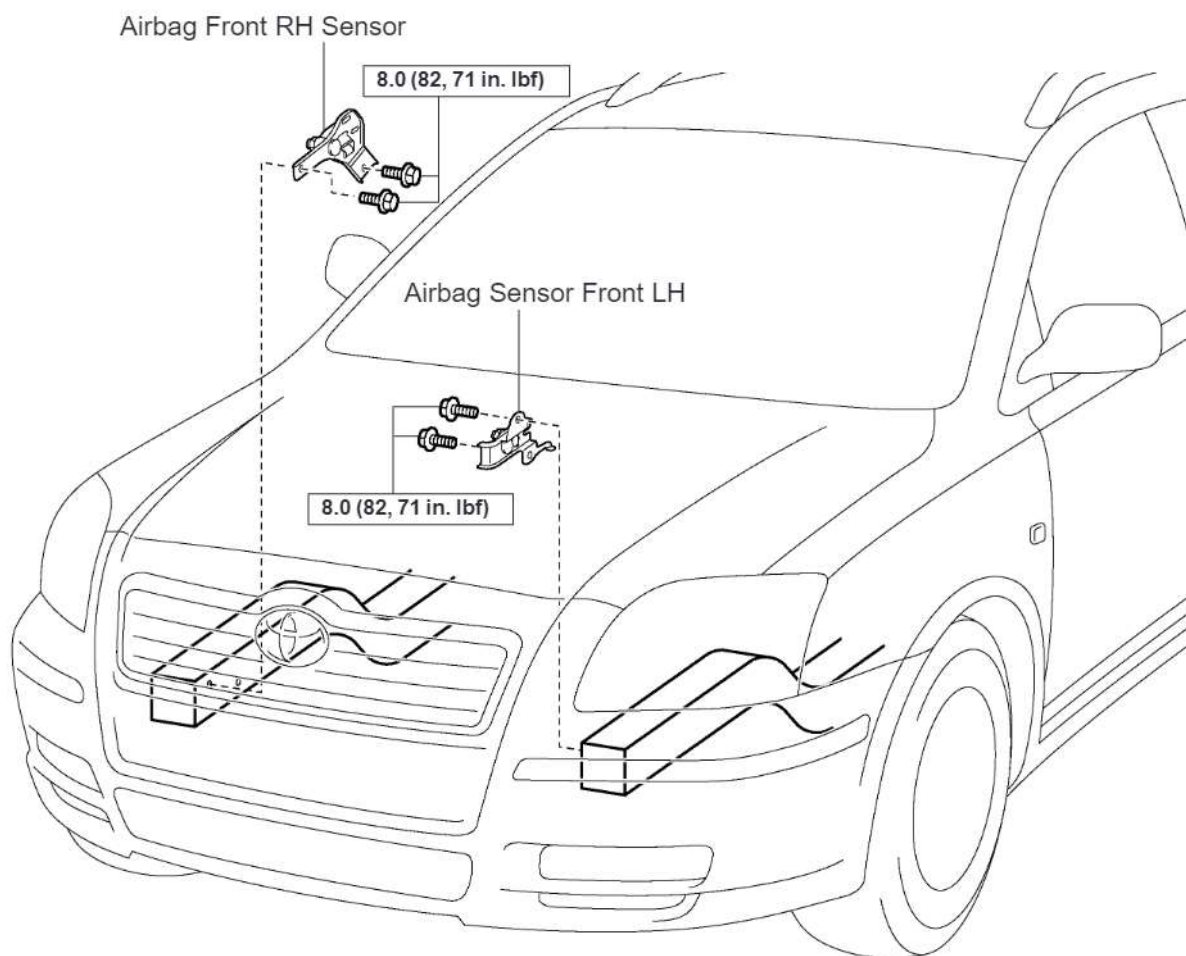
- ▲ If the airbag sensor assy center has been dropped, or there are any cracks, dents or other defects in the case, bracket or connector, replace the airbag sensor assy center with a new one.
 - ▲ When installing the airbag sensor assy center, take care that the SRS wiring does not interfere with other parts and is not pinched between other parts.
- (d) Tighten the 3 bolts to the specified torque.
Torque: 17.5 N m (178 kgf cm, 13 ft lbf)
 - (e) Connect the connectors to the airbag sensor assy center.
 - (f) Check that no play is identified.
 - (g) Check that the water-proof sheet is properly set.

11. INSPECT SRS WARNING LIGHT (See page 05-1184)

AIR BAG SENSOR FRONT LH

COMPONENTS

600A2-06



N m (kgf cm, ft lbf) : Specified torque

C

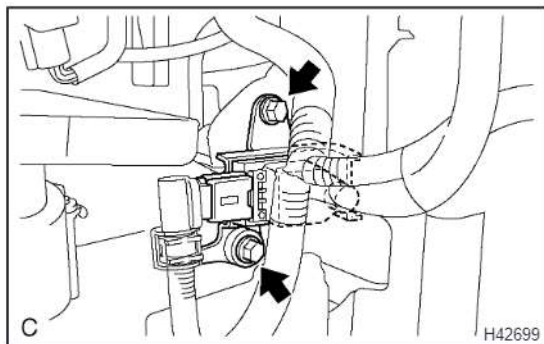
H42698

REPLACEMENT

HINT:

Replacement procedure of the RH side is the same as that for with LH side.

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)



3. **REMOVE AIR BAG SENSOR FRONT LH**
 - (a) Remove the 2 bolts and airbag sensor front LH.
 - (b) Disconnect the connector from the airbag sensor front LH.

4. **INSTALL AIR BAG SENSOR FRONT LH**

- (a) Check that the ignition switch is off.
 - (b) Check that the battery negative (–) terminal is disconnected.

NOTICE:

Do not start the operation for 90 seconds after removing the terminal.

- (c) Install the airbag sensor front LH with the 2 bolts.

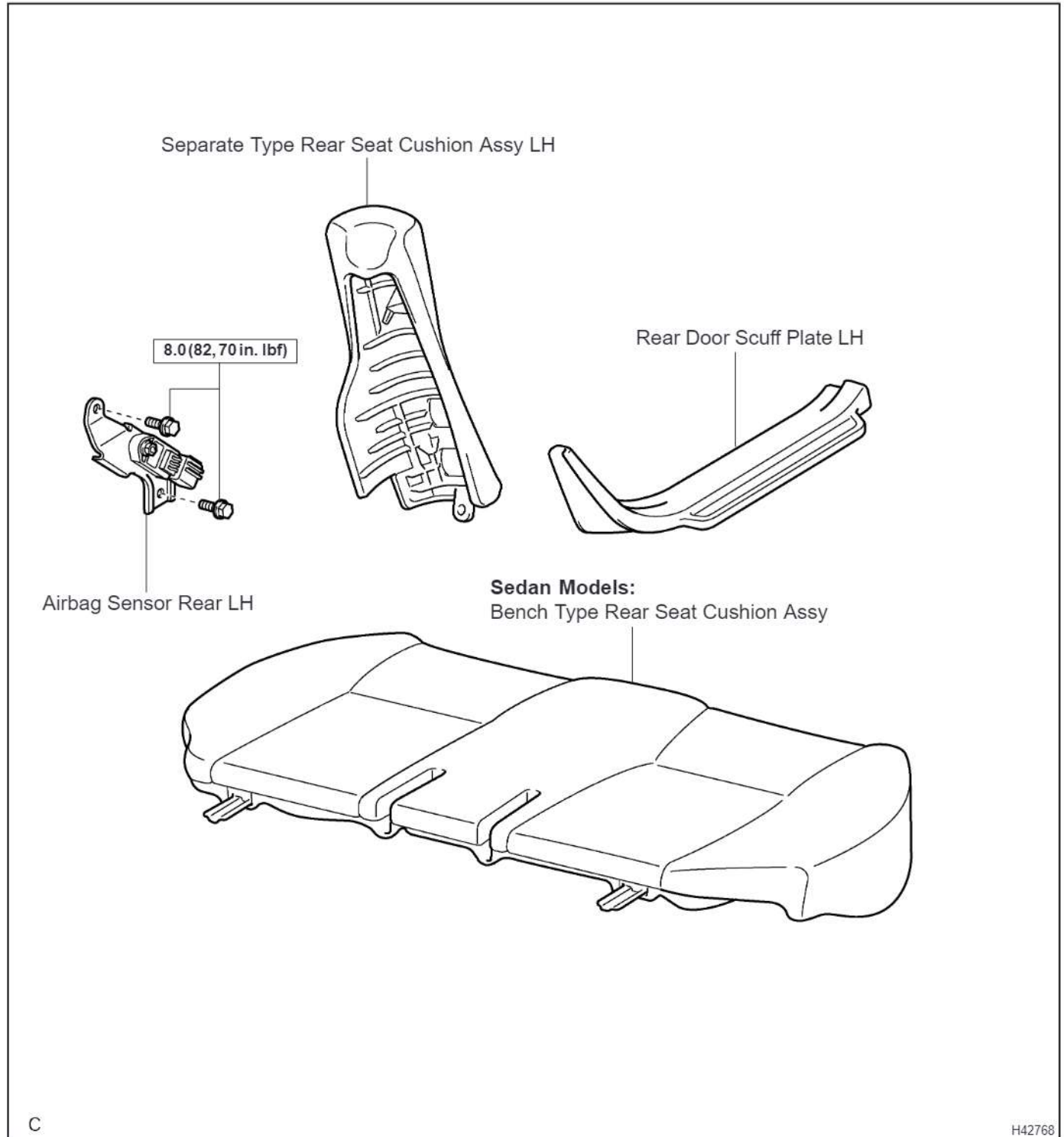
Torque: 8.0 N m (82 kgf cm, 71 in. lbf)

NOTICE:

- ▲ If the airbag sensor front LH has been dropped, or there are any cracks, dents or other defects in the case, bracket or connector, replace the airbag sensor front LH with a new one.
 - ▲ When installing the airbag sensor front LH, take care that the SRS wiring does not interfere with other parts and is not pinched between other parts.
- (d) Connect the connector to the airbag sensor front LH.
 - (e) Check that no play is identified.
 5. **INSPECT SRS WARNING LIGHT** (See page 05-1184)

AIR BAG SENSOR REAR LH COMPONENTS

600K7-01

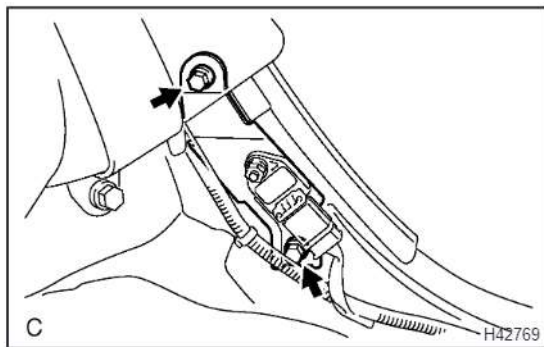


REPLACEMENT

HINT:

Replacement procedure of the RH side is the same as that for the LH side.

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)
3. **REMOVE REAR DOOR SCUFF PLATE LH** (See page 76-36)
4. **REMOVE REAR SEAT CUSHION ASSEMBLY (SEDAN MODELS)** (See page 76-36)
5. **REMOVE REAR SIDE SEAT BACK ASSY LH** (See page 76-36)



6. **REMOVE AIR BAG SENSOR REAR LH**
 - (a) Disconnect the connector of the airbag sensor rear LH.
 - (b) Remove the 2 bolts and the airbag sensor rear LH.

7. **INSTALL AIR BAG SENSOR REAR LH** (See page 60-11)
 - (a) Check that the ignition switch is off.
 - (b) Check that the battery negative (–) terminal is disconnected.

NOTICE:

Do not start the operation for 90 seconds after removing the terminal.

- (c) Install the airbag sensor rear LH with the 2 bolts.

Torque: 8.0 N m (82 kgf cm, 70 ft lbf)

NOTICE:

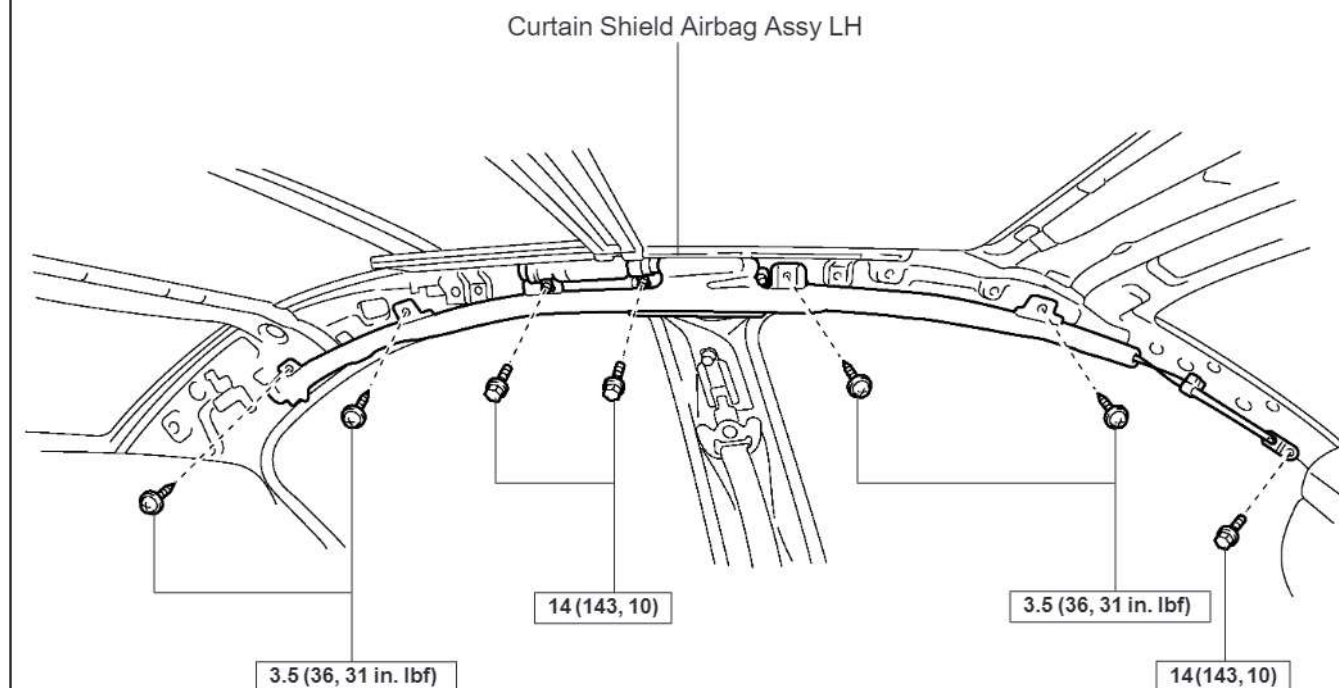
- ▲ If the airbag sensor rear LH has been dropped, or there are any cracks, dents or other defects in the case, bracket or connector, replace the airbag sensor rear LH with a new one.
 - ▲ When installing the airbag sensor rear LH, take care that the SRS wiring does not interfere with other parts and is not pinched between other parts.
- (d) Connect the connector of the airbag sensor rear LH.
 - (e) Check that no play is identified.
8. **INSPECT SRS WARNING LIGHT** (See page 05-1184)

CURTAIN SHIELD AIR BAG ASSY LH

COMPONENTS

600K0-01

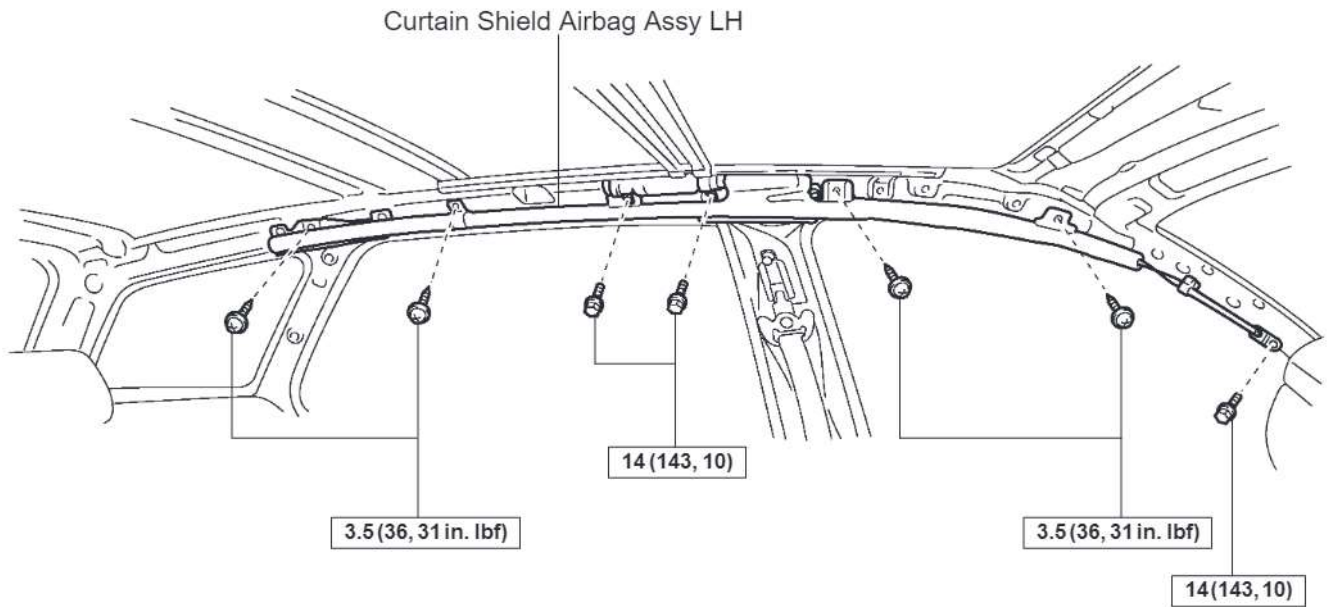
Sedan/Liftback Models:



C [N m (kgf cm, ft lbf)] : Specified torque

H42754

Wagon Models:



C N m (kgf cm, ft lbf) : Specified torque

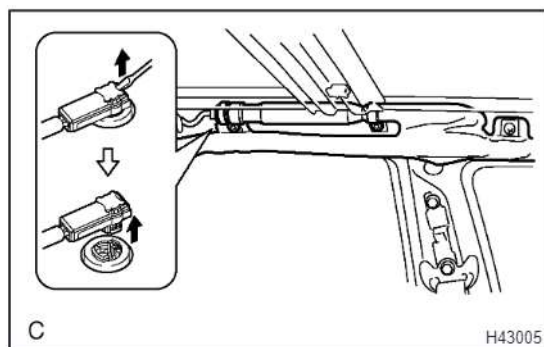
H42756

REPLACEMENT

HINT:

Replacement procedure of the RH side is the same as that for with LH side.

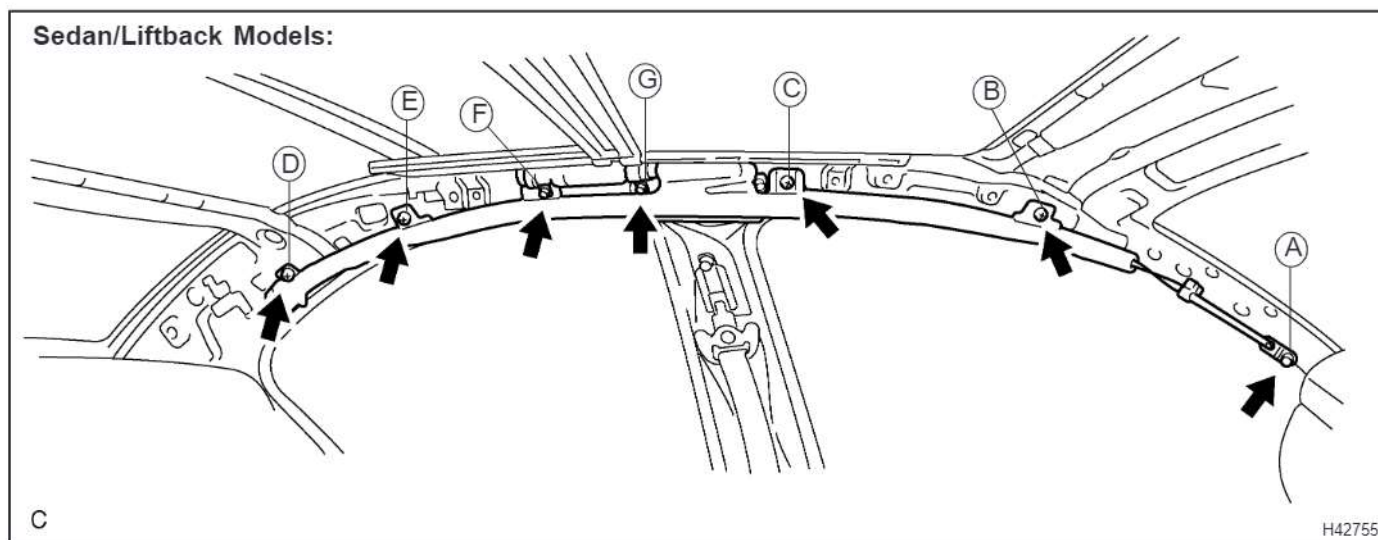
1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)
3. **REMOVE ROOF HEADLINING ASSY (SEDAN MODELS)** (See page 76-36)
4. **REMOVE ROOF HEADLINING ASSY (LIFTBACK MODELS)** (See page 76-45)
5. **REMOVE ROOF HEADLINING ASSY (WAGON MODELS)** (See page 76-54)

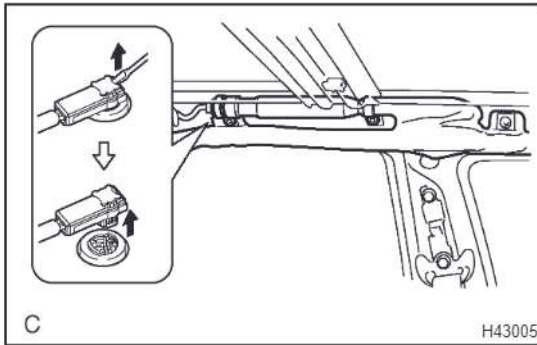


6. REMOVE CURTAIN SHIELD AIR BAG ASSY LH (SEDAN/LIFTBACK MODELS)

- (a) Using a screwdriver, disconnect the connector of the curtain shield airbag assy LH.
- (b) After removing the 4 screws and the 3 bolts in order as follows, remove the curtain shield airbag assy LH.

A ⇔ B ⇔ C ⇔ D ⇔ E ⇔ F ⇔ G

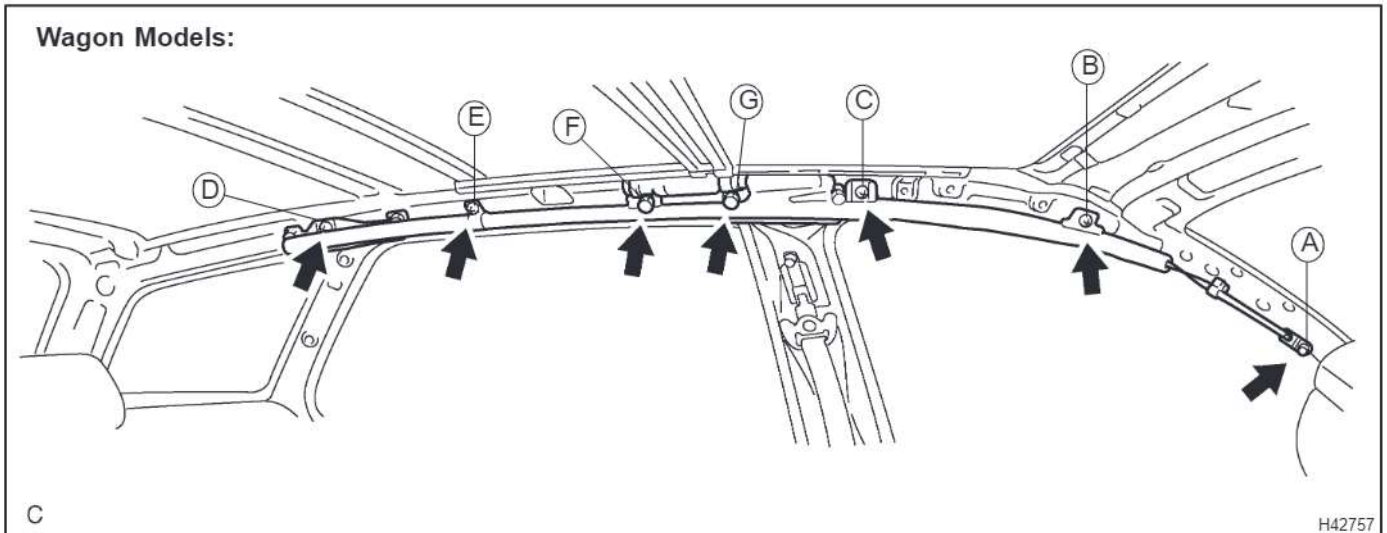




7. REMOVE CURTAIN SHIELD AIR BAG ASSY LH (WAGON MODELS)

- Using a screwdriver, disconnect the connector of the curtain shield air bag assy LH.
- After removing the 4 screws and the 3 bolts in order as follows, remove the curtain shield air bag assy LH.

A ⇔ B ⇔ C ⇔ D ⇔ E ⇔ F ⇔ G



8. INSTALL CURTAIN SHIELD AIR BAG ASSY LH (SEDAN/LIFTBACK MODELS)

- Install the curtain shield air bag assy LH with the 3 bolts and 4 screws in order as follows.

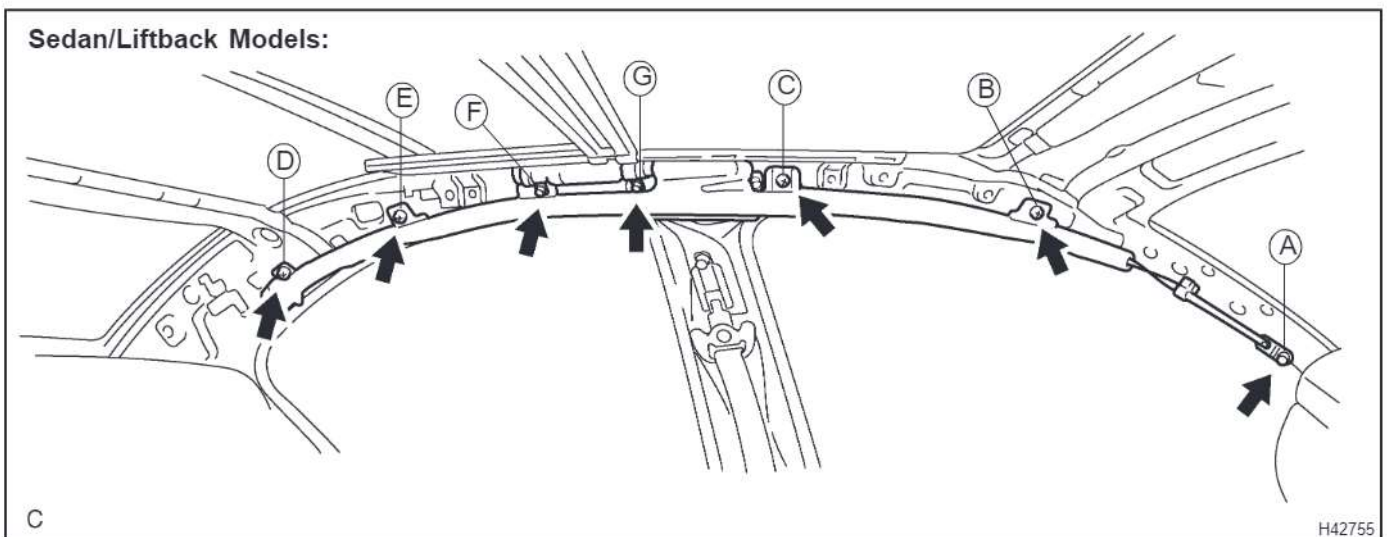
G ⇔ F ⇔ E ⇔ D ⇔ C ⇔ B ⇔ A

Torque:

Bolt A, G, F: 14 N·m (143 kgf·cm, 10 ft·lbf)

Bolt B, C, E, D: 3.5 N·m (36 kgf·cm, 31 in·lbf)

- Connect the curtain shield air bag assy LH connector.



9. INSTALL CURTAIN SHIELD AIR BAG ASSY LH (WAGON MODELS)

- (a) Install the curtain shield airbag assy LH with the 3 bolts and 4 screws in order as follows.

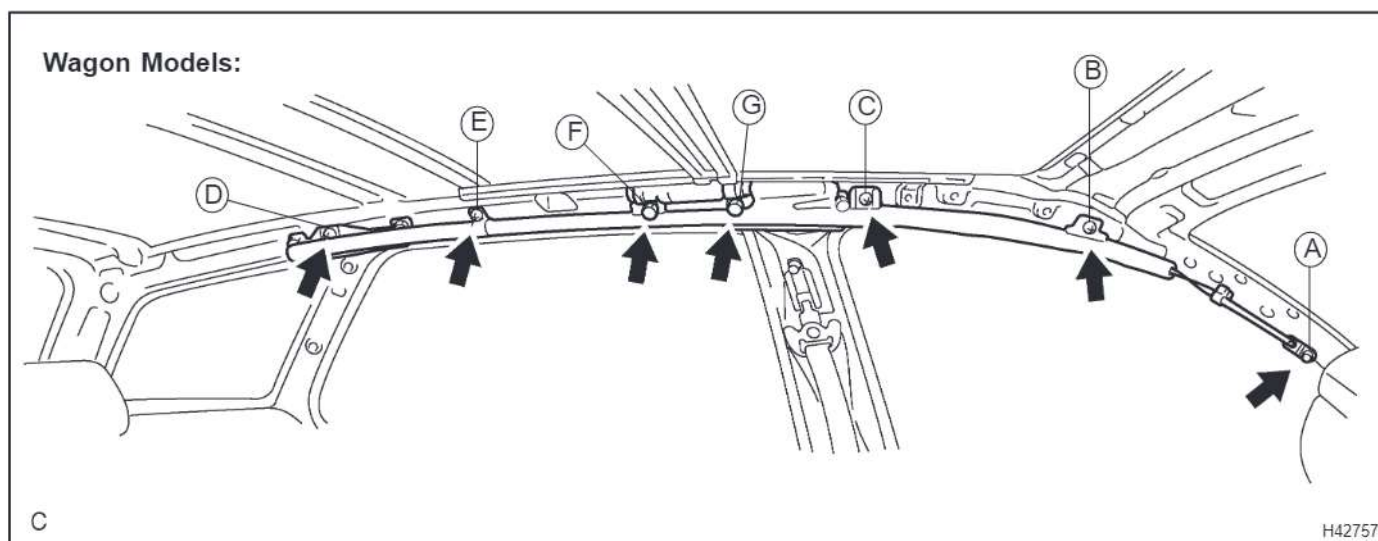
G ⇔ F ⇔ E ⇔ D ⇔ C ⇔ B ⇔ A

Torque:

Bolt A, G, F: 14 N·m (143 kgf·cm, 10 ft·lbf)

Bolt B, C, E, D: 3.5 N·m (36 kgf·cm, 31 in·lbf)

- (b) Connect the curtain shield airbag assy LH connector.



10. INSPECT CURTAIN SHIELD AIR BAG ASSY LH (See page 60-11)
11. INSTALL ROOF HEADLINING ASSY (SEDAN MODELS) (See page 76-36)
12. INSTALL ROOF HEADLINING ASSY (LIFTBACK MODELS) (See page 76-45)
13. INSTALL ROOF HEADLINING ASSY (WAGON MODELS) (See page 76-54)
14. INSPECT SRS WARNING LIGHT (See page 05-1184)

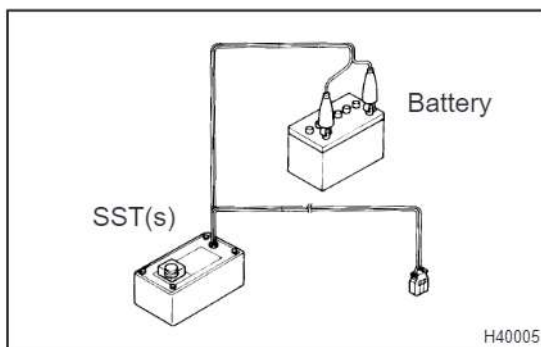
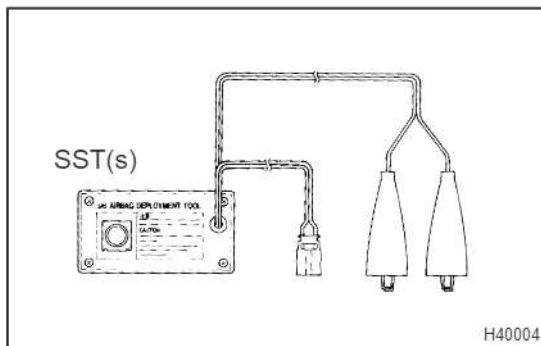
DISPOSAL

HINT:

- ▲ Disposal procedure of the RH side is the same as that for the LH side.
- ▲ When scrapping a vehicle equipped with SRS or disposing of the curtain shield airbag assy LH, be sure to deploy the airbag first in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.

CAUTION:

- ▲ Never dispose of the curtain shield airbag assy LH that has an undeployed airbag.
- ▲ The airbag produces an exploding sound when it is deployed, so perform the operation outdoors and where it will not create a nuisance to nearby residents.

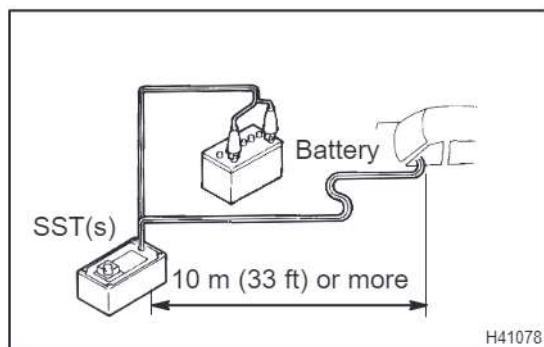
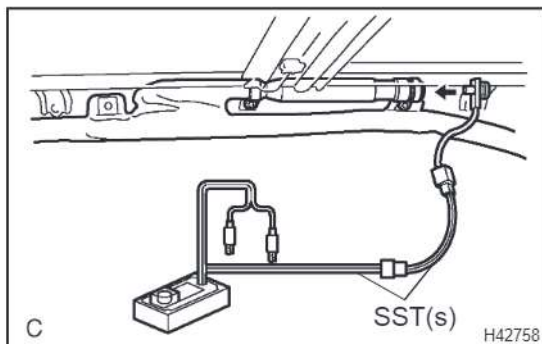


- ▲ When deploying the airbag, always use the specified SST(s) (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
 - ▲ When deploying the airbag, perform the operation at least 10 m (33 ft) away from the curtain shield airbag assy LH.
 - ▲ The curtain shield airbag assy LH is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
 - ▲ Use gloves and safety glasses when handling the curtain shield airbag assy LH with the deployed airbag.
 - ▲ Do not apply water, etc. to the curtain shield airbag assy LH with the deployed airbag.
 - ▲ Always wash your hands with water after completing the operation.
1. **DISPOSE OF CURTAIN SHIELD AIR BAG ASSY LH (WHEN SCRAPPING VEHICLE DEPLOYMENT METHOD)**

HINT:

Prepare a battery as the power source to deploy the airbag.

- (a) Check the function of the SST(s) (See step 1-(a) on page 60-17).
- (b) Disconnect the airbag connector.
 - (1) Sedan Models:
Remove the roof headlining assy (See page 76-36).
 - (2) Liftback Models:
Remove the roof headlining assy (See page 76-45).
 - (3) Wagon Models:
Remove the roof headlining assy (See page 76-54).
 - (4) Using a screwdriver, disconnect the curtain shield airbag LH connector.



- (c) Install the SST(s).
- (1) Connect the connectors of the SST(s) to the curtain shield airbag assy LH connector.
- SST 09082-00700, 09082-00802 (09082-10801, 09082-20801)

NOTICE:

To avoid damaging the SST(s) connector and wire harness, do not lock the secondary lock of the twin lock.

- (2) Move the SST(s) to at least 10 m (33 ft) away from the rear of the vehicle.
- (3) Close all the doors and windows in the vehicle.

NOTICE:

Take care not to damage the SST(s) wire harness.

- (4) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black of the SST(s) clip to the negative (-) terminal.
- (d) Deploy the airbag.
- (1) Check that no one is inside the vehicle or within a 10 m (33 ft) radius of the vehicle.
 - (2) Press the activation switch of the SST(s) and deploy the airbag.

HINT:

The airbag is deployed as the LED of the SST(s) activation switch comes on.

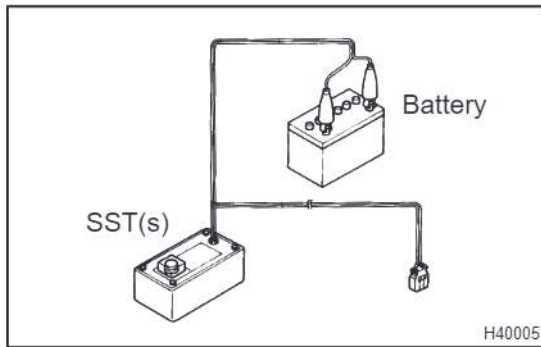
- (e) Dispose of the curtain shield airbag assy LH.

CAUTION:

- ▲ The curtain shield airbag assy LH is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the curtain shield airbag assy LH with the deployed airbag.
- ▲ When moving the vehicle for scrapping which has the curtain shield airbag assy LH with the deployed airbag, use gloves and safety glasses.
- ▲ Do not apply water, etc. to the curtain shield airbag assy LH with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.

HINT:

When scrapping a vehicle, deploy the airbag and scrap the vehicle with the curtain shield airbag assy LH being installed.



2. DISPOSE OF CURTAIN SHIELD AIR BAG ASSY LH (WHEN DISPOSING OF AIRBAG ASSEMBLY DEPLOYMENT METHOD)

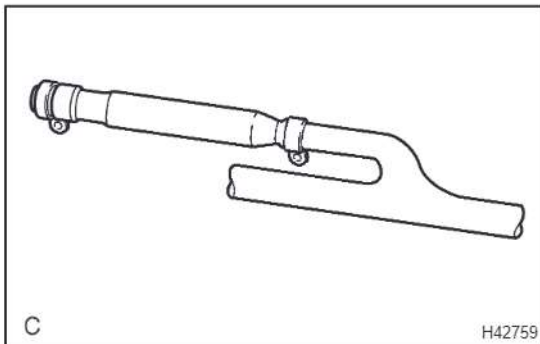
NOTICE:

- ▲ When disposing of the curtain shield airbag assy LH, never use the customer's vehicle to deploy the airbag.
- ▲ Be sure to follow the procedure detailed below when deploying the airbag.

HINT:

Prepare a battery as the power source to deploy the airbag.

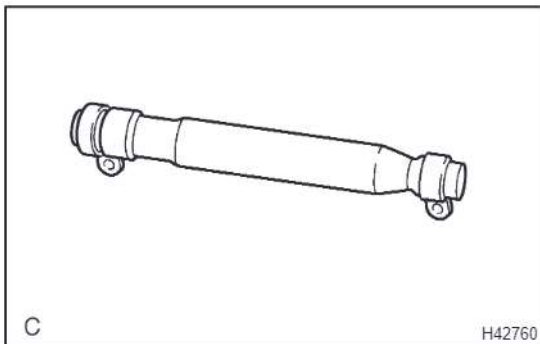
- (a) Check the performance of the SST(s) ([See step 1-\(a\) on page 60-19](#)).



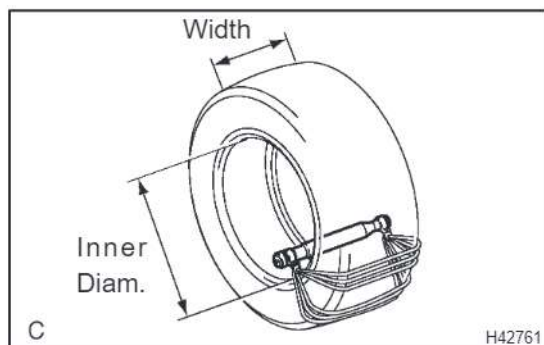
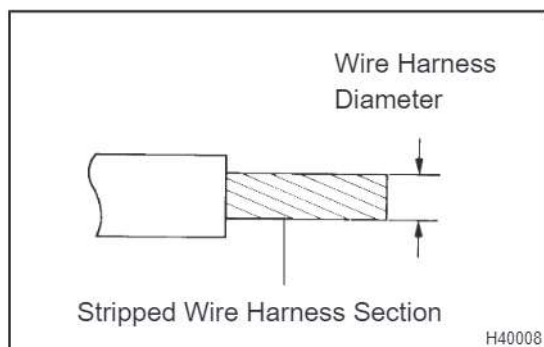
- (b) Remove the curtain shield airbag assy LH ([See page 60-38](#)).

CAUTION:

When removing the curtain shield airbag assy LH, work must be started 90 seconds after the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.



- (c) Cut off the deployment section of the curtain shield airbag assy LH.



- (d) Using a service-purpose wire harness for the vehicle, tie down the curtain shield airbag assy LH to the tire.

Wire harness: Stripped wire harness section
1.25 mm² or more (0.0019 in.² or more)

CAUTION:

If a wire harness which is too thin or an alternative object is used to tie down the curtain shield airbag assy LH, it may be snapped by the shock when the airbag is deployed. Always use a wire harness for vehicle use which has a diameter of at least 1.25 mm² (0.0019 in.²).

HINT:

- ▲ To calculate the square of the stripped wire harness section:

Square = 3.14 x (Diameter)² divided by 4

- ▲ Position the curtain shield airbag assy LH inside the tire as shown in the illustration.

Tire size: Must exceed the following dimensions

Width: 185 mm (7.28 in.)

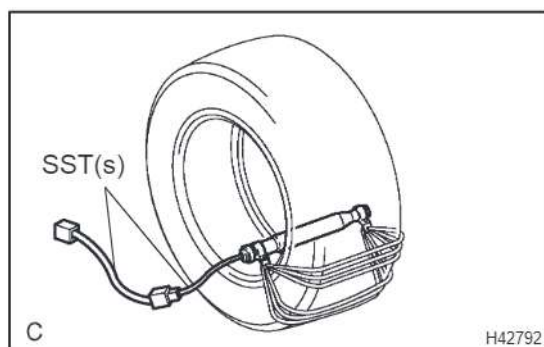
Inner diameter: 360 mm (14.17 in.)

CAUTION:

- ▲ Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the curtain shield airbag assy LH coming free due to the shock from the airbag deployment.

NOTICE:

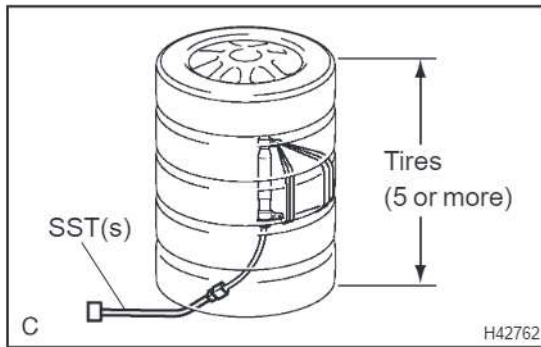
The tire will be marked by the airbag deployment, so use a redundant tire.



- (e) Install the SST(s).

Connect the connectors of the SST(s) to the curtain shield airbag assy LH.

SST 09082-00802 (09082-10801, 09082-20801)



(f) Place the tires.

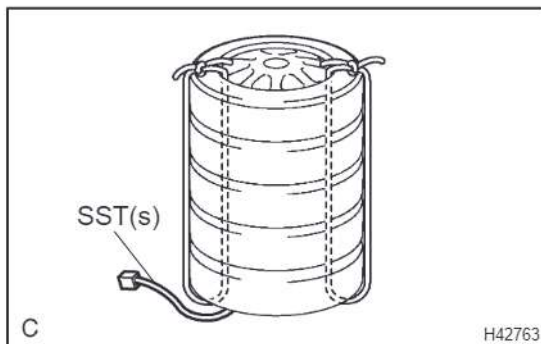
CAUTION:

Do not place the deployment direction of the curtain shield airbag assy LH facing toward the ground.

- (1) Place at least 2 tires under the tire to which the curtain shield airbag assy LH is tied.
- (2) Place at least 2 tires over the tire to which the curtain shield airbag assy is tied. The top tire should have the wheel installed.

NOTICE:

Do not place the SST(s) connector under the tire because the SST connector could be damaged.



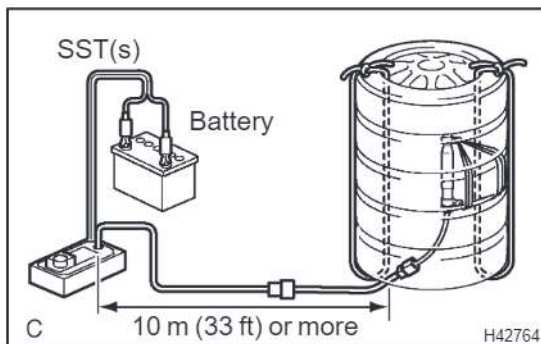
- (3) Tie the tires together with 2 wire harnesses.

CAUTION:

Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the tires coming free due to the shock from the airbag deployment.

HINT:

Place the SST(s) connector and the wire harness inside tires. Secure at least 1 m (3 ft) of slack for the wire harness.



- (g) Install the SST(s).

Connect one SST(s) connector to the SST(s) connector connected to the curtain shield airbag.

SST 09082-00700

NOTICE:

To avoid damaging the SST(s) connector and wire harness, do not lock the secondary lock of the twin lock. Also, secure some slack for the SST(s) wire harness inside the tire.

- (h) Deploy the airbag.

- (1) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST(s) to the battery negative (–) terminal.
- (2) Check that no one is within a 10 m (33 ft) radius of the tire to which the curtain shield airbag assy LH is tied.
- (3) Press the activation switch of the SST(s) and deploy the airbag.

HINT:

The airbag deploys as the LED of the SST(s) activation switch comes on.



(i) Dispose of the curtain shield airbag assy LH.

CAUTION:

- ▲ The curtain shield airbag assy LH is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the curtain shield airbag assy LH with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.
- ▲ Do not apply water, etc. to the curtain shield airbag assy LH with the deployed airbag.
 - (1) Remove the curtain shield airbag assy LH from the tire.
 - (2) Place the curtain shield airbag assy LH in a plastic bag, tie the end tightly and dispose of it in the same way as for other general parts disposal.

FRONT SEAT AIRBAG ASSY LH

DISPOSAL

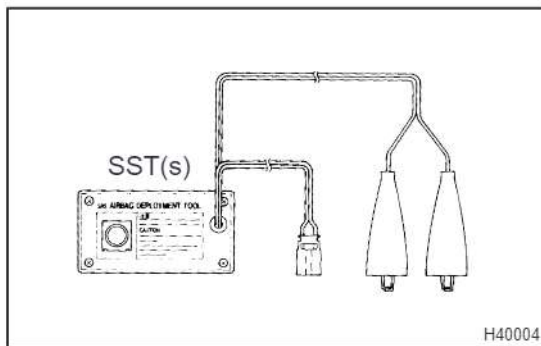
600K2-01

HINT:

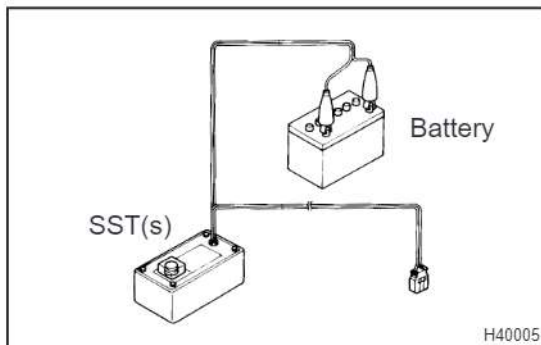
- ▲ Disposal procedure of the RH side is the same as that for the LH side.
- ▲ When scrapping a vehicle equipped with SRS or disposing of the front seat airbag assy LH, be sure to deploy the airbag first in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.

CAUTION:

- ▲ Never dispose of the front seat airbag assy LH that has undeployed airbag.
- ▲ The airbag produces an exploding sound when it is deployed, so perform the operation outdoors and where it will not create a nuisance to nearby residents.



- ▲ When deploying the airbag, always use the specified SST(s) (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
- ▲ When deploying the airbag, perform the operation at least 10 m (33 ft) away from the airbag assy.
- ▲ The front seat airbag assy LH is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the front seat airbag assy LH with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.
- ▲ Do not apply water, etc. to the front seat airbag assy LH with the deployed airbag.

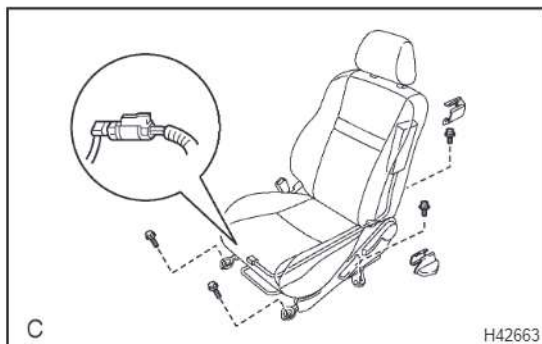


1. DISPOSE OF FRONT SEAT AIRBAG ASSY LH (WHEN SCRAPPING VEHICLE DEPLOYMENT METHOD)

HINT:

Prepare a battery as the power source to deploy the airbag.

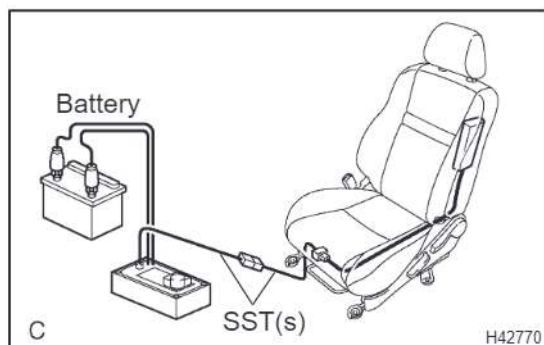
- (a) Check the function of the SST(s) ([See step 1- \(a\) on page 60-19](#)).



- (b) Remove the front seat assy LH (See page 72-16).
 (c) Disconnect the front seat airbag connector.

NOTICE:

When handling the airbag connector, take care not to damage the airbag wire harness.

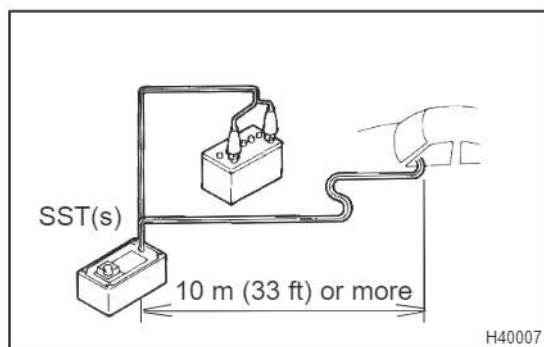


- (d) Install the SST(s).
 (1) Connect the connectors of the SST(s) to the front seat airbag connector.

SST 09082-00700, 09082-00750

NOTICE:

To avoid damaging the SST(s) connector and wire harness, do not lock the secondary lock of the twin lock.



- (2) Move the SST(s) at least 10 m (33 ft) away from the front of the vehicle.
 (3) Close all the doors and windows of the vehicle.

NOTICE:

Take care not to damage the SST(s) wire harness.

- (4) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST(s) to the battery negative (-) terminal.
 (e) Deploy the airbag.
 (1) Check that no one is inside the vehicle or within a 10 m (33 ft) radius of the vehicle.
 (2) Press the activation switch in the SST(s) and deploy the airbag.

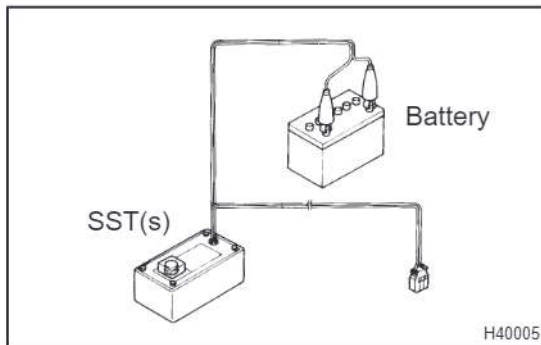
HINT:

The airbag is deployed as the LED of the SST(s) activation switch comes on.

- (f) Dispose the front seat airbag assy LH.

CAUTION:

- ▲ The front seat airbag assy LH is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the front seat airbag assy LH with the deployed airbag.
- ▲ When moving the vehicle for scrapping which has the front seat airbag assy LH with the deployed airbag, use gloves and safety glasses.
- ▲ Do not apply water, etc. to the front seat airbag assy LH with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.

**HINT:**

When scrapping a vehicle, deploy the airbag and scrap the vehicle with the front seat airbag assy LH being installed.

2. DISPOSE OF FRONT SEAT AIRBAG ASSY LH (WHEN DISPOSING OF AIRBAG ASSEMBLY DEPLOYMENT METHOD)

NOTICE:

- ▲ When disposing of the front seat airbag assy LH only, never use the customer's vehicle to deploy the airbag.
- ▲ Be sure to follow the procedure detailed below when deploying the airbag.

HINT:

Prepare a battery as the power source to deploy the airbag.

- (a) Check the function of the SST(s) (See step 1– (a) on page 60-19).
- (b) Remove the front seat airbag assy LH.
 - (1) Remove the front seat assy LH (See page 72-16).
 - (2) Remove the 2 nuts and the front seat airbag assy LH from the seatback assembly.

CAUTION:

- ▲ When removing the front seat airbag assy LH, work must be started 90 seconds after the ignition switch is turned to the "LOCK" position and the negative (–) terminal cable is disconnected from the battery.
 - ▲ When storing the front seat airbag assy LH, keep the upper surface of the airbag deployment side facing upward.
- (c) Using a service-purpose wire harness for the vehicle, tie down the front seat airbag assy LH to the tire.

Wire harness: Stripped wire harness section
1.25 mm² or more (0.0019 in² or more)

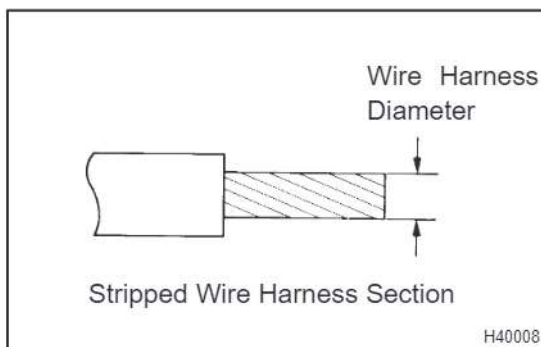
HINT:

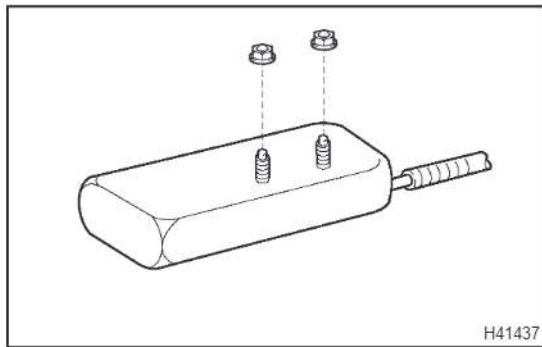
To calculate the square of the stripped wire harness section:

Square = 3.14 x (Diameter)² divided by 4

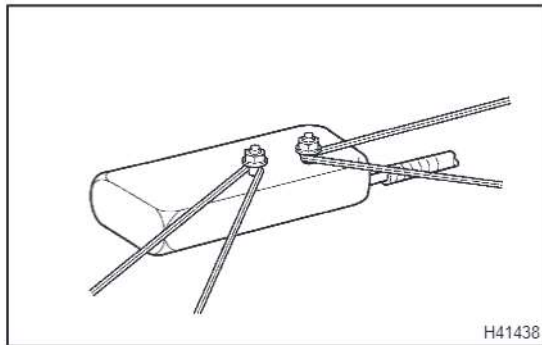
CAUTION:

If a wire harness which is too thin or an alternative object is used to tie down the front seat airbag assy LH, it may be snapped by the shock when the airbag is deployed. This is highly dangerous. Always use a wire harness for vehicle use which has a diameter at least 1.25 mm² (0.0019 in²).

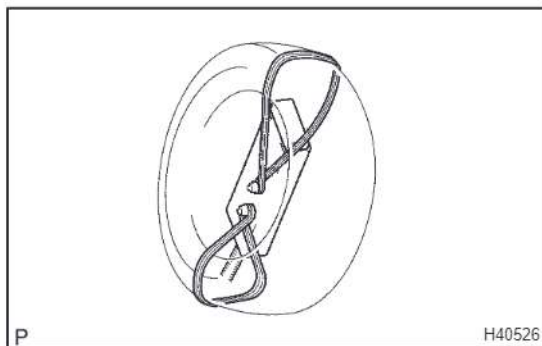




- (1) Install the 2 nuts in the front seat airbag assy LH.



- (2) Wind the wire harness around the stud bolts of the front seat airbag assy LH as shown in the illustration.



- (3) Position the front seat airbag assy LH inside the tire with the airbag deployment direction facing inside.

Tire size: Must exceed the following dimensions

Width: 185 mm (7.28 in.)

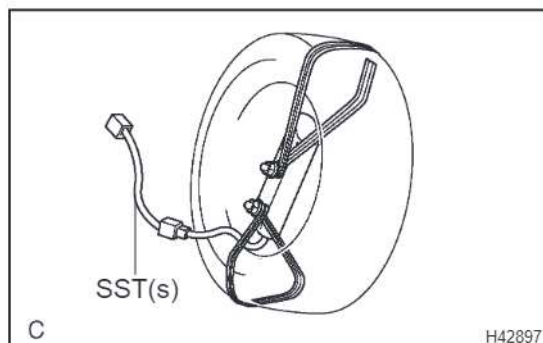
Inner diameter: 360 mm (14.17 in.)

CAUTION:

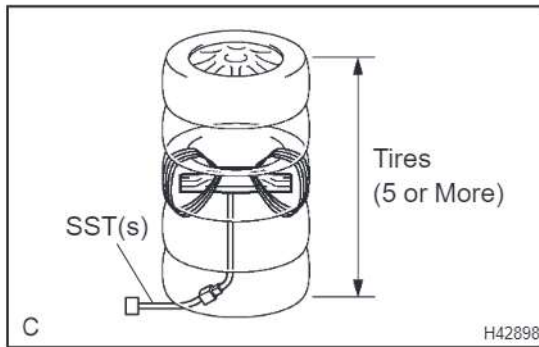
- ▲ Make sure the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the front seat airbag assy LH coming free due to the shock from the airbag deployment.
- ▲ Always tie down the front seat airbag assy LH with the airbag deployment direction facing inside the tire.

NOTICE:

The tire will be marked by the airbag deployment, so use a redundant tire.



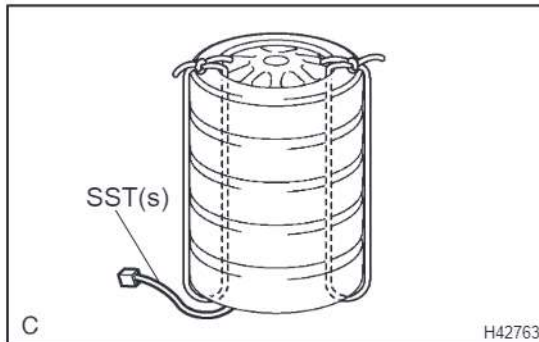
- (d) Install the SST(s).
Connect the connector of SST(s) to the front seat airbag assy LH connect.
SST 09082-00750



- (e) Place the tires.
- (1) Place at least 2 tires under the tire to which the front seat airbag assy LH is tied.
 - (2) Place at least 2 tires over the tire to which the front seat airbag assy LH is tied. The top tire should have the disc wheel installed.

NOTICE:

Do not place the SST(s) connector under the tire because the SST(s) connector could be damaged.



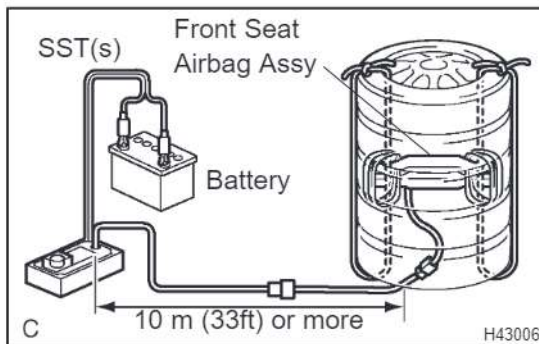
- (3) Tie the tires together with 2 wire harnesses.

CAUTION:

Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the tires coming free due to the shock from the airbag deployment.

HINT:

Place the SST(s) connector and the wire harness inside tires. Secure at least 1 m (3 ft) of slack for the wire harness.



- (f) Install the SST(s).
Connect the connector of the SST(s).
SST 09082-00700

NOTICE:

To avoid damaging the SST(s) connector and wire harness, do not lock the secondary lock of the twin lock. Also, secure some slack for the SST(s) wire harness inside the tire.

- (g) Deploy the airbag.
- (1) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST(s) to the battery negative (-) terminal.
 - (2) Check that no one is within a 10 m (33 ft) radius of the tire to which the front seat airbag assy LH is tied.
 - (3) Press the activation switch of the SST(s) and deploy the airbag.

HINT:

The airbag is deployed as the LED of the SST(s) activation switch comes on.



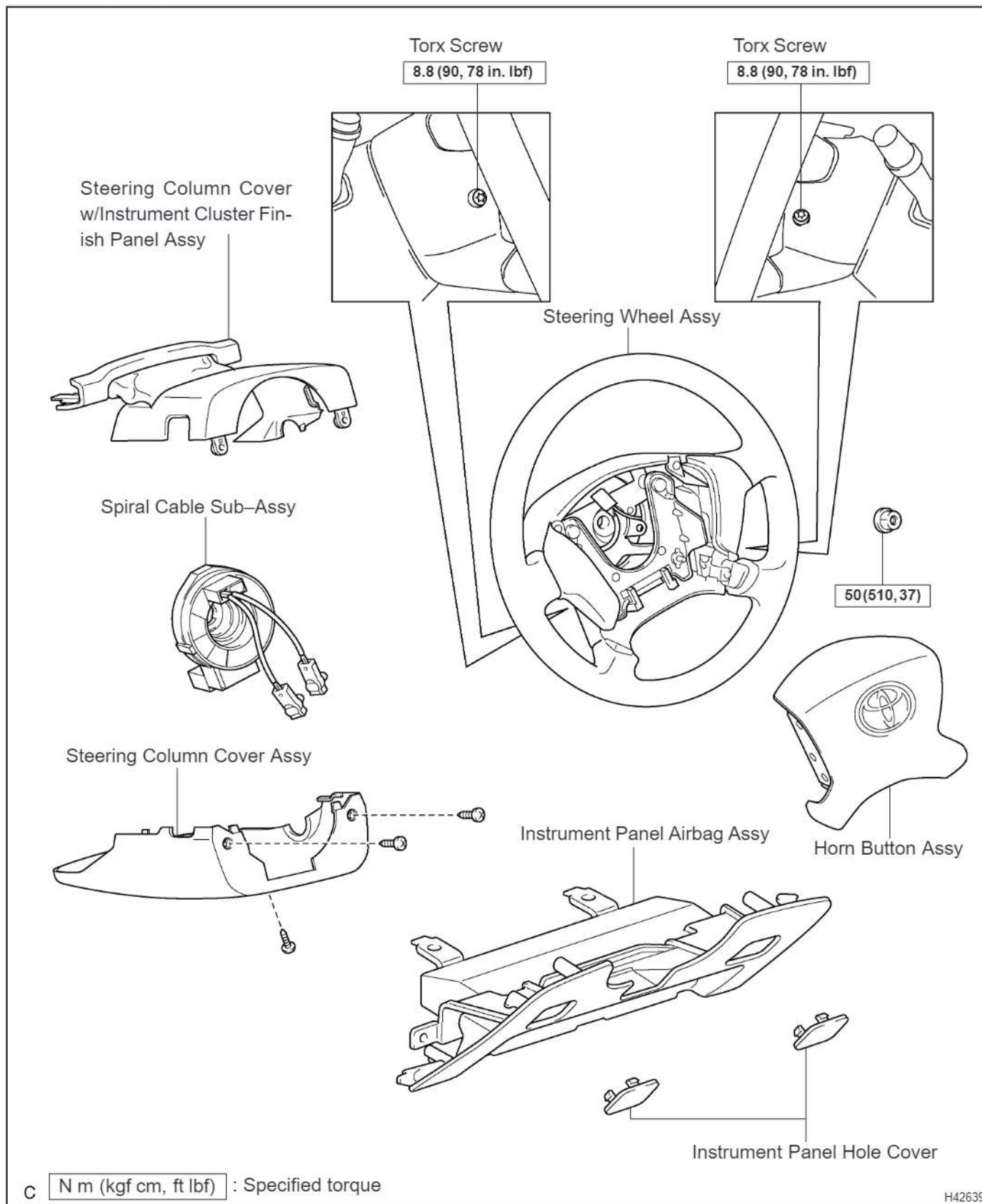
(h) Dispose of the front seat airbag assy LH.

CAUTION:

- ▲ The front seat airbag assy LH is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the front seat airbag assy LH with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.
- ▲ Do not apply water etc. to the front seat airbag assy LH with the deployed airbag.
 - (1) Remove the front seat airbag assy LH from the tire.
 - (2) Place the front seat airbag assy LH in a plastic bag, tie the end tightly and dispose of it in the same way as other general parts disposal.

STEERING WHEEL ASSY COMPONENTS

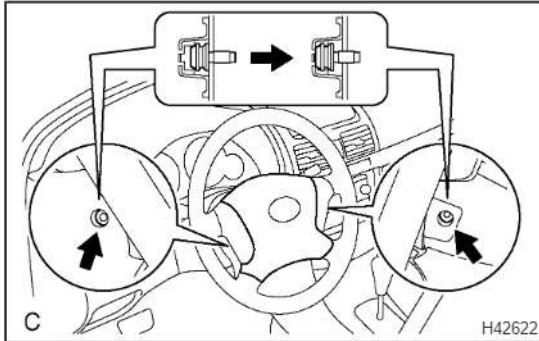
60090-06



H42639

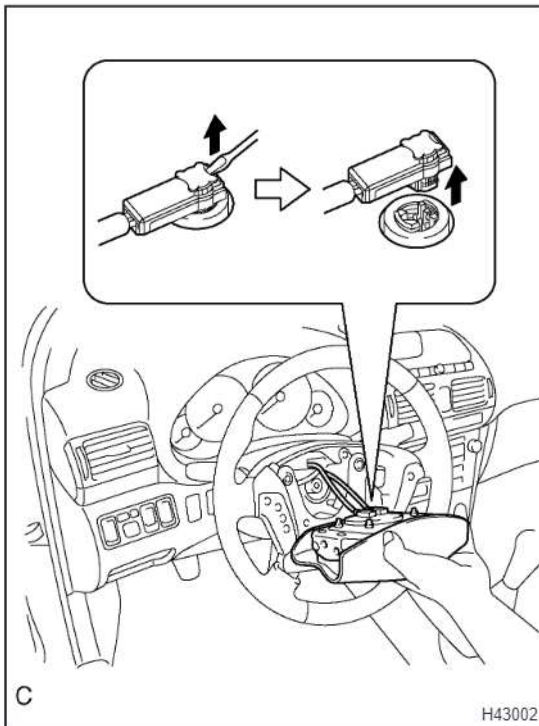
REPLACEMENT

1. **PRECAUTION** (See page 60–1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60–1)



3. REMOVE HORN BUTTON ASSY

- (a) Place the front wheels facing straight ahead.
- (b) Using a torx socket wrench (T30), loosen the 2 torx screws until the groove along the screw circumference catches on the screw case.

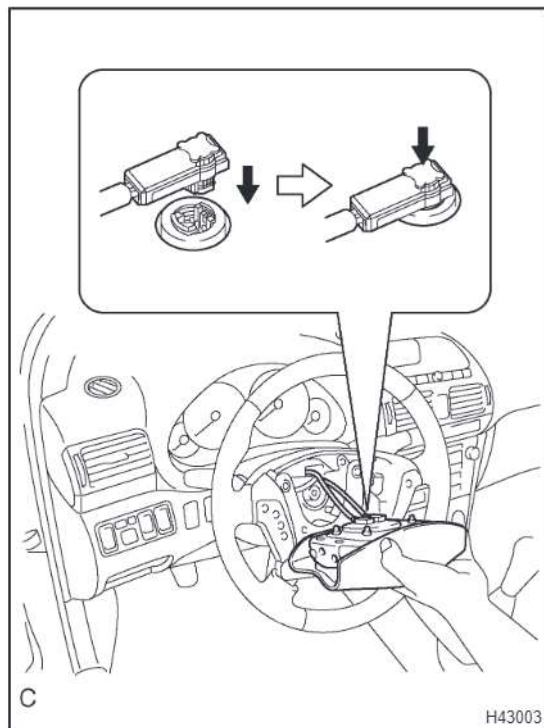


- (c) Pull out the horn button assy from the steering wheel assy and support the horn button assy with one hand as shown in the illustration.

NOTICE:

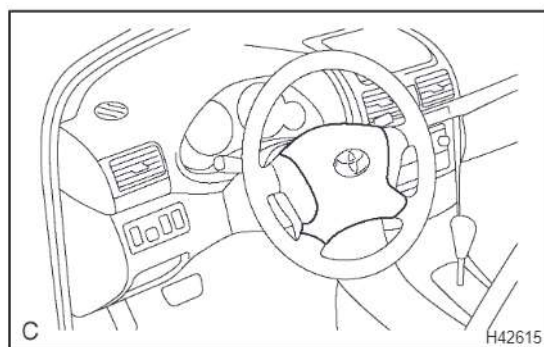
When removing the horn button assy, do not pull the airbag wire harness.

- (d) Using a screwdriver, disconnect the airbag connectors.
- (e) Disconnect the horn connector.
- (f) Remove the horn button assy.



4. INSTALL HORN BUTTON ASSY

- (a) Support the horn button assy with the hand as shown in the illustration.
- (b) Connect the airbag connectors.
- (c) Connect the horn connector.
- (d) Confirm that the circumference groove of the torx screw fits in the screw case, and place the horn button assy onto the steering wheel assy.
- (e) Using a torx socket wrench (T 30), install the 2 screws.
Torque: 8.8 N m (90 kgf cm, 78 in. lbf)



5. INSPECT HORN BUTTON ASSY (See page 60-11)

- (a) Do a visual check which includes the following items with the horn button assy installed in the vehicle:
Cuts, minute cracks or marked discoloration on the horn button assy top surface and in the grooved portion.

6. INSPECT SRS WARNING LIGHT (See page 05-1184)

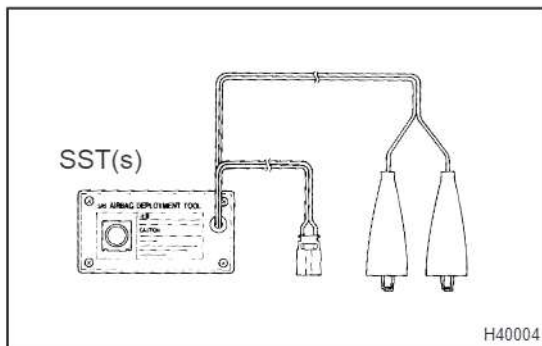
DISPOSAL

HINT:

When scrapping a vehicle equipped with the SRS or disposing of a horn button assy, be sure to deploy the airbag first in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.

CAUTION:

- ▲ Never dispose of the horn button assy that has an undeployed airbag.
- ▲ The airbag produces an extremely exploding sound when it is deployed, so perform the operation outdoors and where it will not create a nuisance to nearby residents.

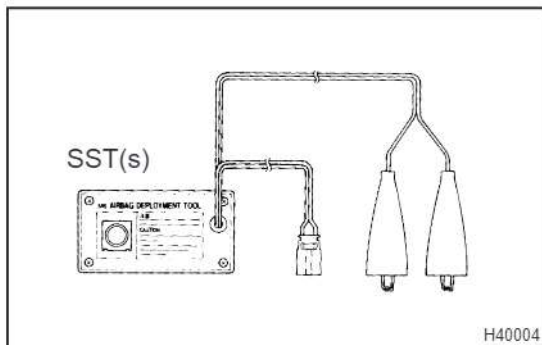


- ▲ When deploying the airbag, always use the specified SST(s) (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
- ▲ When deploying the airbag, perform the operation at least 10 m (33 ft) away from the horn button assy.
- ▲ The horn button assy is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the horn button assy with the deployed airbag.
- ▲ Do not apply water, etc. to the horn button assy with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.

1. DISPOSE OF HORN BUTTON ASSY (WHEN SCRAPPING VEHICLE DEPLOYMENT METHOD)

HINT:

Prepare a battery as the power source to deploy the airbag.

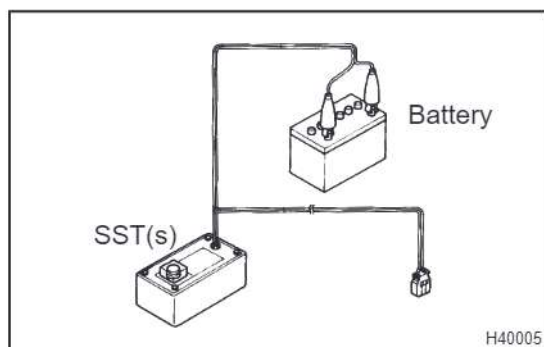


(a) Check the function of the SST(s).

CAUTION:

When deploying the airbag, always use the specified SST(s): SRS Airbag Deployment Tool.

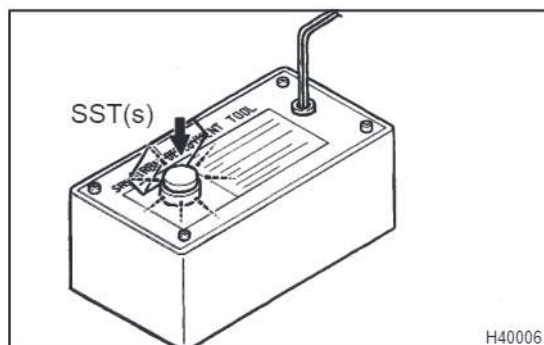
SST 09082-00700



- (1) Connect the SST(s) to the battery.
Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST(s) to the battery negative (-) terminal.

HINT:

Do not connect the yellow connector of the SST(s) which is to be connected with the supplemental restraint system.

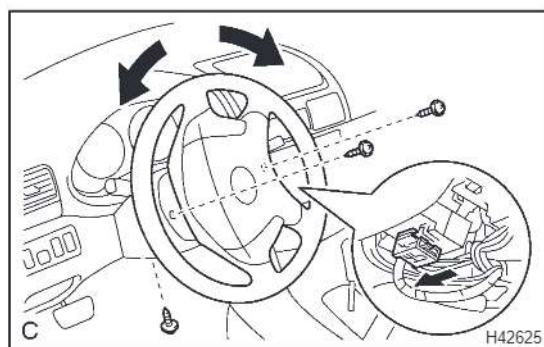


- (2) Check the function of the SST(s).
Press the SST(s) activation switch, and check that the LED of the SST(s) activation switch comes on.

CAUTION:

If the LED comes on when the activation switch is not being pressed, SST(s) malfunction is possible, so be sure not to use the SST(s).

- (3) Disconnect the SST(s) from the battery.

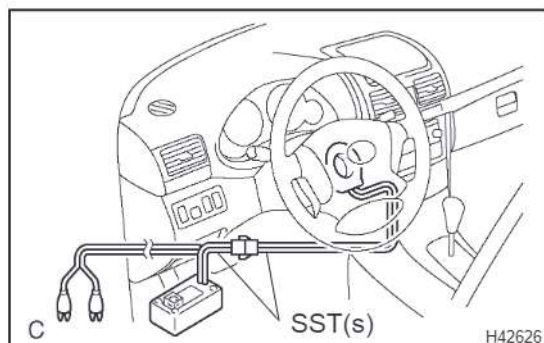


- (b) Install the SST(s).

CAUTION:

Check that there is no looseness in the steering wheel assy and horn button assy.

- (1) Remove the instrument panel hole (See page 60-54).
- (2) Remove the instrument panel airbag assy (See page 60-54).
- (3) While turning the steering wheel right and left, remove the 3 screws and steering column cover.
- (4) Disconnect the airbag connector of the spiral cable sub-assy.

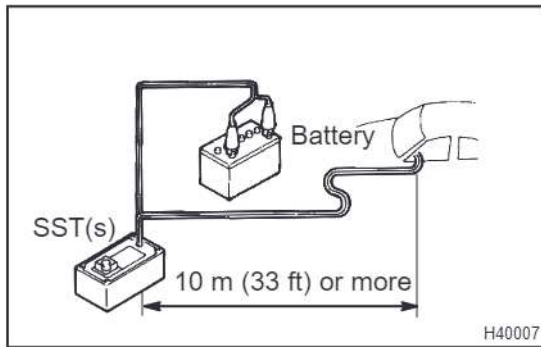


- (5) Connect the connector of the SST(s) to the airbag connector of the spiral cable sub-assy.

SST 09082-00700, 09082-00780

NOTICE:

To avoid damaging the SST(s) connector and wire harness, do not lock the secondary lock of the twin lock.



- (6) Move the SST(s) at least 10 m (33 ft) away from the front of the vehicle.
- (7) Close all the doors and windows in the vehicle.

NOTICE:

Take care not to damage the SST(s) wire harness.

- (8) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST(s) to the negative (–) terminal.
- (c) Deploy the airbag.
 - (1) Check that no one is inside the vehicle or within a 10 m (33 ft) radius of the vehicle.
 - (2) Press the activation switch of the SST(s) and deploy the airbag.

HINT:

The airbag is deployed as the LED of the SST(s) activation switch comes on.

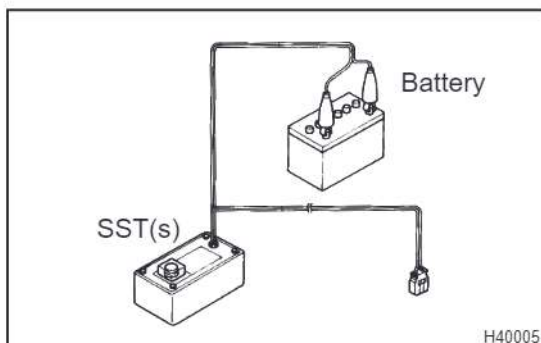
- (d) Dispose of the horn button assy.

CAUTION:

- ▲ The horn button assy is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ When moving the vehicle which has the horn button assy with the deployed airbag for scrapping, use gloves and safety glasses.
- ▲ Use gloves and safety glasses when handling the horn button assy with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.
- ▲ Do not apply water, etc. to the horn button assy with the deployed airbag.

HINT:

When scrapping a vehicle, deploy the airbag and scrap the vehicle with the horn button assy still installed.



2. DISPOSE OF HORN BUTTON ASSY (WHEN DISPOSING OF AIRBAG ASSEMBLY DEPLOYMENT METHOD)

NOTICE:

- ▲ When disposing of the horn button assy only, never use the customer's vehicle to deploy the airbag.
- ▲ Be sure to follow the procedure detailed below when deploying the airbag.

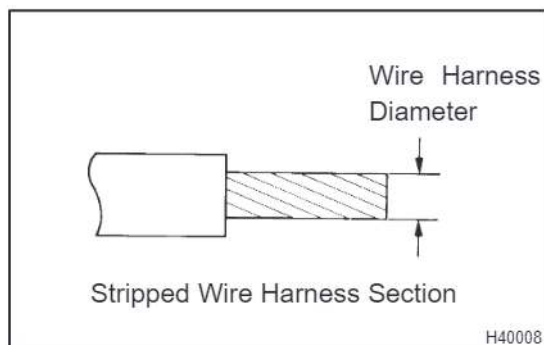
HINT:

Have a battery as the power source to deploy the airbag.

- (a) Check the function of the SST(s) (See step 1–(a)).
- (b) Remove the horn button assy (See page 60-17).

CAUTION:

- ▲ When removing the horn button assy, work must be started 90 seconds after the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.
- ▲ When storing the horn button assy, keep the upper surface of the airbag deployment side facing upward.



- (c) Using a service-purpose wire harness for the vehicle, tie down the horn button assy to the disc wheel.

Wire harness: Stripped wire harness section
1.25 mm² or more (0.0019 in². or more)

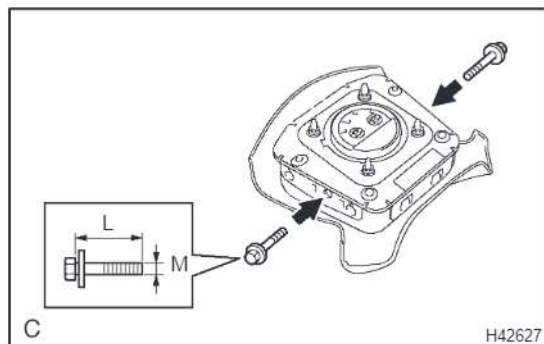
CAUTION:

If a wire harness which is too thin or an alternative object is used to tie down the horn button assy, it may be snapped by the shock when the airbag is deployed. This is highly dangerous. Always use a wire harness for vehicle use which has a diameter of at least 1.25 mm² (0.0019 in²).

HINT:

To calculate the square of the stripped wire harness section:

$$\text{Square} = 3.14 \times (\text{Diameter})^2 \text{ divided by } 4$$



- (1) Install the 2 bolts with washers in the 2 bolts holes of the horn button assy.

Bolt:

L: 35.0 mm (1.378 in.)

M: 6.0 mm (0.236 in.)

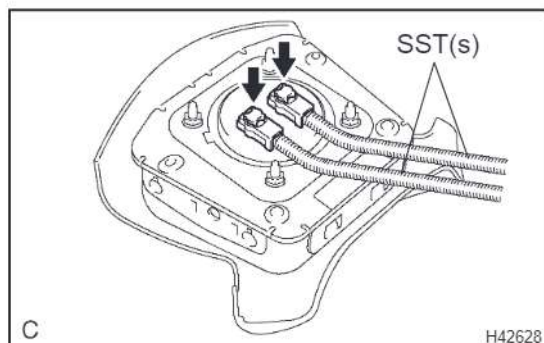
Pitch: 1.0 mm (0.039 in.)

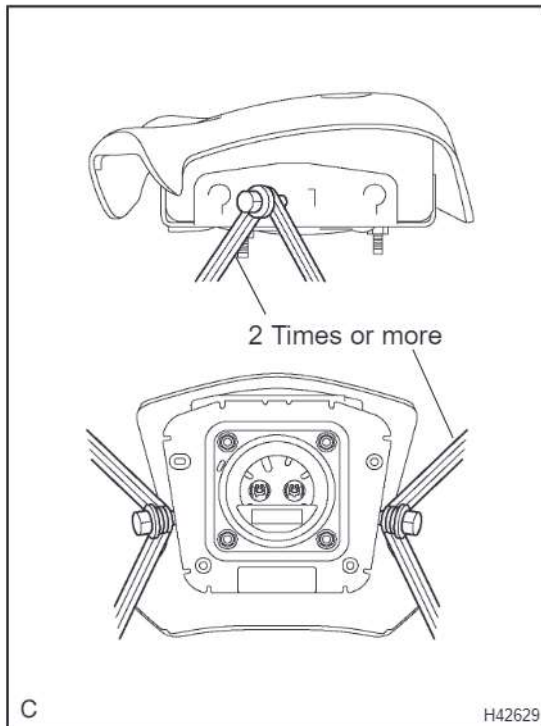
NOTICE:

- ▲ Tighten the bolts by hand until the bolts become difficult to turn.
- ▲ Do not tighten the bolts too much.

- (2) After connecting the SST(s) below to each other, connect them to the horn button assy.

SST 09082-00802 (09082-10801, 09082-30801)

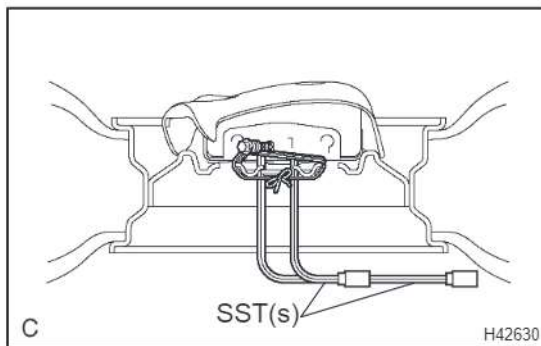




- (3) Using 3 wire harnesses, wind each wire harness at least 2 times each around the bolts installed on the left and right sides of the horn button assy.

CAUTION:

- ▲ **Tightly wind the wire harness around the bolts so that there is no slack.**
- ▲ **If there is slack in the wire harness, the horn button assy may become loose due to the shock when the airbag is deployed. This is highly dangerous.**



- (4) Face the upper surface of the horn button assy upward. Separately tie the left and right sides of the horn button assy to the disc wheel through the hub nut holes. Position the SST(s) connector so that it hangs downward through a hub hole in the disc wheel.

CAUTION:

- ▲ **Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the horn button assy coming free due to the shock from the airbag deployment.**
- ▲ **Always tie down the horn button assy with the pad side facing upward. It is highly dangerous if the horn button assy is tied down with the metal surface facing upward as the wire harness will be cut by the shock caused by the airbag deployment and the horn button assy will be thrown into the air.**

NOTICE:

The disc wheel will be marked by the airbag deployment, so use a redundant disc wheel.

- (d) Install the SST(s).

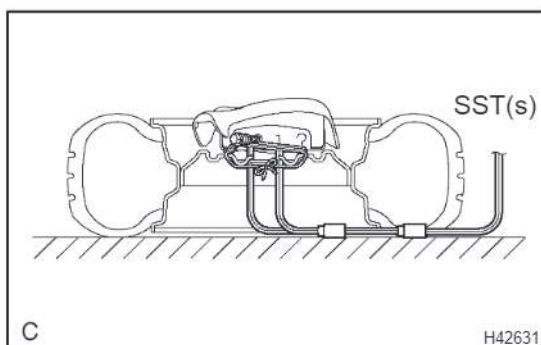
CAUTION:

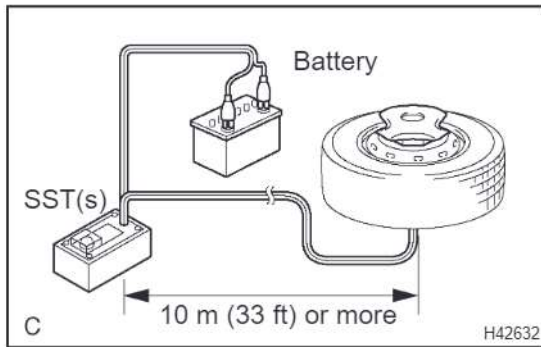
Place the disc wheel on the level ground.

- (1) Connect the connector of the SST(s).
SST 09082-00700

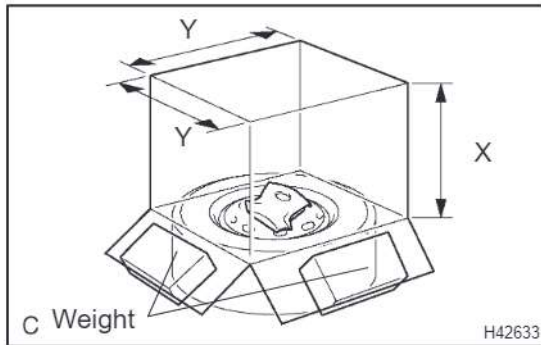
NOTICE:

To avoid damaging the SST(s) connector and wire harness, do not lock the secondary lock of the twin lock. Also, secure some slack for the SST(s) wire harness inside the disc wheel.





- (2) Move the SST(s) to at least 10 m (33 ft) away from the horn button assy tied down to the disc wheel.



- (e) Cover the horn button assy with a cardboard box or tires.
 ▲ Covering method using a cardboard box:
 Cover the horn button assy with the cardboard box and weigh the cardboard box down in 4 places with at least 190 N (20 kg, 44 lb).

Size of cardboard box:

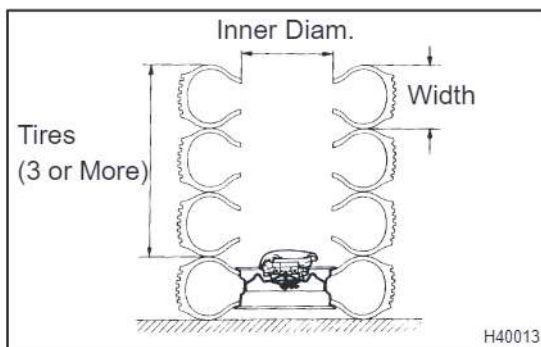
Must exceed the following dimensions:

X = 460 mm (18.11 in.)

Y = 650 mm (25.59 in.)

NOTICE:

- ▲ When the dimension Y of the cardboard box exceeds the diameter of the disc wheel with tire to which the horn button assy is tied, X should be the following size.
 $X = 460 \text{ mm (18.11 in.)} + \text{width of tire}$
 ▲ If a cardboard box smaller than the specified size is used, the cardboard box will be broken by the shock from the airbag deployment.



- ▲ Covering method using tires:
 Place at least 3 tires with no disc wheels on top of the tire with disc wheel to which the horn button assy is tied.

Tire size: Must exceed the following dimensions

Width: 185 mm (7.28 in.)

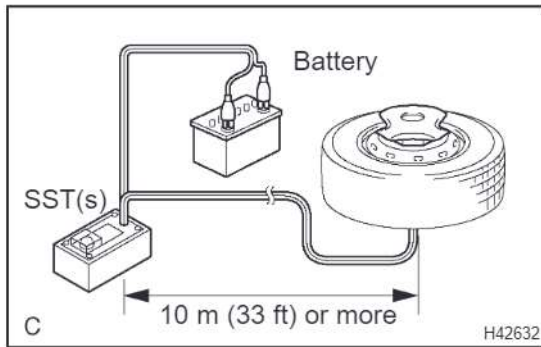
Inner diameter: 360 mm (14.17 in.)

CAUTION:

Do not use tires with disc wheels.

NOTICE:

- ▲ The tires may be marked by the airbag deployment, so use a redundant tires.
 ▲ Do not place the SST(s) connector under the tire because the SST(s) connector could be damaged.



- (f) Deploy the airbag.
- (1) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST(s) to the battery negative (-) terminal.
 - (2) Check that no one is within a 10 m (33 ft) radius of the disc wheel which the horn button assy is tied to.
 - (3) Press the activation switch of the SST(s) and deploy the airbag.

HINT:

The airbag is deployed as the LED of the SST(s) activation switch comes on.



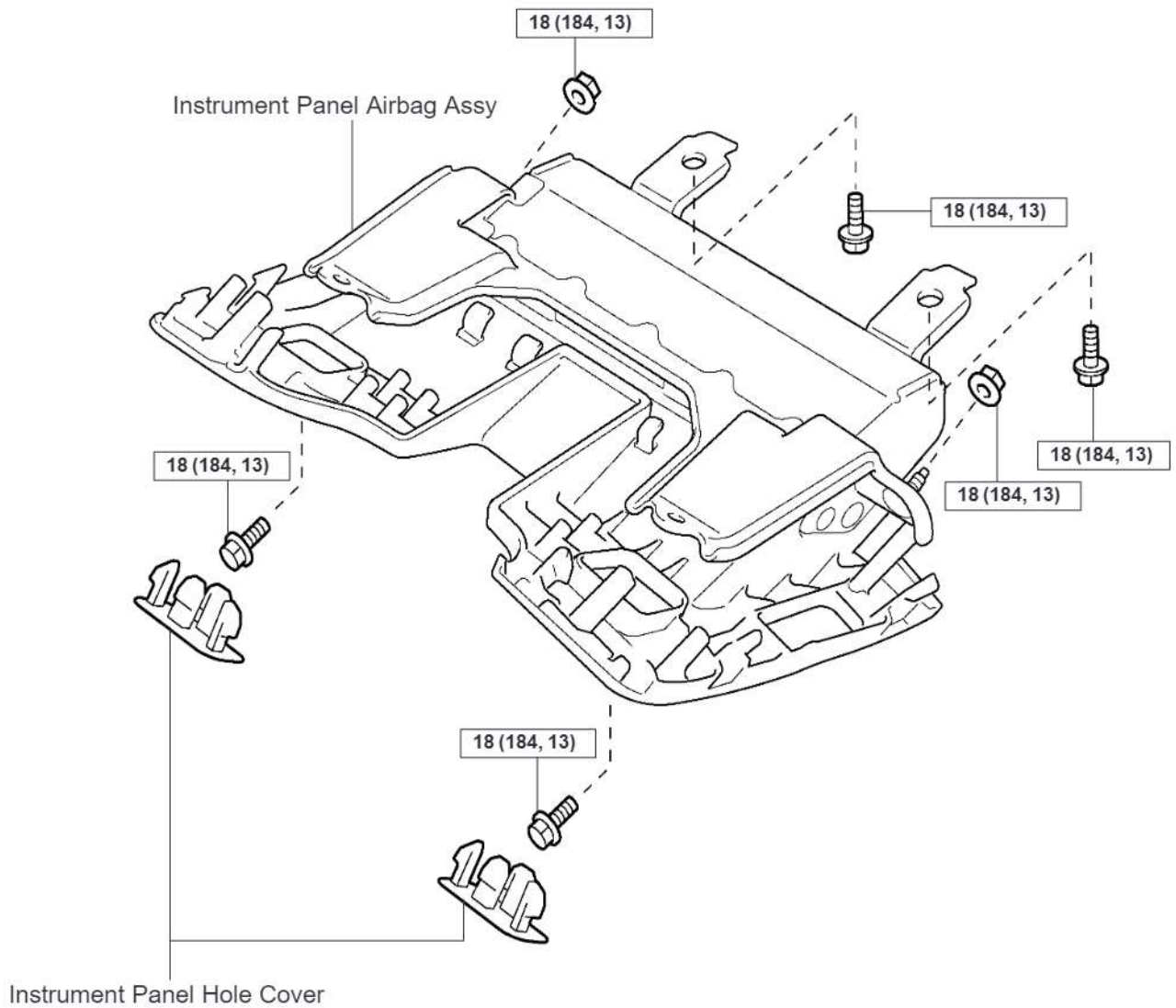
- (g) Dispose of the horn button assy.

CAUTION:

- ▲ The horn button assy is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
 - ▲ Use gloves and safety glasses when handling the horn button assy with the deployed airbag.
 - ▲ Do not apply water, etc. to the horn button assy with the deployed airbag.
 - ▲ Always wash your hands with water after completing the operation.
- (1) Remove the horn button assy from the disc wheel.
 - (2) Place the horn button assy in a plastic bag, tie the end tightly and dispose of it as other general parts disposal.

INSTRUMENT PANEL AIR BAG ASSY COMPONENTS

600K3-01

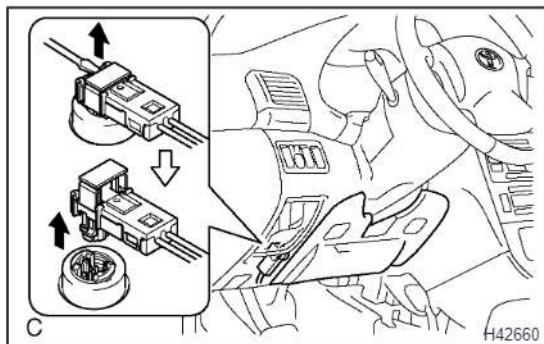


C N m (kgf cm, ft lbf) : Specified torque

H42798

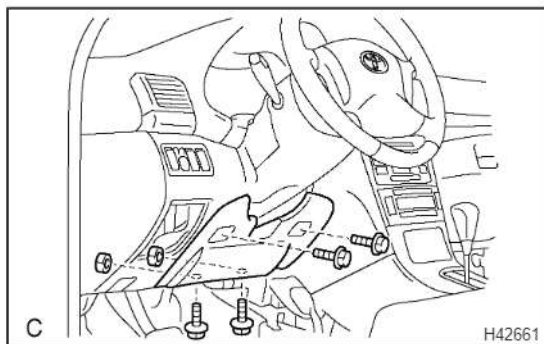
REPLACEMENT

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)
3. **REMOVE INSTRUMENT PANEL HOLE COVER**
 - (a) Using a screwdriver, remove the 2 instrument panel hole cover.

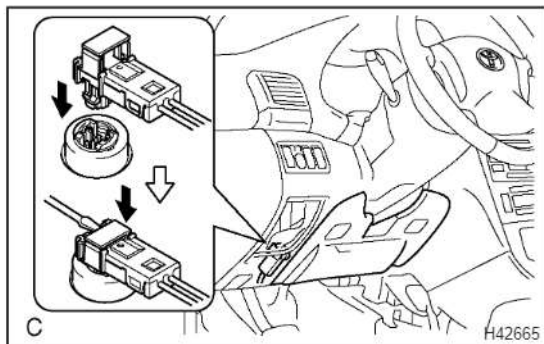


4. REMOVE INSTRUMENT PANEL AIR BAG ASSY

- (a) Using a screwdriver disconnect the airbag connector.



- (b) Remove the 4 bolts, 2 nuts and the instrument panel air-bag assy.



5. INSTALL INSTRUMENT PANEL AIR BAG ASSY

- (a) Install the instrument panel airbag assy.
- (b) Connect the airbag connector.
- (c) Install the 4 bolts and the 2 nuts.
Torque: 18.0 N m (184 kgf cm, 13 ft lbf)
- (d) Install the instrument panel hole cover.

6. **INSPECT INSTRUMENT PANEL AIR BAG ASSY** (See page 60-11)
7. **INSPECT SRS WARNING LIGHT** (See page 05-1184)

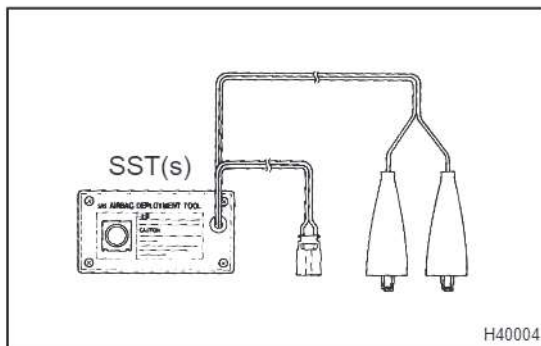
DISPOSAL

HINT:

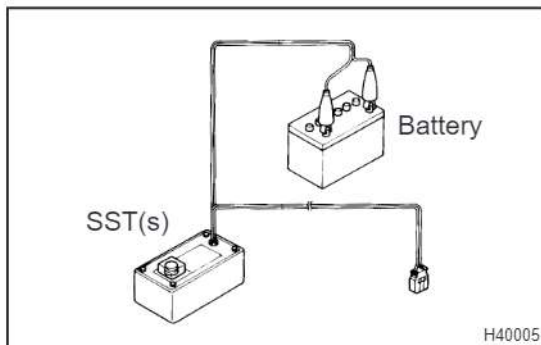
When scrapping a vehicle equipped with the SRS or disposing of the instrument panel airbag assy, be sure to deploy the airbag first in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.

CAUTION:

- ▲ Never dispose of the instrument panel airbag assy that has an undeployed airbag.
- ▲ The airbag produces an extremely loud exploding sound when it is deployed, so perform the operation outdoors and where it will not create a nuisance to nearby residents.



- ▲ When deploying the airbag, always use the specified SST(s) (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
- ▲ When deploying the airbag, perform the operation at least 10 m (33 ft) away from the instrument panel airbag assy.
- ▲ The instrument panel airbag assy is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the instrument panel airbag assy with the deployed airbag.
- ▲ Do not apply water, etc. to the instrument panel airbag assy with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.

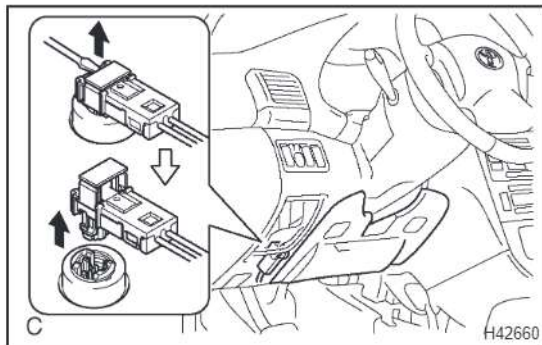


1. DISPOSE OF INSTRUMENT PANEL AIR BAG ASSY (WHEN SCRAPPING VEHICLE DEPLOYMENT METHOD)

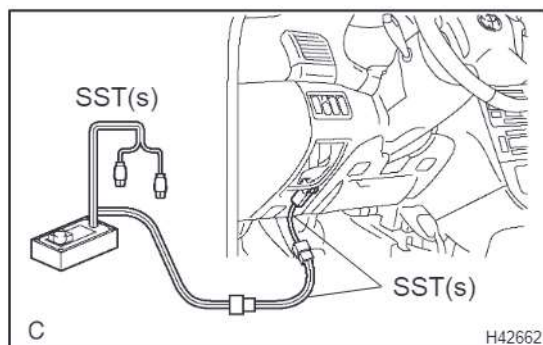
HINT:

Prepare a battery as the power source to deploy the airbag.

- (a) Check performance of the SST(s) ([See step 1-\(a\) on page 60-17](#)).



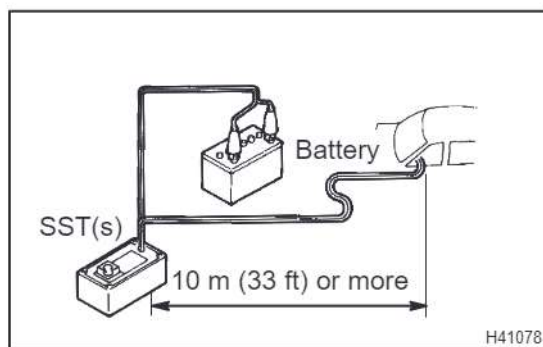
- (b) Disconnect the airbag connector.
- (1) Using a screwdriver, disconnect the instrument panel airbag connector.



- (c) Install the SST(s).
- (1) Connect the connectors of the SST(s) to the instrument panel airbag assy.
- SST 09082-00700, 09082-00802 (09082-10801, 09082-20801)

NOTICE:

Take care not to damage the SST(s) wire harness.



- (2) Move the SST(s) to at least 10 m (33 ft) away from the rear of the vehicle.
- (3) Close all the doors and windows in the vehicle.

NOTICE:

Take care not to damage the SST(s) wire harness.

- (4) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST(s) to the negative (-) terminal.
- (d) Deploy the airbag.
- (1) Check that no one is inside the vehicle or within a 10 m (33 ft) radius of the vehicle.
 - (2) Press the activation switch of the SST(s) and deploy the airbag.

HINT:

The airbag deploys as the LED of the SST(s) activation switch comes on.

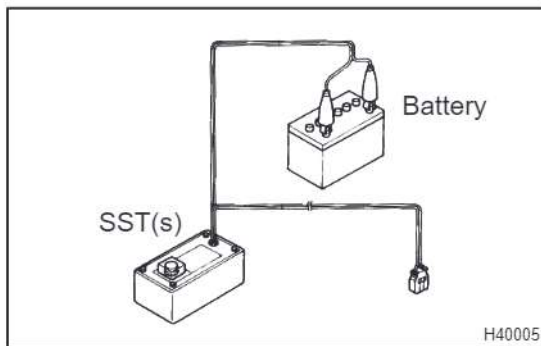
(e) Dispose of the instrument panel airbag assy.

CAUTION:

- ▲ The instrument panel airbag assy is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the instrument panel airbag assy with the deployed airbag.
- ▲ When moving the vehicle for scrapping which has the instrument panel airbag assy with the deployed airbag, use gloves and safety glasses.
- ▲ Do not apply water, etc. to the instrument panel airbag assy with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.

HINT:

When scrapping a vehicle, deploy the airbag and scrap the vehicle with the instrument panel airbag assy still installed.



2. DISPOSE OF INSTRUMENT PANEL AIR BAG ASSY (WHEN DISPOSING OF AIRBAG ASSEMBLY DEPLOYMENT METHOD)

NOTICE:

- ▲ When disposing of the instrument panel airbag assy only, never use the customer's vehicle to deploy the airbag.
- ▲ Be sure to follow the procedure detailed below when deploying the airbag.

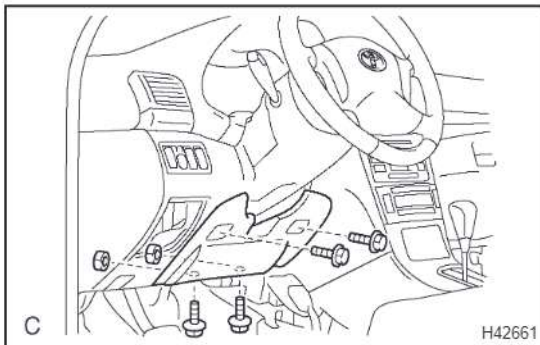
HINT:

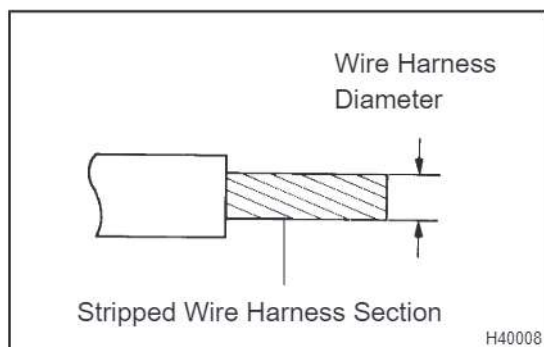
Prepare a battery as the power source to deploy the airbag.

- (a) Check the performance of the SST(s) (See step 1-(a) on page 60-19).
- (b) Using a screwdriver, remove the 2 instrument panel hole cover.
- (c) Remove the instrument panel airbag assy (See page 60-54).

CAUTION:

- ▲ When removing the instrument panel airbag assy, work must be started 90 seconds after the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.
- ▲ When storing the instrument panel airbag assy, keep the upper surface of the airbag deployment side facing upward.





- (d) Using a service-purpose wire harness for the vehicle, tie down the instrument panel airbag assy to the tire.

Wire harness: Stripped wire harness section
1.25 mm² or more (0.0019 in.² or more)

CAUTION:

If the wire harness which is too thin or an alternative object is used to tie down the instrument panel airbag assy, it may be snapped by the shock when the airbag is deployed. Always use a wire harness for vehicle use which has a diameter of at least 1.25 mm² (0.0019 in.²).

HINT:

- ▲ To calculate the square of the stripped wire harness section:

Square = 3.14 x (Diameter)² divided by 4

- ▲ Position the instrument panel airbag assy inside the tire with the airbag deployment side facing inside.

Tire size: Must exceed the following dimensions

Width: 185 mm (7.28 in.)

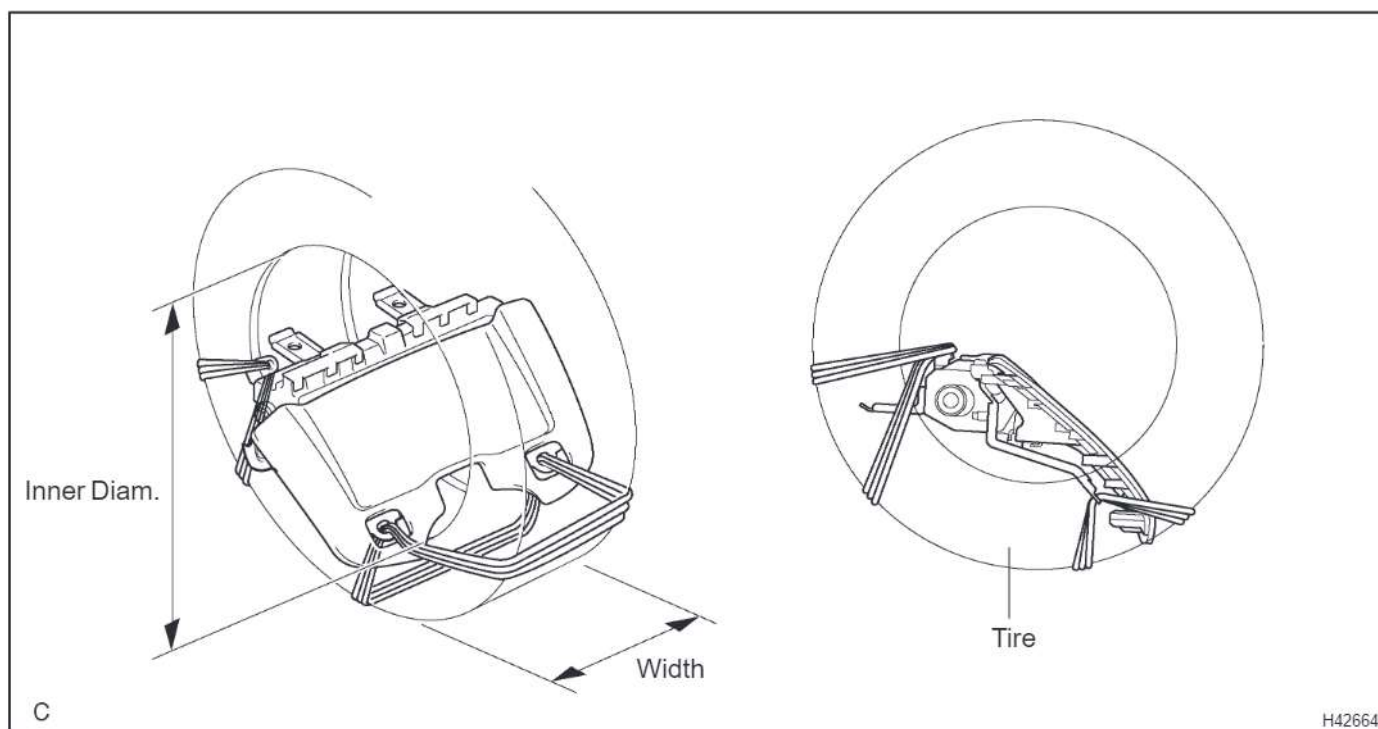
Inner diameter: 360 mm (14.17 in.)

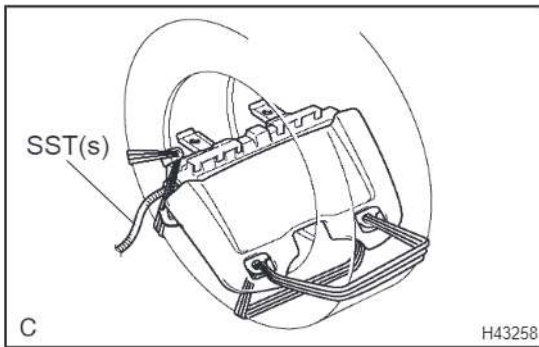
CAUTION:

- ▲ Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the instrument panel airbag assy coming free due to the shock from the airbag deployment.
- ▲ Always tie down the instrument panel airbag assy with the airbag deployment side facing inside the tire.

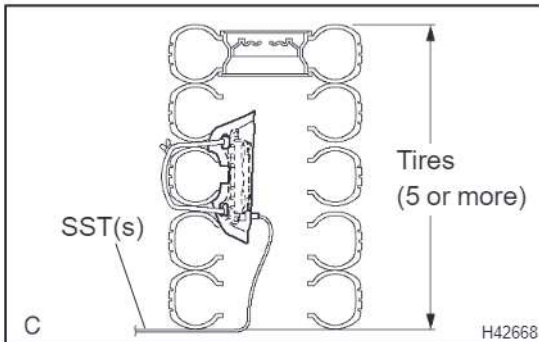
NOTICE:

The tire will be marked by the airbag deployment, so use a redundant tire.





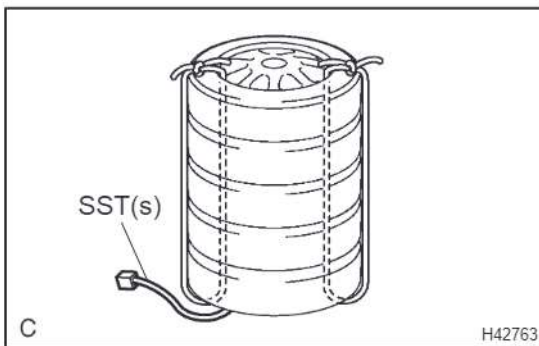
- (e) Install the SST(s).
Connect the connector of the SST(s) to the instrument panel airbag assy.
SST 09082-00770



- (f) Place the tires.
(1) Place at least 2 tires under the tire to which the instrument panel airbag assy is tied.
(2) Place at least 2 tires over the tire to which the instrument panel airbag assy is tied. The top tire should have the disc wheel installed.

NOTICE:

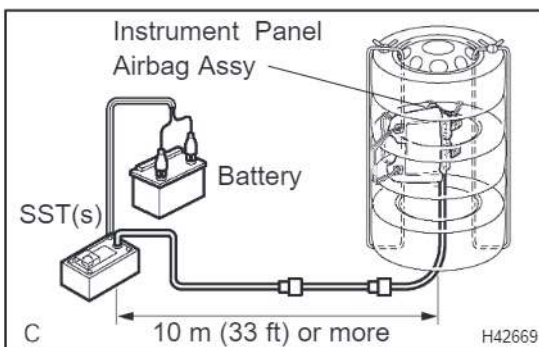
Do not place the SST(s) connector under the tire because the SST(s) connector could be damaged.



- (3) Tie the tires together with 2 wire harnesses.

CAUTION:

Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the tires coming free due to the shock from the airbag deployment.



- (g) Install the SST(s).
Connect the connectors of the SST(s).
SST 09082-00700, 09082-00802 (09082-10801, 09082-20801)

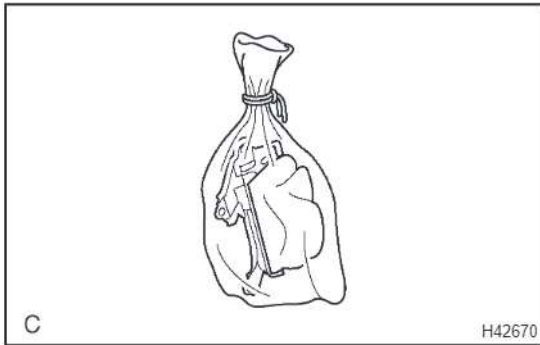
NOTICE:

To avoid damaging the SST(s) connector and wire harness, do not lock the secondary lock of the twin lock. Also, secure some slack for the SST(s) wire harness inside the tire.

- (h) Deploy the airbag.
(1) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST(s) to the battery negative (-) terminal.
(2) Check that no one is within a 10 m (33 ft) radius of the tire to which the instrument panel airbag assy lower No.1 is tied.
(3) Press the activation switch of the SST(s) and deploy the airbag.

HINT:

The airbag is deployed as the LED of the SST(s) activation switch comes on.



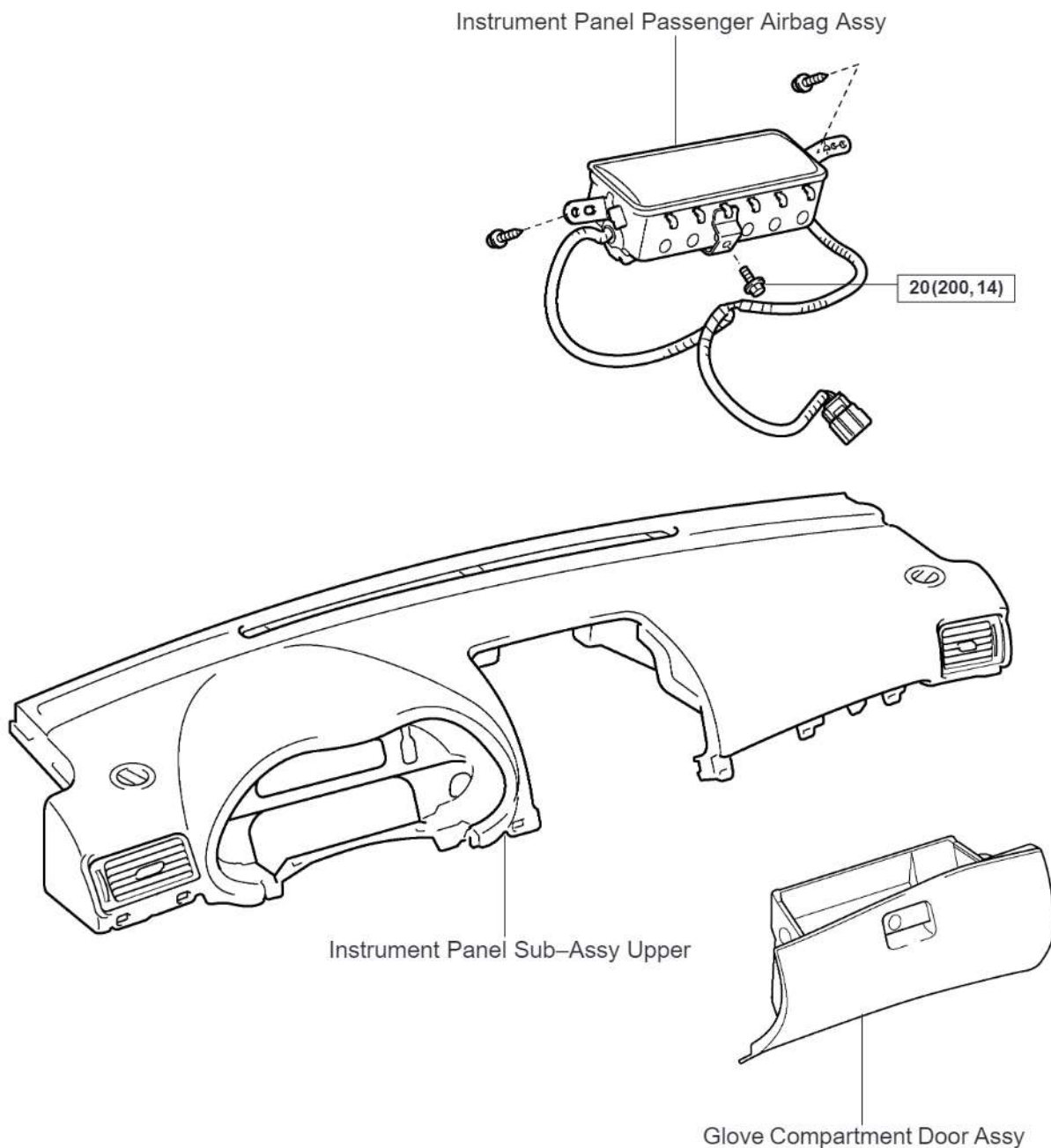
(i) Dispose of the instrument panel airbag assy.

CAUTION:

- ▲ The instrument panel airbag assy is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the instrument panel airbag assy with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.
- ▲ Do not apply water etc. to the instrument panel airbag assy with the deployed airbag.
 - (1) Remove the instrument panel airbag assy from the tire.
 - (2) Place the instrument panel airbag assy in a plastic bag, tie the end tightly and dispose of it in the same way as for other general parts disposal.

INSTRUMENT PANEL PASSENGER AIR BAG ASSY COMPONENTS

600JX-01

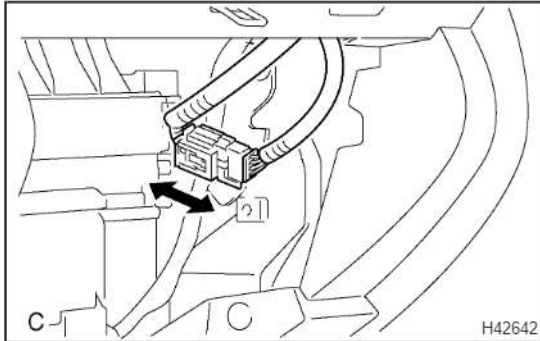


C **N m (kgf cm, ft lbf)** : Specified torque

H42775

REPLACEMENT

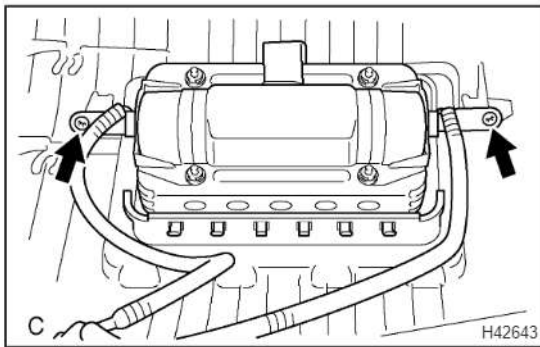
1. PRECAUTION (See page 60–1)
2. DISCONNECT BATTERY NEGATIVE TERMINAL (See page 60–1)
3. REMOVE GLOVE COMPARTMENT DOOR ASSY (See page 71–11)



4. DISCONNECT PASSENGER AIRBAG CONNECTOR

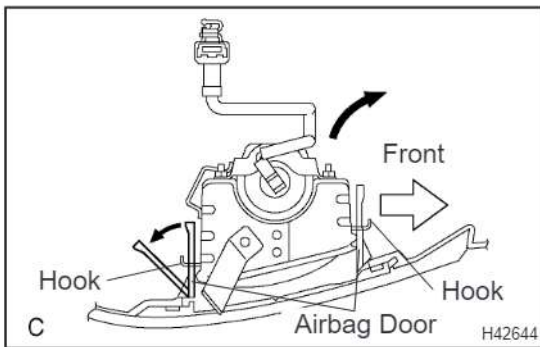
- (a) Remove the passenger airbag connector clip.
- (b) Disconnect the passenger airbag connector.

5. REMOVE INSTRUMENT PANEL SUB-ASSY UPPER W/INSTR PNL PASS L/DOOR AIR BAG ASSY (See page 71–11)



6. REMOVE INSTRUMENT PANEL PASSENGER AIR BAG ASSY

- (a) Remove the 2 screws.



- (b) Release the rear side wall of the airbag door from the hook by slightly deflecting it and roll the instrument panel passenger airbag assy forward.
- (c) Release the front side wall of the airbag door from the other hook and remove the instrument panel passenger airbag assy.

7. INSTALL INSTRUMENT PANEL PASSENGER AIR BAG ASSY
8. INSPECT INSTRUMENT PANEL PASSENGER AIR BAG ASSY (See page 60–11)
9. INSTALL INSTRUMENT PANEL SUB-ASSY UPPER W/INSTR PNL PASS L/DOOR AIR BAG ASSY (See page 71–11)
10. INSPECT SRS WARNING LIGHT (See page 05–1184)

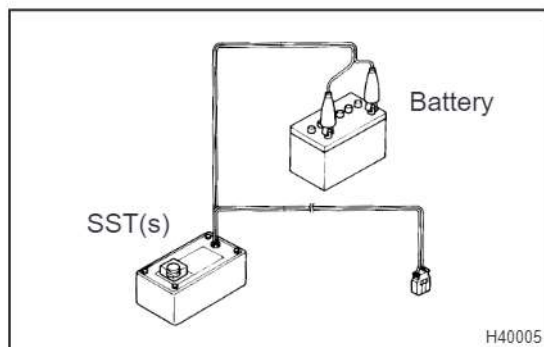
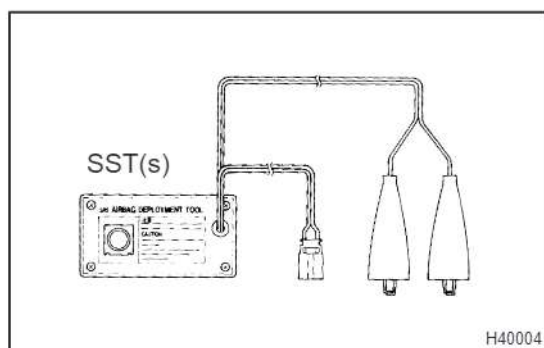
DISPOSAL

HINT:

When scrapping a vehicle equipped with SRS or disposing of an instrument panel passenger airbag assy, be sure to deploy the airbag first in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.

CAUTION:

- ▲ Never dispose of the instrument panel passenger assy that has an undeployed airbag.
- ▲ The airbag produces an extremely exploding sound when it is deployed, so perform the operation outdoors and where it will not create a nuisance to nearby residents.
- ▲ When deploying the airbag, always use the specified SST(s) (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
- ▲ When deploying the airbag, perform the operation at least 10 m (33 ft) away from the instrument panel passenger airbag assy.
- ▲ The instrument panel passenger airbag assy is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the instrument panel passenger airbag assy with the deployed airbag.
- ▲ Do not apply water, etc. to the instrument panel passenger airbag assy with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.

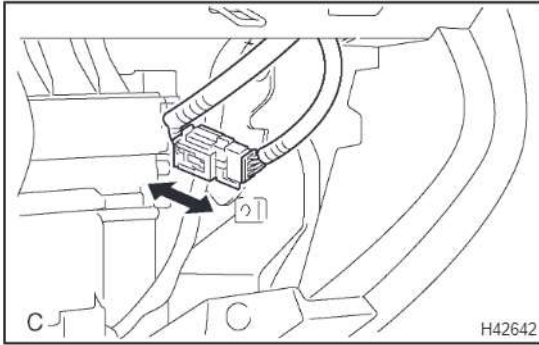


1. DISPOSE OF INSTRUMENT PANEL PASSENGER AIR BAG ASSY (WHEN SCRAPPING VEHICLE DEPLOYMENT METHOD)

HINT:

Prepare a battery as the power source to deploy the airbag.

- (a) Check functioning of the SST(s) ([See step 1-\(a\) on page 60-19](#)).

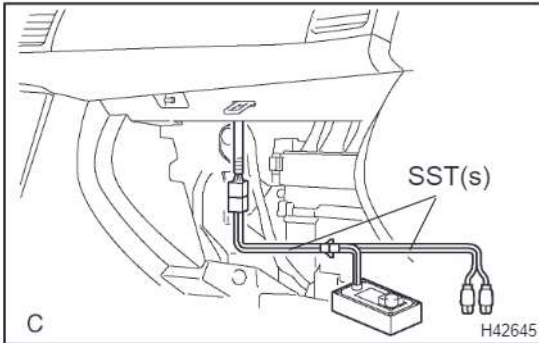


- (b) Disconnect the airbag connector.
- (1) Remove the glove compartment door assy
(See step 71-11).

NOTICE:

When handling the airbag connector, take care not to damage the airbag wire harness.

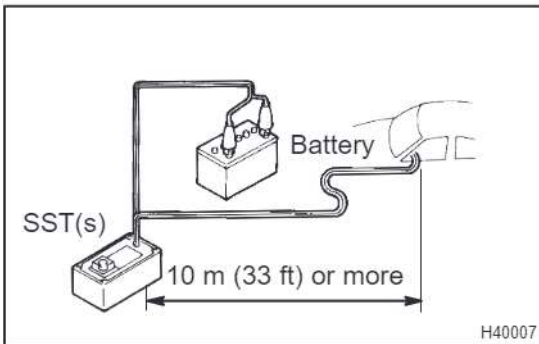
- (2) Disconnect the airbag connector.



- (c) Install the SST(s).
- (1) Connect the connector of the SST(s) to the instrument panel passenger airbag assy connector.
- SST 09082-00700, 09082-00780

NOTICE:

To avoid damaging the SST(s) connector and wire harness, do not lock the secondary lock of the twin lock.



- (2) Move the SST(s) to at least 10 m (33 ft) away from the front of the vehicle.
- (3) Close all the doors and windows in the vehicle.

NOTICE:

Take care not to damage the SST(s) wire harness.

- (4) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST(s) to the negative (–) terminal.

- (d) Deploy the airbag.
- (1) Check that no one is inside the vehicle or within a 10 m (33 ft) radius of the vehicle.
 - (2) Press the activation switch of the SST(s) and deploy the airbag.

HINT:

The airbag is deployed as the LED of the SST(s) activation switch comes on.

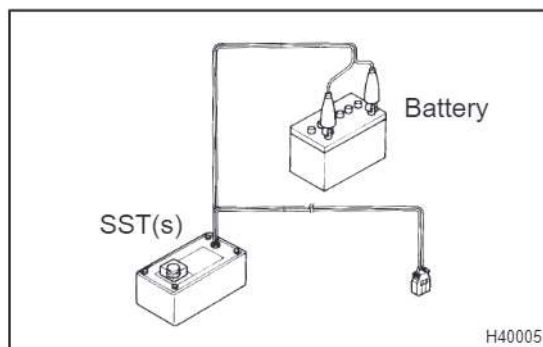
- (e) Dispose of the instrument panel passenger airbag assy.

CAUTION:

- ▲ The instrument panel passenger airbag assy is extremely hot when the airbag is deployed, so do not touch it for at least 30 minutes after deployment.
- ▲ Use gloves and safety glasses when handling the instrument panel passenger airbag assy with the deployed airbag.
- ▲ When moving the vehicle for scrapping which has the instrument panel passenger airbag assy with the deployed airbag, use gloves and safety glasses.
- ▲ Do not apply water, etc. to the instrument panel passenger airbag assy with the deployed airbag.
- ▲ Always wash your hands with water after completing the operation.

HINT:

When scrapping a vehicle, deploy the airbag and scrap the vehicle with the instrument panel passenger airbag assy still installed.



2. DISPOSE OF INSTRUMENT PANEL PASSENGER AIR BAG ASSY (WHEN DISPOSING OF AIRBAG ASSEMBLY DEPLOYMENT METHOD)

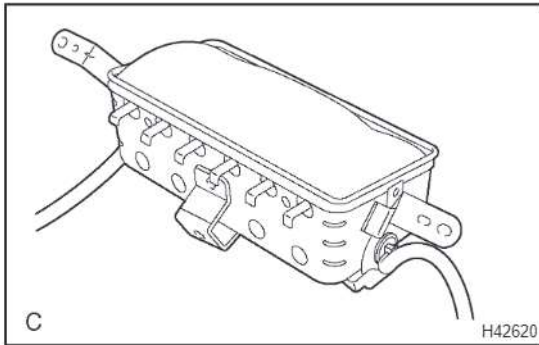
NOTICE:

- ▲ When disposing of the instrument panel passenger airbag assy only, never use the customer's vehicle to deploy the airbag.
- ▲ Be sure to follow the procedure detailed below when deploying the airbag.

HINT:

Prepare a battery as the power source to deploy the airbag.

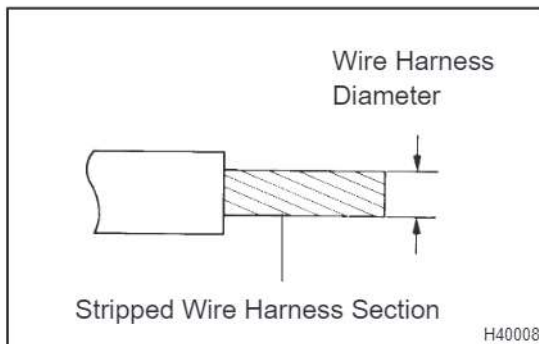
- (a) Check the function of the SST(s) ([See step 1-\(a\) on page 60-19](#)).



- (b) Remove the instrument panel passenger airbag assy (See page 60-29).

CAUTION:

- ▲ When removing the instrument panel passenger airbag assy, work must be started 90 seconds after the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.
- ▲ When storing the instrument panel passenger airbag assy, keep the upper surface of the airbag deployment side facing upward.



- (c) Using a service-purpose wire harness for the vehicle, tie down the instrument panel passenger airbag assy to the tire.

Wire harness: Stripped wire harness section
1.25 mm² or more (0.0019 in.² or more)

CAUTION:

If a wire harness which is too thin or an alternative object is used to tie down the instrument panel passenger airbag assy, it may be snapped by the shock when the airbag is deployed. This is highly dangerous. Always use a wire harness for vehicle use which has a diameter of at least 1.25 mm² (0.0019 in.²).

HINT:

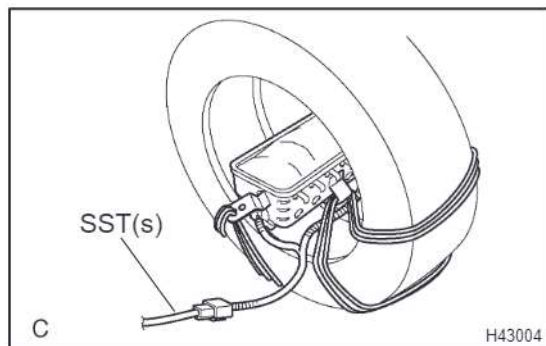
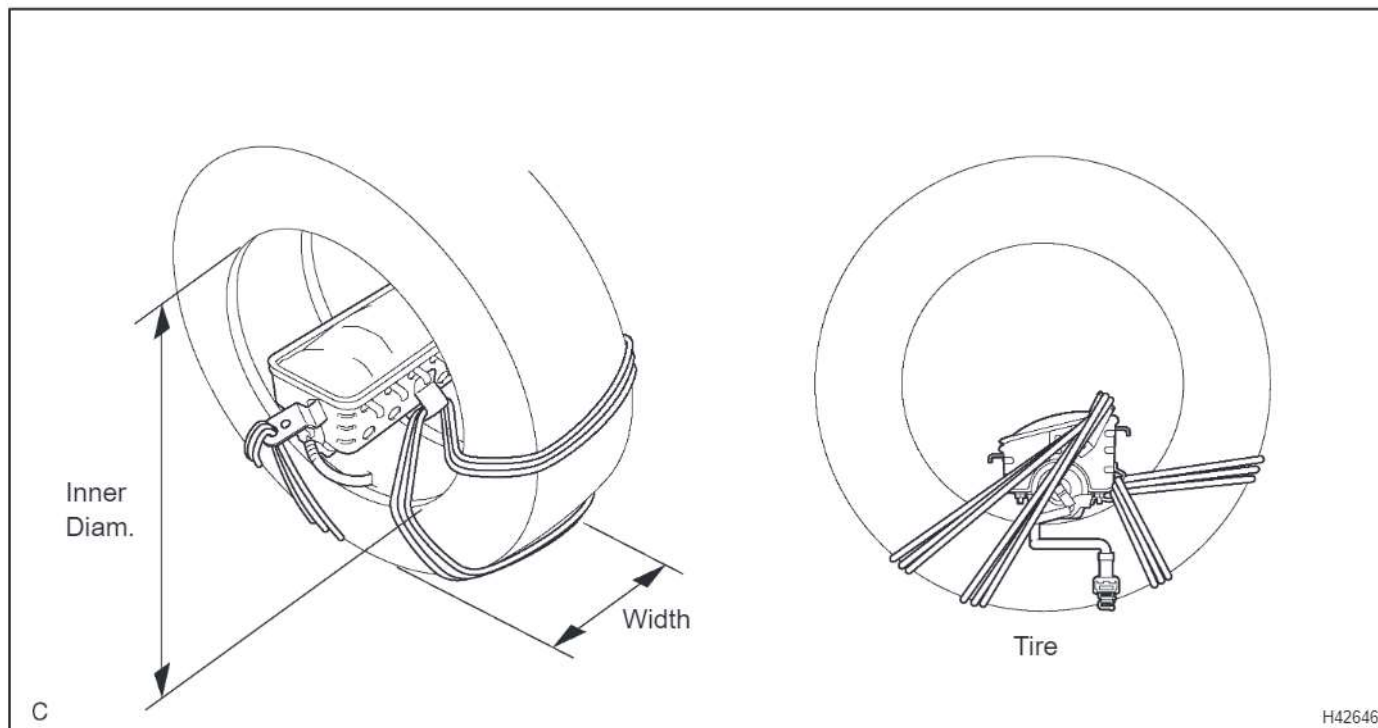
- ▲ To calculate the square of the stripped wire harness section:
Square = 3.14 x (Diameter)² divided by 4
- ▲ Position the instrument panel passenger airbag assy inside the tire with the airbag deployment side facing inside.
Tire size: Must exceed the following dimensions
Width: 185 mm (7.28 in.)
Inner diameter: 360 mm (14.17 in.)

CAUTION:

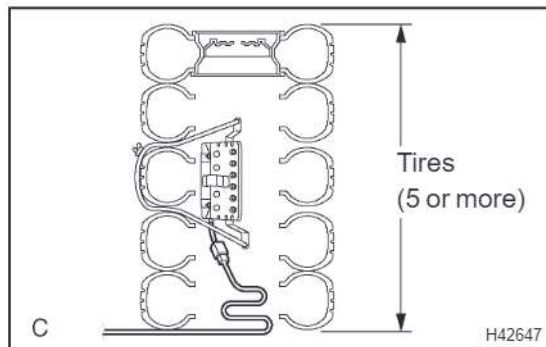
- ▲ Make sure that the wire harness is tight. It is highly dangerous when looseness in the wire harness results in the instrument panel passenger airbag assy coming free due to the shock from the airbag deployment.
- ▲ Always tie down the instrument panel passenger airbag assy with the airbag deployment side facing inside the tire.

NOTICE:

The tire will be marked by the airbag deployment, so use a redundant tire.



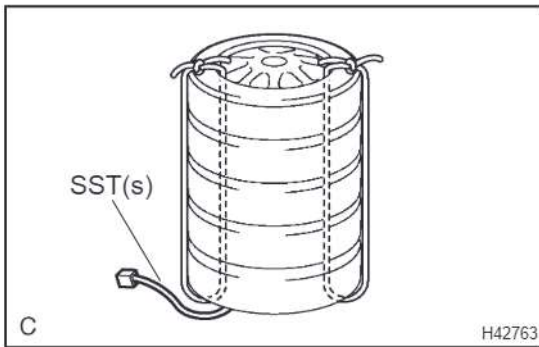
- (d) Install the SST(s).
Connect the connector of the SST(s) to the instrument panel passenger airbag Assy.
SST 09082-00780



- (e) Place tires.
- (1) Place at least 2 tires under the tire to which the instrument panel passenger airbag Assy is tied.
 - (2) Place at least 2 tires over the tire to which the instrument panel passenger airbag Assy is tied. The top tire should have the disc wheel installed.

NOTICE:

Do not place the SST(s) connector under the tire because the SST connector could be damaged.



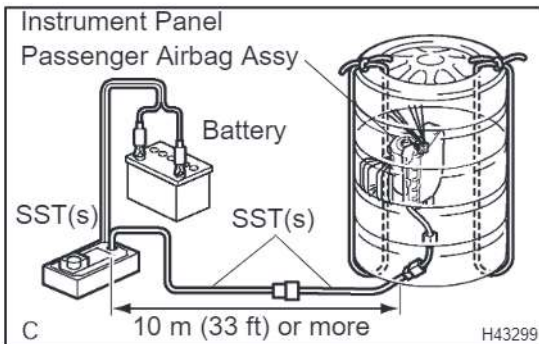
- (3) Tie the tires together with 2 wire harnesses.

CAUTION:

Make sure that the wire harness is tight. It is very dangerous when looseness in the wire harness result in the tires coming free due to the shock from the airbag deployment.

HINT:

Place the SST(s) connector and the wire harness inside tires. Secure at least 1 m (3 ft) of slack for the wire harness.



- (f) Install the SST(s).

Connect the connector of the SST(s).

SST 09082-00700

NOTICE:

To avoid damaging the SST(s) connector and wire harness, do not lock the secondary lock of the twin lock. Also, secure some slack for the SST(s) wire harness inside the tire.

- (g) Deploy the airbag.

- (1) Connect the red clip of the SST(s) to the battery positive (+) terminal and the black clip of the SST to the battery negative (-) terminal.
- (2) Check that no one is within a 10 m (33 ft) radius of the tire to which the instrument panel passenger airbag assy is tied.
- (3) Press the activation switch of the SST(s) and deploy the airbag.

HINT:

The airbag is deploys as the LED of the SST(s) activation switch comes on.



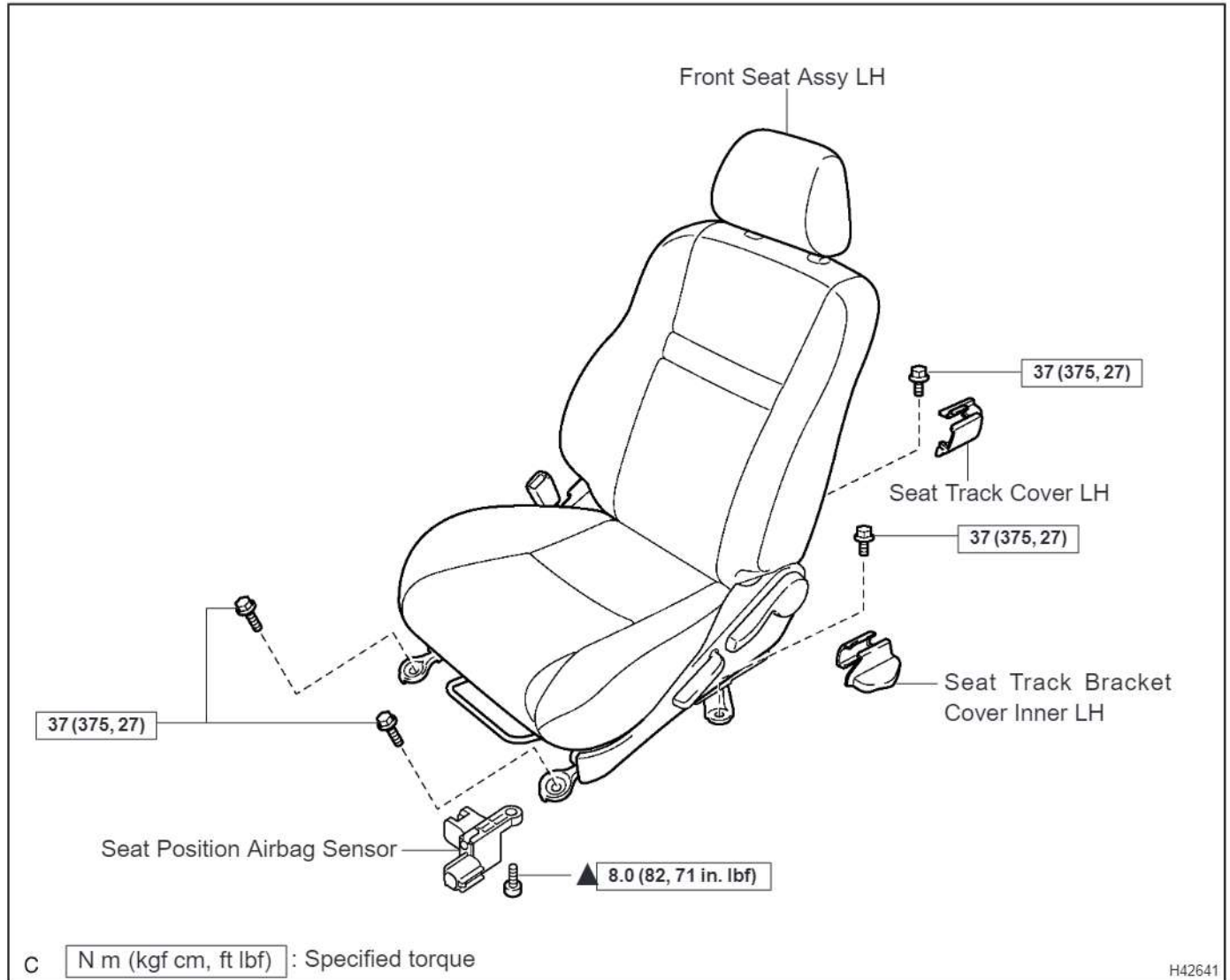
- (h) Dispose of the instrument panel passenger airbag assy.

CAUTION:

- ▲ The instrument panel passenger airbag assy is very hot when the airbag is deployed, so leave it alone for at least 30 minutes after deployment.
 - ▲ Use gloves and safety glasses when handling the instrument panel passenger airbag assy with the deployed airbag.
 - ▲ Do not apply water, etc. to the instrument panel passenger airbag assy with the deployed airbag.
 - ▲ Always wash your hands with water after completing the operation.
- (1) Remove the instrument panel passenger airbag assy from the tire.
 - (2) Place the instrument panel passenger airbag assy in a plastic bag, tie the end tightly and dispose of it in the same way as other general parts disposal.

SEAT POSITION AIR BAG SENSOR COMPONENTS

600AA-04

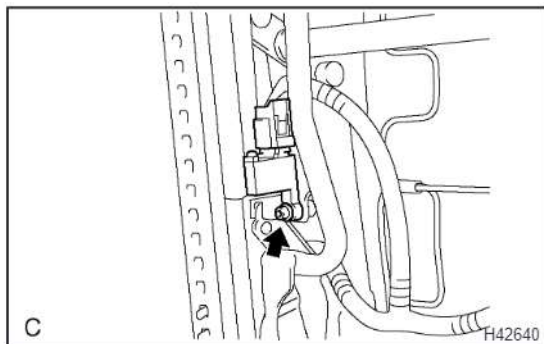


REPLACEMENT

HINT:

Replacement procedure of the RH side is the same as that of the LH side.

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)
3. **REMOVE SEAT TRACK COVER LH** (See page 72-16)
4. **REMOVE SEAT TRACK BRACKET COVER INNER LH** (See page 72-16)
5. **REMOVE FRONT SEAT ASSY LH** (See page 72-16)



6. REMOVE SEAT POSITION AIR BAG SENSOR

- (a) Disconnect the connector of the seat position airbag sensor.
- (b) Using a torx socket wrench (T30), remove the torx screw and seat position airbag sensor.

7. INSTALL SEAT POSITION AIR BAG SENSOR

- (a) Check that the ignition switch is off.
- (b) Check that the battery negative (-) terminal is disconnected.

NOTICE:

Do not start the operation for 90 seconds after removing the terminal.

- (c) Using a torx socket wrench (T30), install the seat position airbag sensor with the torx screw.
Torque: 8.0 N m (82 kgf cm, 71 in. lbf)

NOTICE:

- ▲ If the seat position airbag sensor has been dropped, or there are any cracks, dents or other defects in the case, bracket or connector, replace the seat position airbag sensor with a new one.
 - ▲ When installing the seat position airbag sensor, take care that the SRS wiring does not interfere with other parts and is not pinched between other parts.
- (d) Connect the connector of the seat position airbag sensor.
 - (e) Check that no play is identified.

8. INSTALL FRONT SEAT ASSY LH (See page 72-16)

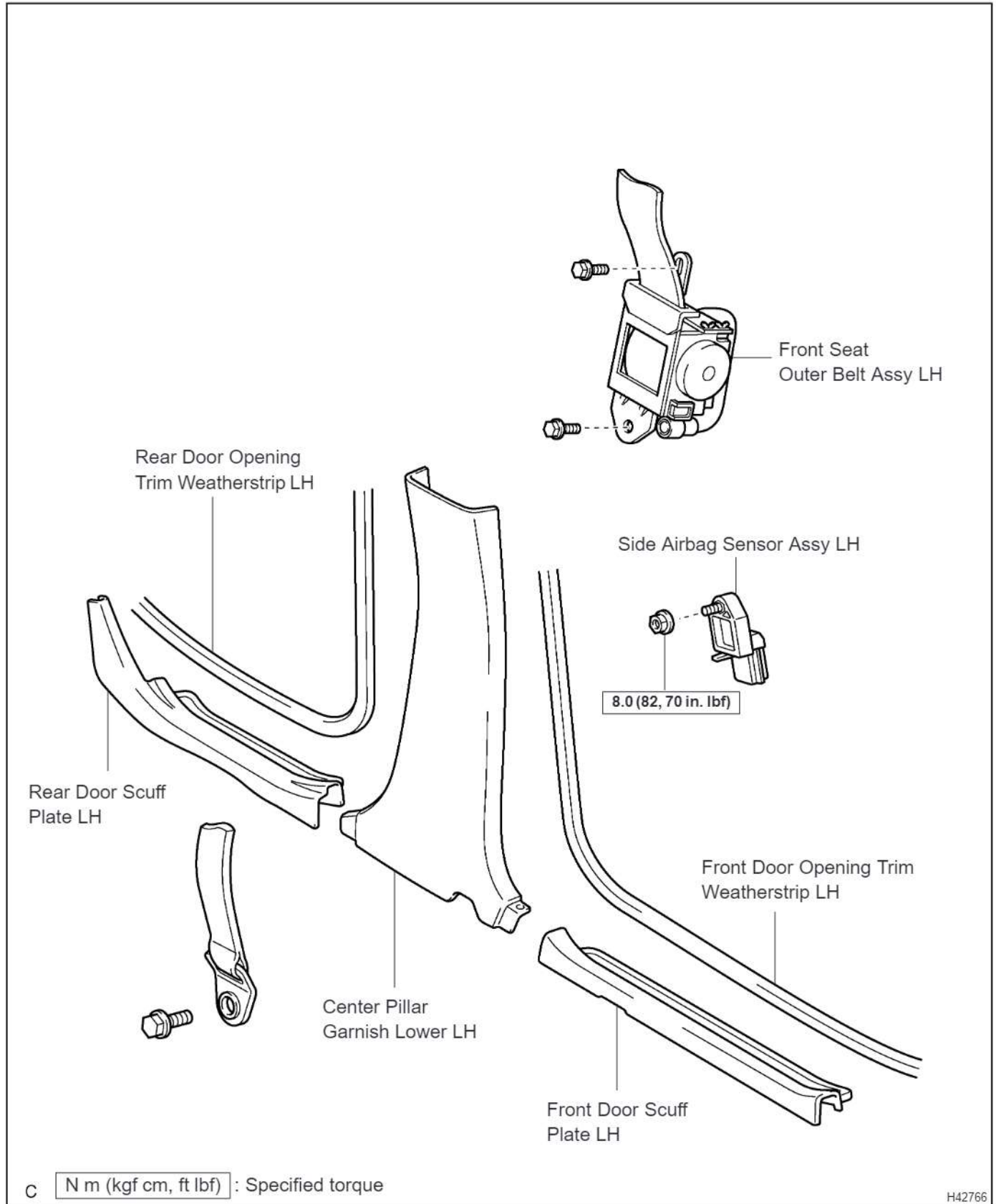
Torque: 37 N m (375 kgf cm, 27 ft lbf)

9. SRS WARNING LIGHT (See page 05-1184)

SIDE AIR BAG SENSOR ASSY LH

COMPONENTS

600A6-03



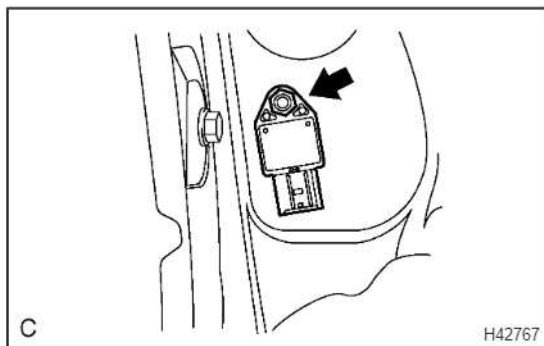
H42766

REPLACEMENT

HINT:

Replacement procedure of the RH side is the same as that for with LH side.

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)
3. **REMOVE FRONT DOOR SCUFF PLATE LH** (See page 76-36)
4. **REMOVE REAR DOOR SCUFF PLATE LH** (See page 76-36)
5. **REMOVE FRONT DOOR WEATHERSTRIP LH** (See page 76-36)
6. **REMOVE REAR DOOR WEATHERSTRIP LH** (See page 76-36)
7. **REMOVE CENTER PILLAR GARNISH LOWER LH** (See page 76-36)
8. **REMOVE FRONT SEAT OUTER BELT ASSY LH** (See page 61-7)



9. REMOVE SIDE AIR BAG SENSOR ASSY LH

- (a) Remove the bolt and the side airbag sensor assy LH.
- (b) Disconnect the connector from the side airbag sensor assy LH.

10. INSTALL SIDE AIR BAG SENSOR ASSY LH

- (a) Check that the ignition switch is off.
- (b) Check that the battery negative (–) terminal is disconnected.

NOTICE:

Do not start the operation for 90 seconds after removing the terminal.

- (c) Install the side airbag sensor assy LH with the nut.

Torque: 8.0 N m (82 kgf cm, 70 in. lbf)

NOTICE:

- ▲ If the side airbag sensor assy LH has been dropped, or there are any cracks, dents or other defects in the case, bracket or connector, replace the side airbag sensor assy LH with a new one.
 - ▲ When installing the side airbag sensor assy LH, take care that the SRS wiring does not interfere with other parts and is not pinched between other parts.
- (d) Connect the connector of the side airbag sensor assy LH.
 - (e) Check that no play is identified.
11. **INSTALL FRONT SEAT OUTER BELT ASSY LH** (See page 61-7)
 12. **INSPECT SRS WARNING LIGHT** (See page 05-1184)

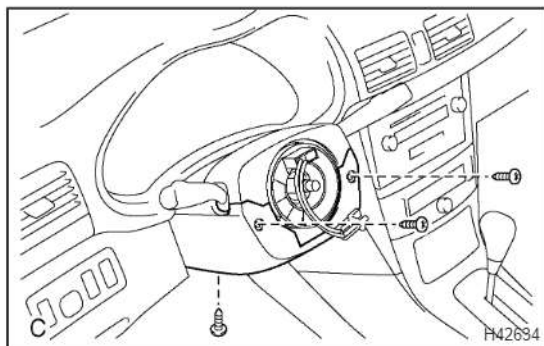
SPIRAL CABLE SUB-ASSY REPLACEMENT

60095-04

HINT:

COMPONENTS: See page 60-16

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)
3. **PLACE FRONT WHEELS FACING STRAIGHT AHEAD**
4. **REMOVE HORN BUTTON ASSY** (See page 60-17)
5. **REMOVE STEERING WHEEL ASSY** (See page 50-9)
SST 09950-50013 (09951-05010, 09952-05010, 09953-05020, 09954-05021)
6. **REMOVE INSTRUMENT PANEL HOLE COVER** (See page 60-54)
7. **REMOVE INSTRUMENT PANEL AIR BAG ASSY** (See page 60-54)

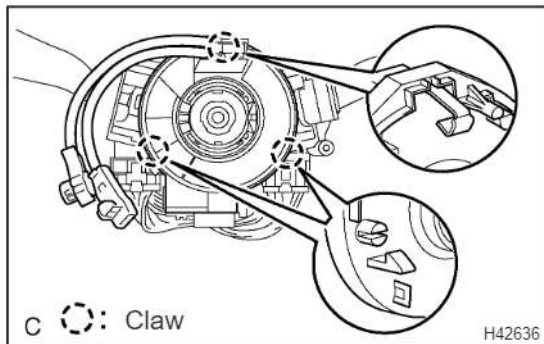


8. REMOVE STEERING COLUMN COVER SUB-ASSY LOWER

- (a) Remove the 3 screws and the steering column cover sub-assy lower.

9. REMOVE STEERING COLUMN COVER W/INSTRUMENT CLUSTER FINISH PANEL ASSY

- (a) Remove the steering column cover w/instrument cluster finish panel assy.



10. REMOVE SPIRAL CABLE SUB-ASSY

- (a) Disconnect the airbag connector and the connector from the spiral cable sub-assy.
- (b) Disengage the 3 claws and remove the spiral cable sub-assy.

11. INSPECT SPIRAL CABLE SUB-ASSY (See page 60-11)

- (a) If the following condition is identified, replace the spiral cable sub-assy with a new one.

Condition:

Scratches or cracks on the connector

Cracks, dents or chips in the spiral cable sub-assy

12. PLACE FRONT WHEELS FACING STRAIGHT AHEAD

- (a) Check that the front wheels are facing straight ahead.

13. INSTALL SPIRAL CABLE SUB-ASSY

- (a) Set the turn signal switch to the neutral position.

NOTICE:

Make sure of the neutral position since the pin of the turn signal switch may be snapped.

- (b) Install the spiral cable sub-assy.

NOTICE:

When replacing the spiral cable sub-assy with a new one, remove the lock pin before installing the steering wheel assy.

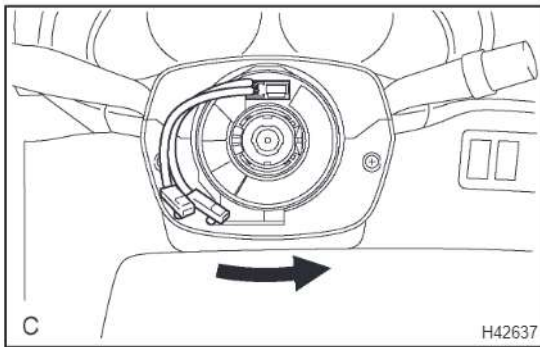
- (c) Connect the airbag connector and the connector.
 (d) Install the steering column cover with the 3 screws.

14. ADJUST SPIRAL CABLE SUB-ASSY

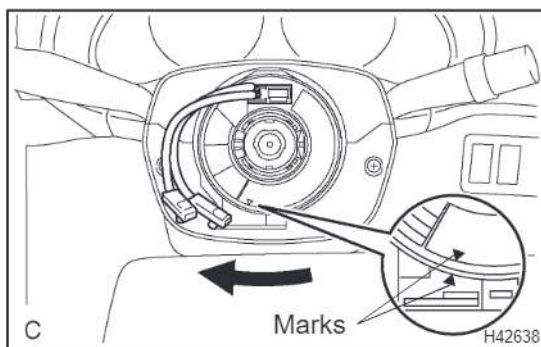
- (a) Check that the ignition switch is off.
 (b) Check that the battery negative terminal is disconnected.

NOTICE:

Do not start the operation for 90 seconds after removing the terminal.



- (c) Turn the spiral cable sub-assy counterclockwise slowly by hand until it feels firm.



- (d) Then rotate the spiral cable sub-assy clockwise about 2.5 turns to align the marks.

HINT:

The spiral cable sub-assy will rotate about 2.5 turns to both left and right of the center.

15. INSTALL STEERING COLUMN COVER SUB-ASSY LOWER (See page 50-9)
16. INSTALL INSTRUMENT PANEL AIR BAG ASSY (See page 60-54)
17. INSTALL STEERING WHEEL ASSY (See page 50-9)
18. INSPECT STEERING WHEEL CENTER POINT
19. INSTALL HORN BUTTON ASSY (See page 60-17)
20. INSPECT HORN BUTTON ASSY (See page 60-11)
21. INSPECT SRS WARNING LIGHT (See page 05-1184)

SUPPLEMENTAL RESTRAINT SYSTEM

600JU-01

PRECAUTION

CAUTION:

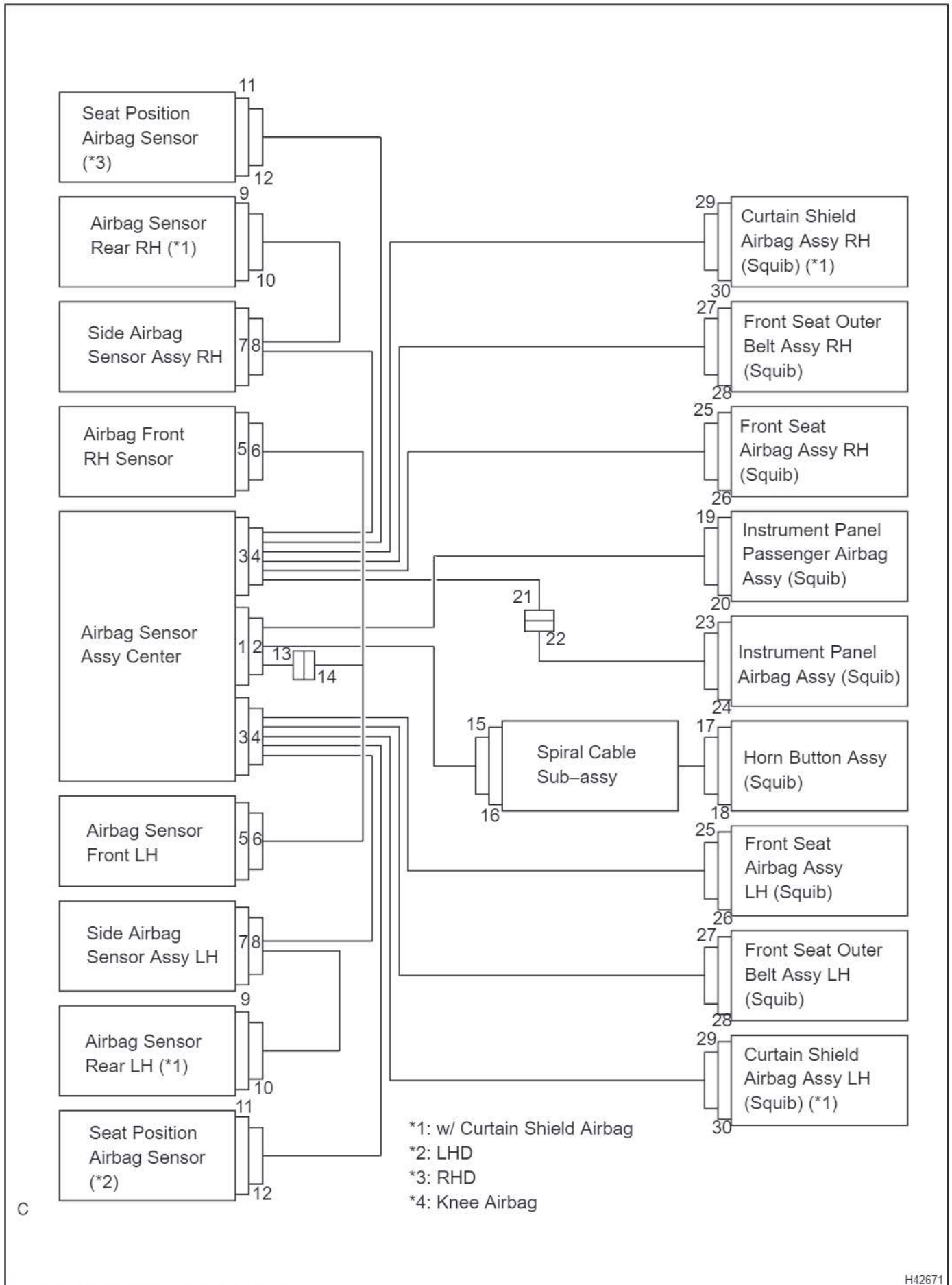
- ▲ AVENSIS is equipped with SRS, which comprises of a driver airbag, front passenger airbag, side airbag, curtain shield airbag and driver knee airbag. Failure to carry out service operations in the correct sequence could cause the SRS to unexpectedly deploy during servicing, possibly leading to serious accident. Further, if a mistake is made in servicing the SRS, it is possible that the SRS may fail to operate when required. Before performing servicing (including removal or installation of parts, inspection or replacement), be sure to read the following items carefully, then follow the correct procedures indicated in the repair manual.
- ▲ Work must be started 90 seconds after the ignition switch is turned to the "LOCK" position and the negative (–) terminal cable is disconnected from the battery.
(The SRS is equipped with a back-up power source so that if work is started within 90 seconds after disconnecting the negative (–) terminal cable of the battery, the SRS may be deployed.)
- ▲ Do not expose the horn button assy, instrument panel passenger airbag assy, instrument panel airbag assy, airbag sensor assy center, airbag front sensor, front seat airbag assy, side airbag sensor assy, curtain shield airbag assy, airbag sensor rear or seat position airbag sensor directly to hot air or flames.

NOTICE:

- ▲ Malfunction symptoms of the SRS are difficult to confirm, so DTCs are the most important information source of information when troubleshooting. When troubleshooting the SRS, always inspect DTCs before disconnecting the battery.
- ▲ Even in the case of a minor collision when the SRS does not deploy, the horn button assy, instrument panel passenger airbag assy, instrument panel airbag assy, airbag sensor assy center, airbag front sensor, front seat airbag assy, side airbag sensor assy, curtain shield airbag assy, airbag sensor rear and seat position sensor must be inspected ([See page 60–11](#)).
- ▲ Before repairs work, remove the airbag sensor if any kind of shock is likely to occur to the sensor during operation.
- ▲ Never use SRS parts from another vehicle. When replacing the parts, replace them with new ones.
- ▲ Never disassemble nor repair the horn button assy, instrument panel passenger airbag assy, instrument panel airbag assy, airbag sensor assy center, airbag front sensor, front seat airbag assy, side airbag sensor assy, curtain shield airbag assy, airbag sensor rear or seat position airbag sensor in order to reuse it.
- ▲ If the horn button assy, instrument panel passenger airbag assy, instrument panel airbag assy, airbag sensor assy center, airbag front sensor, front seat airbag assy, side airbag sensor assy, curtain shield airbag assy, airbag sensor rear or seat position airbag sensor has been dropped, or if there are any cracks, dents or other defects in the case, bracket or connector, replace it with a new one.
- ▲ Use a volt/ohmmeter with high impedance (10 k Ω /V minimum) for troubleshooting the electrical circuits.
- ▲ Information labels are attached to the periphery of the SRS components. Follow the instructions the notice.
- ▲ After work on the SRS is completed, perform the SRS warning light check ([See page 05–1184](#)).

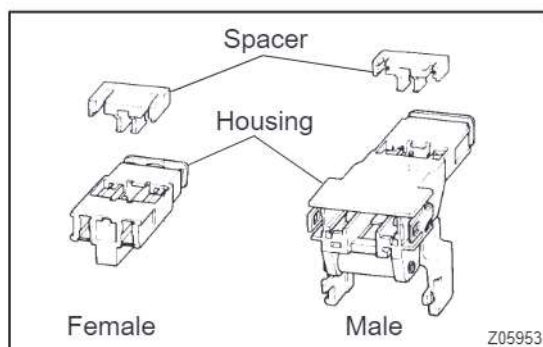
- ▲ When the negative (–) terminal cable is disconnected from the battery, the memory of the clock and audio system will be canceled. So before starting work, make a record of the contents memorized in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. To avoid erasing the memory in each memory system, never use a back-up power supply from outside the vehicle.
- ▲ If the vehicle is equipped with a mobile communication system, refer to the precaution in the INTRODUCTION section.

1. SRS CONNECTORS

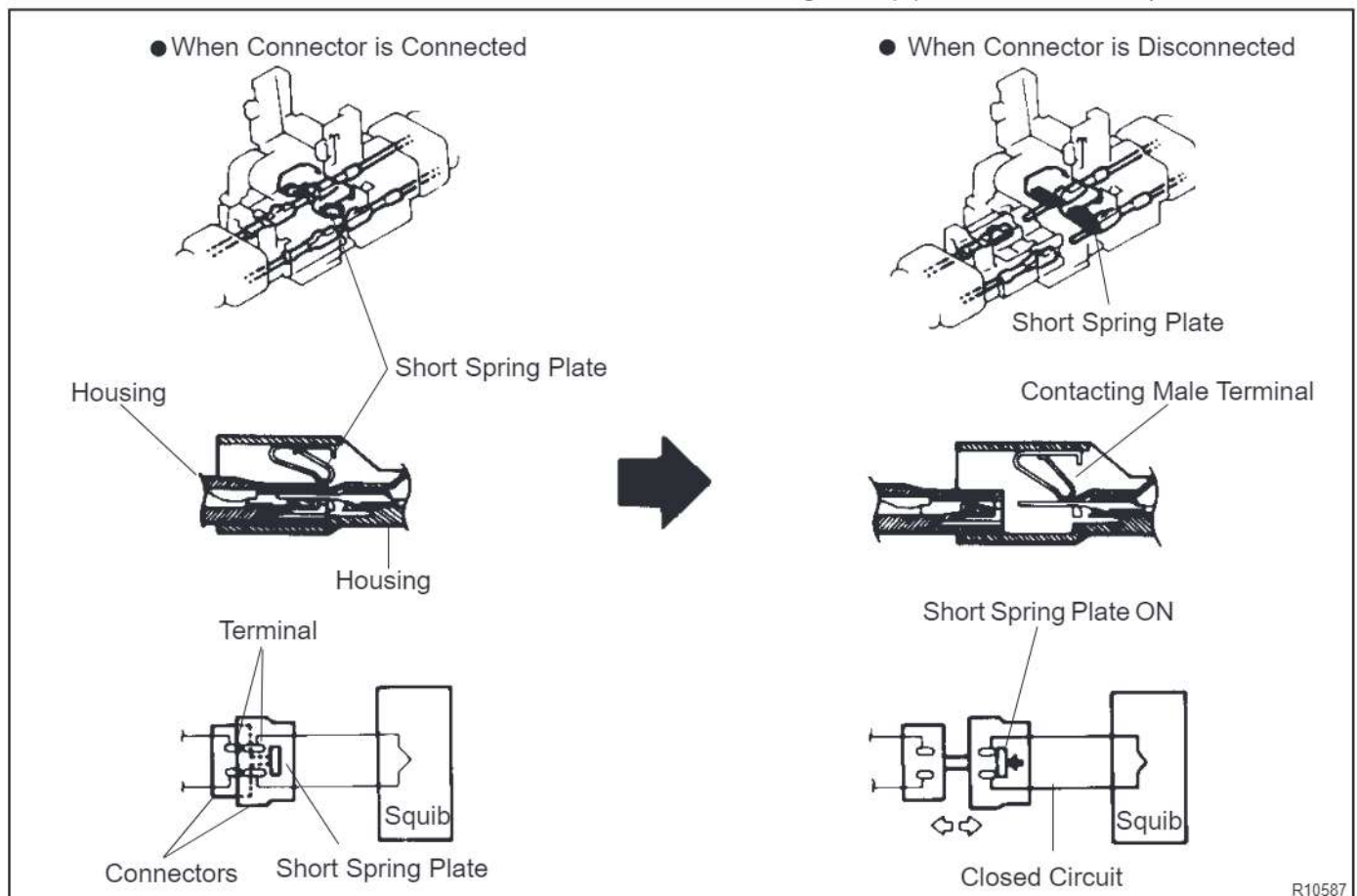


No.	Item	Application
(1)	Terminal Twin-Lock Mechanism	Connectors 2, 4, 6, 8, 10, 12, 13, 14, 15, 19, 21, 22, 25
(2)	Activation Prevention Mechanism	Connectors 2, 4, 16, 18, 20, 22, 24, 26, 28, 30
(3)	Electrical Connection Check Mechanism	Connectors 1, 2, 3, 4
(4)	Half Connection Prevention Mechanism	Connectors 6, 8, 10, 14, 15, 19, 21, 25
(5)	Connector Lock Mechanism	Connectors 17, 23, 27, 29

- (a) All connectors for the SRS are colored in yellow to distinguish them from other connectors. The connectors having special functions and specifically designed for the SRS are used in the locations shown on the previous page to ensure high reliability. These connectors use durable gold-plated terminals.

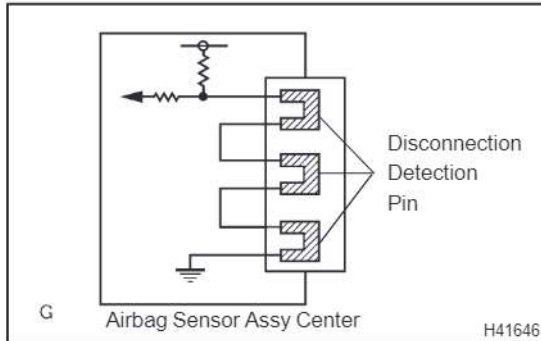


- (1) Terminal twin-lock mechanism:
Each connector has a two-piece component consisting of a housing and a spacer. This design enables the terminal to be locked securely by two locking devices (the retainer and the lance) to prevent terminals from coming out.
- (2) Activation prevention mechanism:
Each connector contains a short spring plate. When the connector is disconnected, the short spring plate automatically connects positive (+) terminal and negative (-) terminal of the squib.

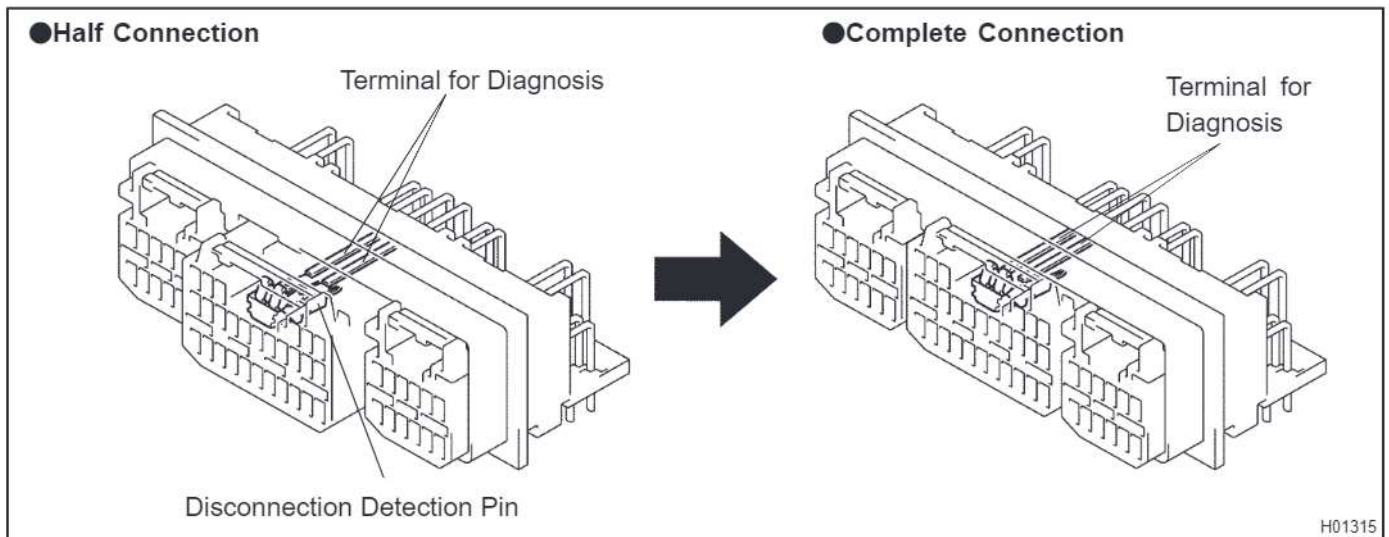


HINT:

The type of connector is shown in the diagram on the previous page.

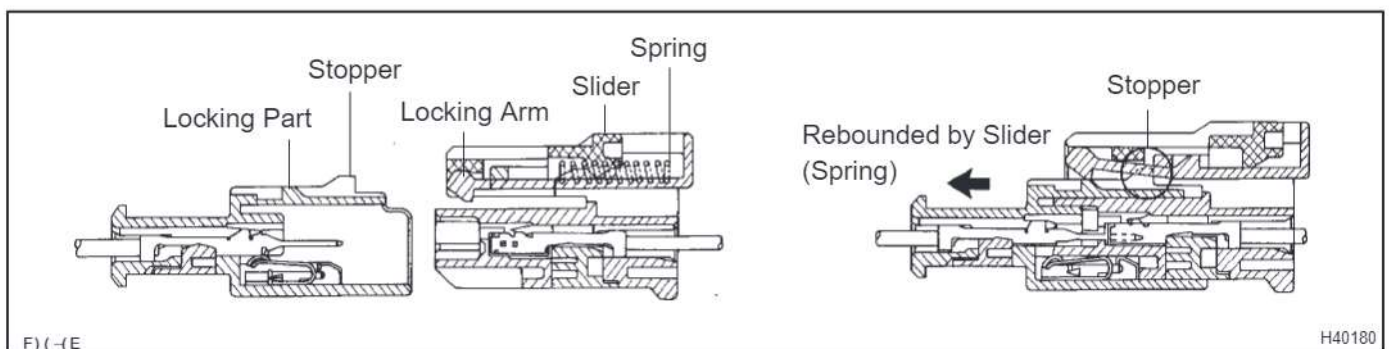


- (3) Electrical connection check mechanism:
This mechanism electrically checks that the connectors are connected correctly and completely. The electrical connection check mechanism is designed so that the disconnection detection pin connects with the diagnosis terminals when the connector housing lock is locked.

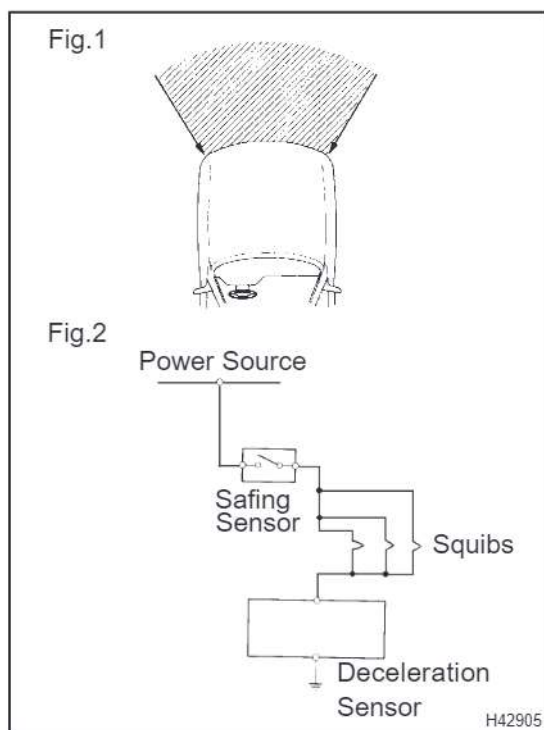
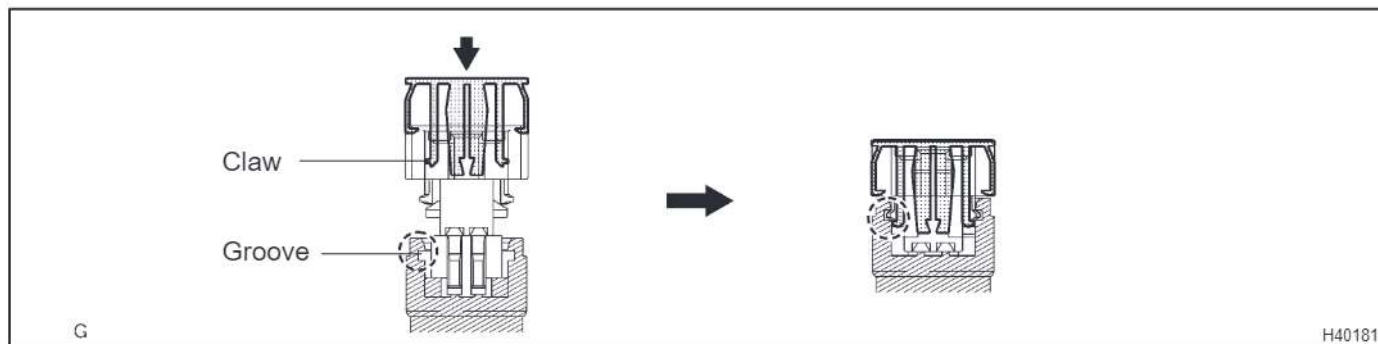
**HINT:**

The connectors shown in this illustration are connectors, "1", "2", "3" and "4" in the step 1.

- (4) Half connection prevention mechanism:
If the connector is not completely connected, the connector is disconnected due to the spring operation to the extent that no continuity exists.



- (5) Connector lock mechanism:
Locking the connector lock button connects the connector securely.



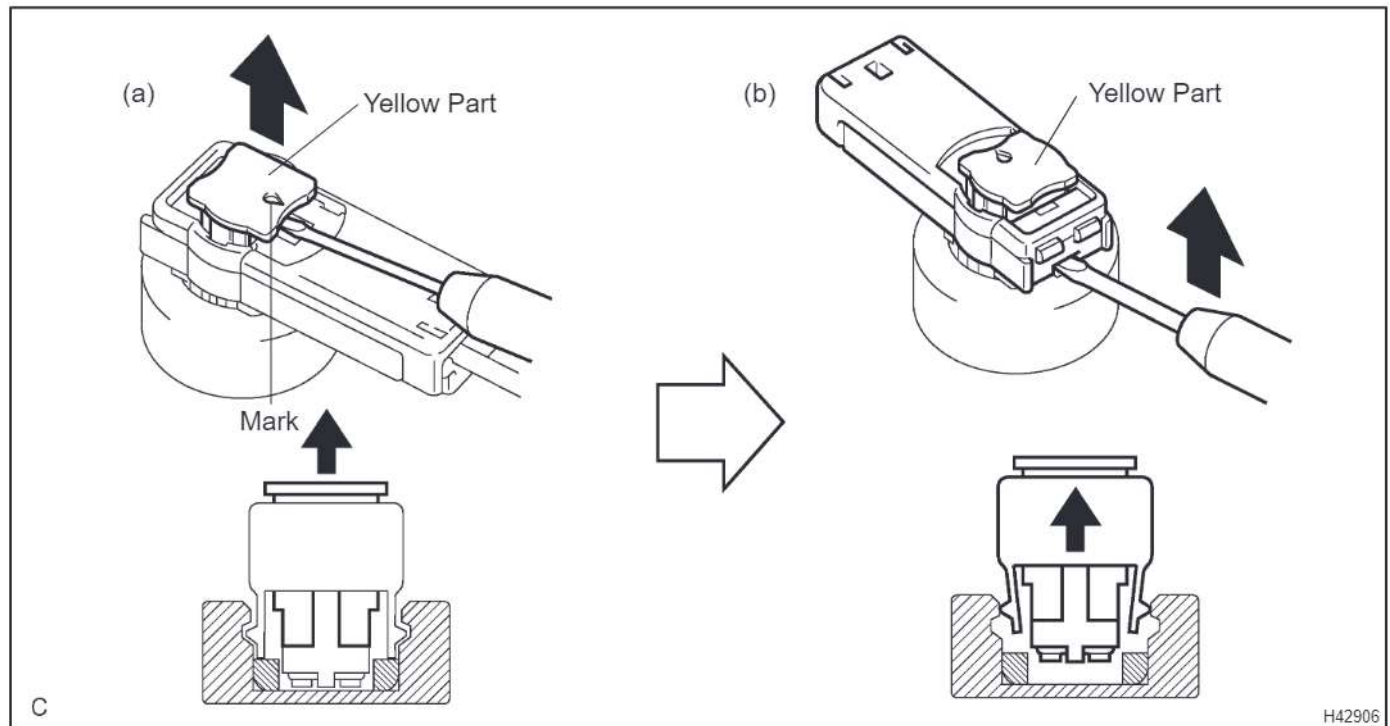
- (b) When the vehicle is involved in a frontal collision in the hatched area (Fig. 1) and the shock is larger than the predetermined level, the SRS is activated automatically. The safing sensor is designed to go on at a smaller deceleration rate than the airbag sensor. As illustrated in the Fig. 2, ignition is caused when current flows to the squib, which happens when the safing sensor and the deceleration sensor go on simultaneously. When a deceleration force acts on the sensors, 3 squibs in the driver airbag, front passenger airbag and knee airbag ignite and generate gas. The gas discharging into the driver airbag, front passenger airbag and knee airbag rapidly increases the pressure inside the bags, breaking the horn button assy and instrument panel. The inflation of the bag then ends, and the bags deflate as the gas is discharged through discharge holes at the bag's rear or side.

2. DISCONNECTION OF CONNECTORS FOR HORN BUTTON ASSY AND CURTAIN SHIELD AIR-BAG ASSY

HINT:

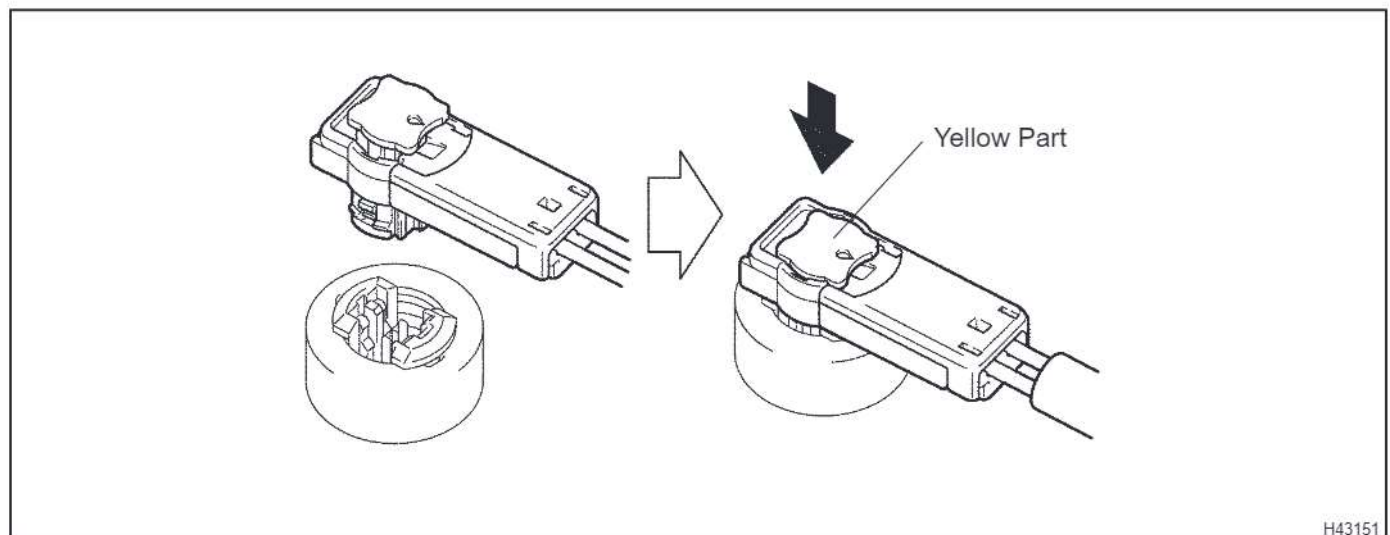
Tape up the screwdriver tip before use.

- (a) Release the yellow part of the connector using a screwdriver.
- (b) Insert a screwdriver tip between the connector and the base, and then lever up connector.



3. DISCONNECTION OF CONNECTORS FOR HORN BUTTON ASSY AND CURTAIN SHIELD AIR-BAG ASSY

- (a) Connect the connector.
- (b) Push down securely on the yellow part of the connector.

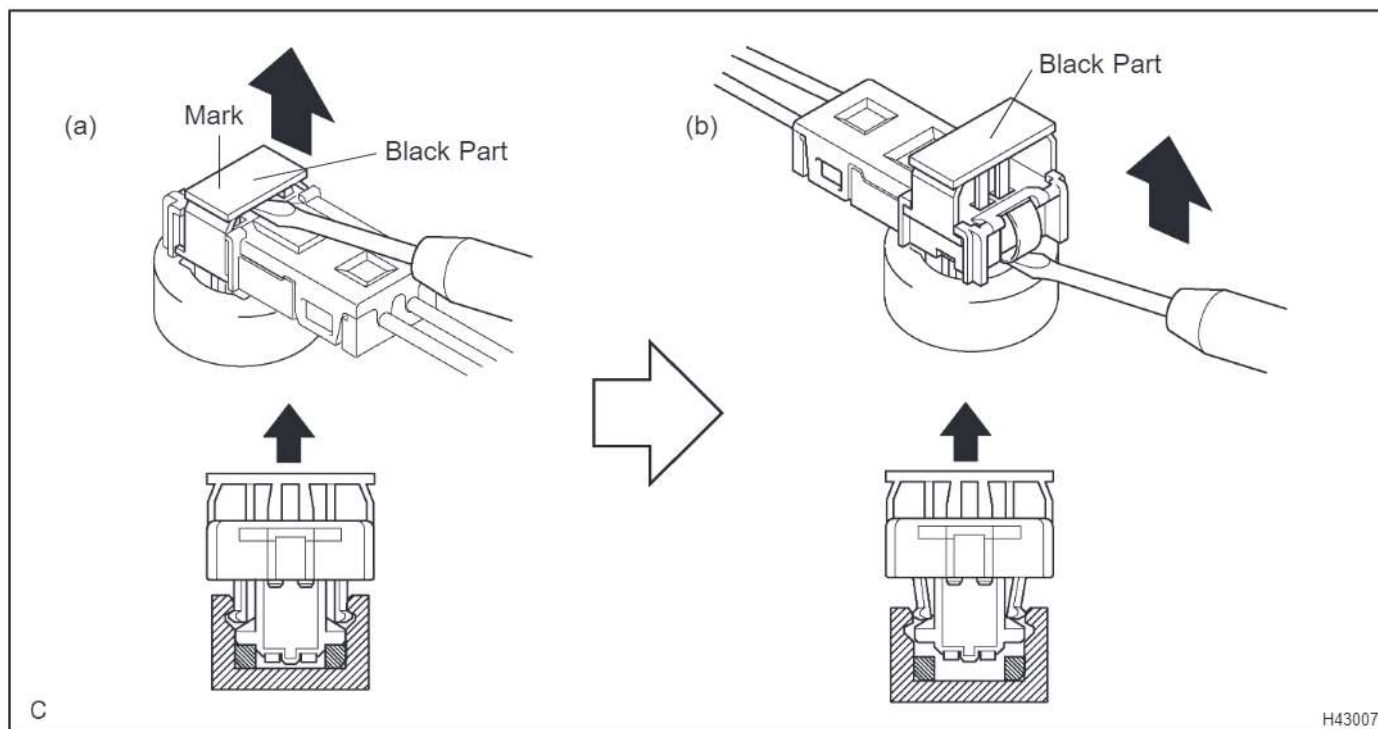


4. DISCONNECTION OF CONNECTORS FOR INSTRUMENT PANEL AIRBAG ASSY

HINT:

Tape up the screwdriver tip before use.

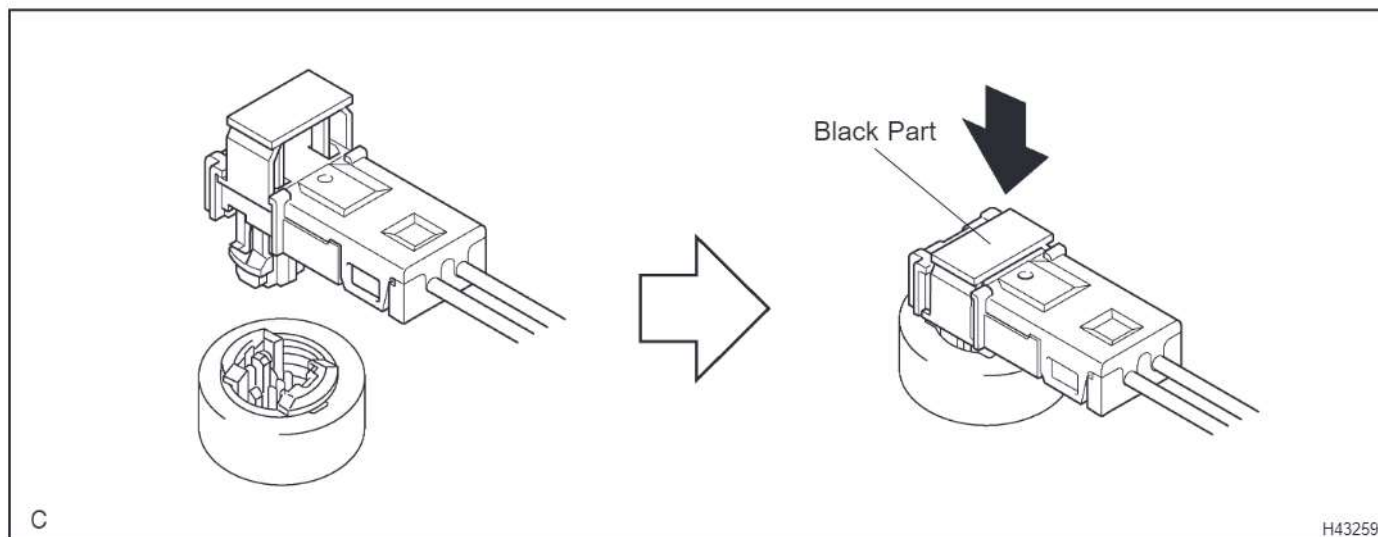
- (a) Release the black part of the connector using a screwdriver.
- (b) Insert a screwdriver tip between the connector and the base, and then lever up connector.



H43007

5. DISCONNECTION OF CONNECTORS FOR INSTRUMENT PANEL AIRBAG ASSY

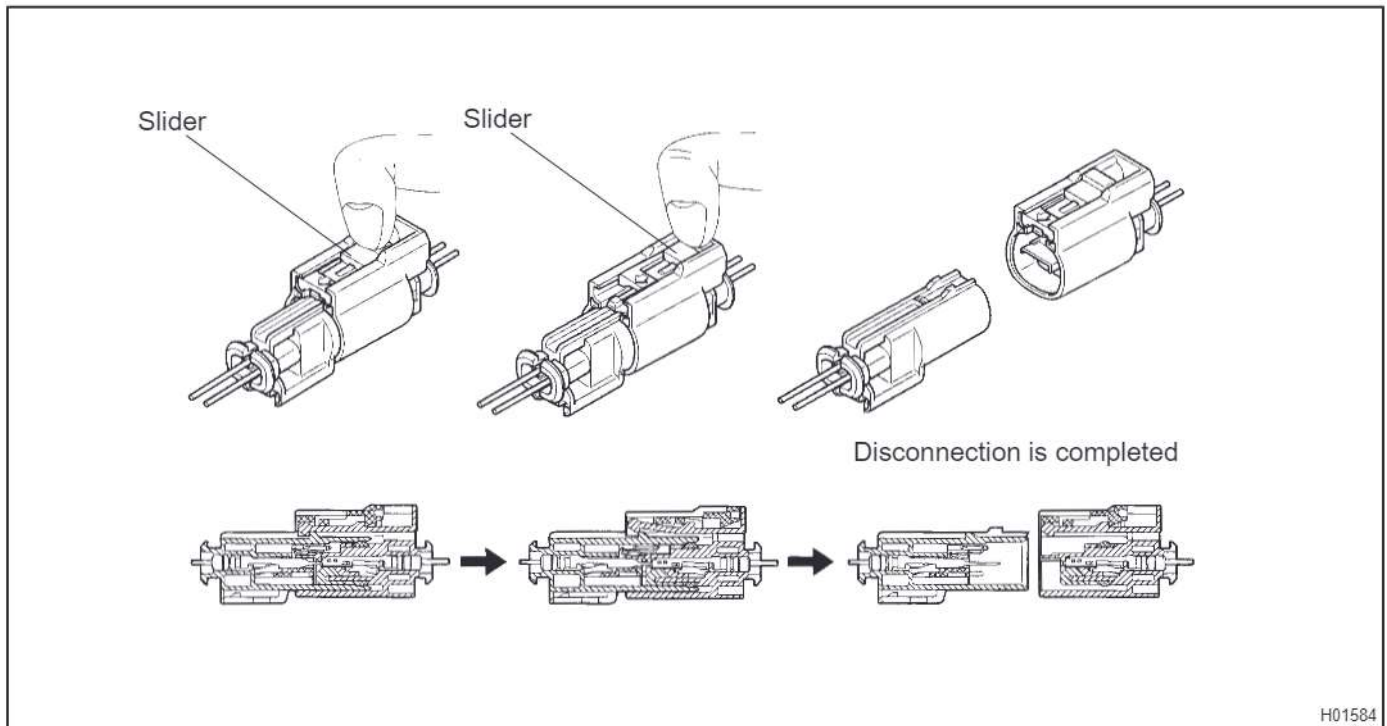
- (a) Connect the connector.
- (b) Push down securely on the yellow part of the connector.



H43259

6. DISCONNECTION OF CONNECTOR FRONT SEAT AIRBAG ASSY

- (a) Place a finger on the slider.
- (b) Slide the slider to release lock.
- (c) Disconnect the connector.



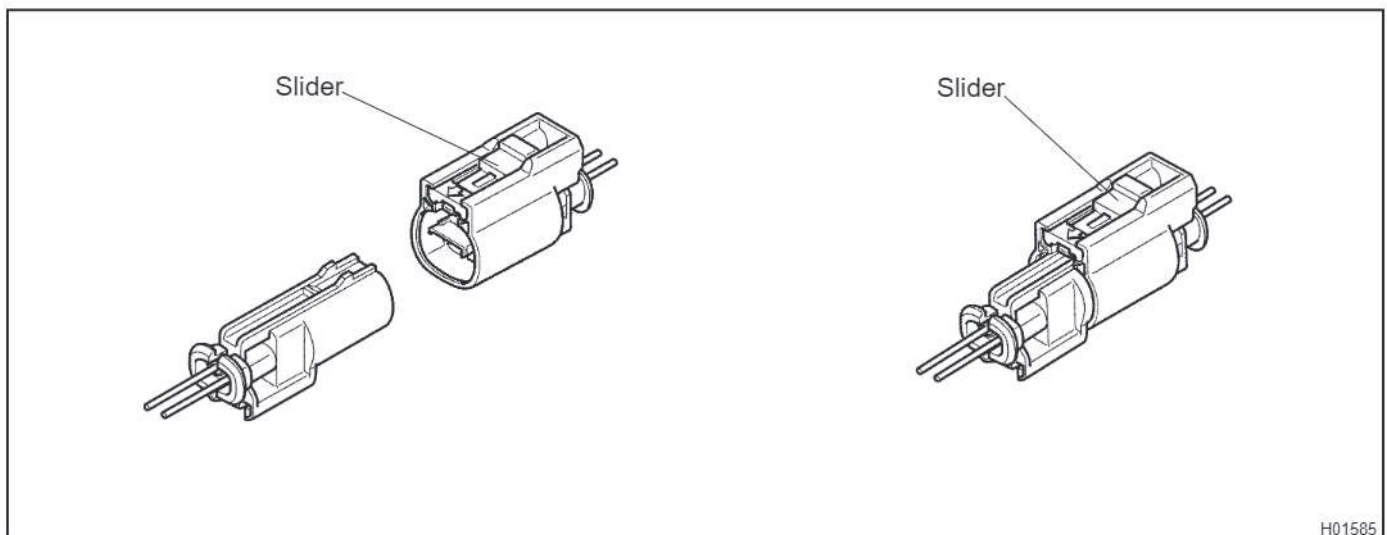
H01584

7. CONNECTION OF CONNECTOR FOR FRONT SEAT AIRBAG ASSY

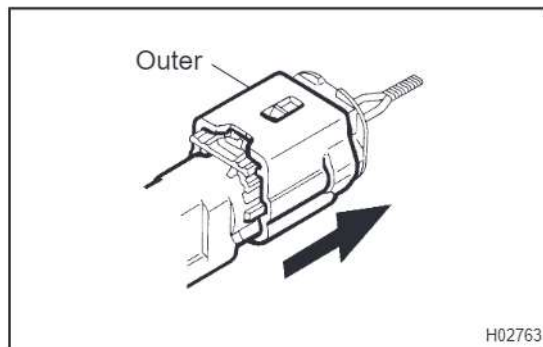
- (a) Align the lock part of the male connector and the slider of the female connector in the same direction as shown in the illustration, connect them without rubbing together.
- (b) Be sure to insert the connectors until they are locked. After connecting them, pull them slightly to check that they are locked. (When locking, make sure that the slider returns to its original position and a click sound can be heard.)

HINT:

When connecting them, the slider slides. Be sure not to touch the slider while connecting, as it may result in an insecure fit.



H01585

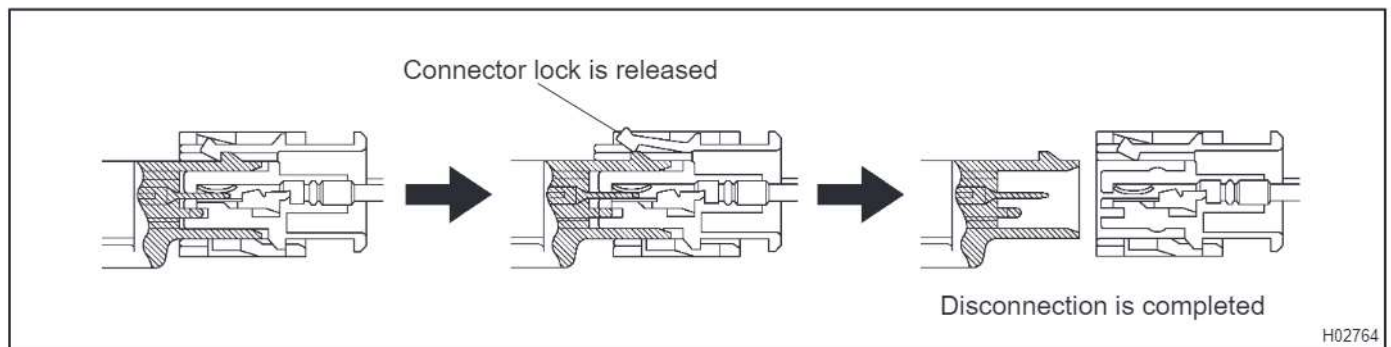


8. DISCONNECTION OF AIRBAG FRONT SENSOR, SIDE AIRBAG SENSOR AND AIRBAG SENSOR REAR CONNECTOR

- (a) While holding both outer flank sides of the outer, slide the outer to the direction shown by the arrow.
- (b) When the connector lock is released, the connectors are disconnected.

HINT:

Be sure to hold both outer flank sides. If the top and bottom sides are held, it will obstruct disconnection.

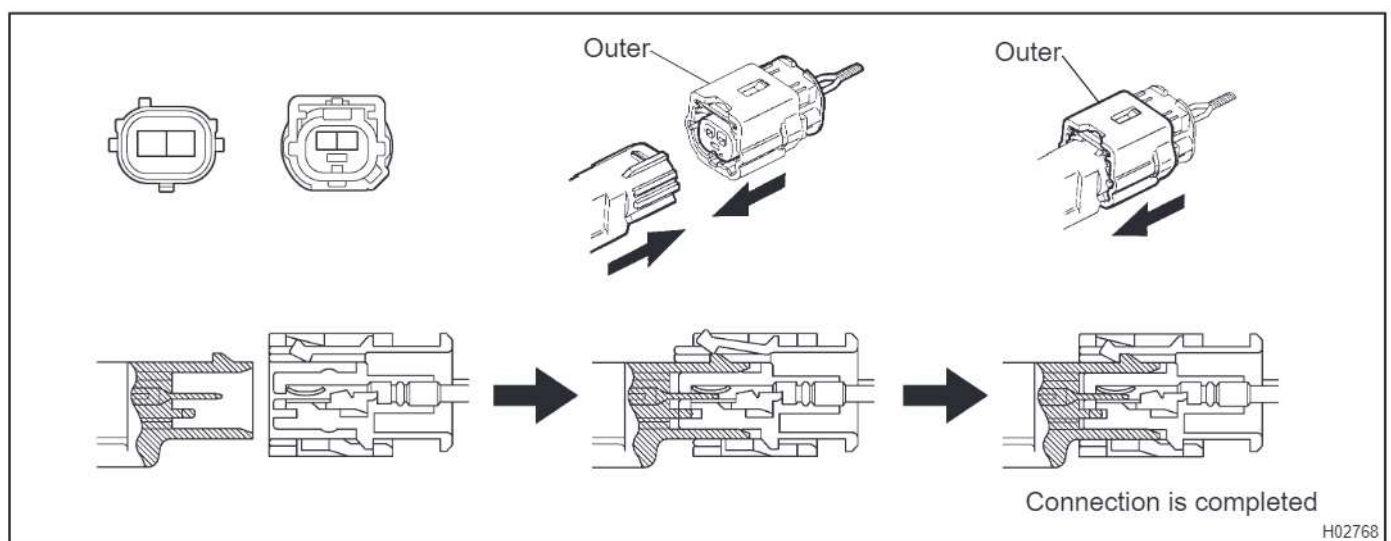


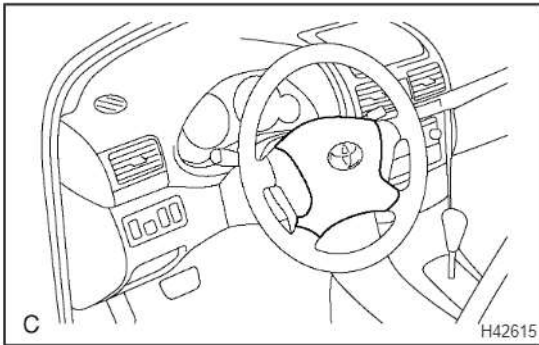
9. CONNECTION OF CONNECTORS FOR AIRBAG FRONT SENSOR, SIDE AIRBAG SENSOR AND AIRBAG SENSOR REAR

- (a) Align the male connector (on the side of sensor) and female connector in the same direction as shown in the illustration and connect them without rubbing together.
- (b) Be sure to insert the connectors until they are locked. After connecting them, pull them slightly to check that they are locked. (When locking, make sure that the outer returns to its original position and a click sound can be heard.)

HINT:

When connecting them, the outer slides. Be sure not to hold the outer while connecting, as it may result in an insecure fit.

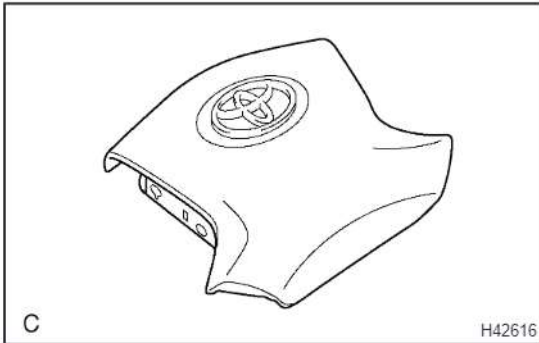




ON-VEHICLE INSPECTION

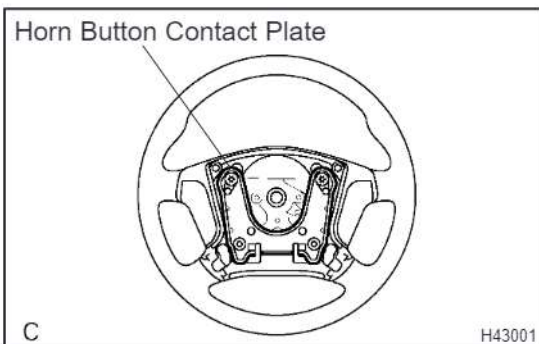
1. HORN BUTTON ASSY (VEHICLES NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05–1184](#)).
- (b) Do a visual check which includes the following items with the horn button assy installed in the vehicle:
Cuts, minute cracks or marked discoloration on the horn button assy top surface and in the grooved portion.



2. HORN BUTTON ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

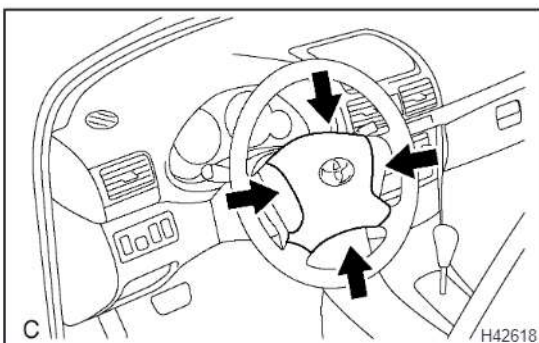
- (a) Do a diagnostic system check ([See page 05–1184](#)).
- (b) Do a visual check of the horn button assy removed from the vehicle:
 - ▲ Cuts, minute cracks or marked discoloration on the horn button assy top surface and in the grooved portion.
 - ▲ Cuts and cracks in wire harness, and chipping in connectors.
 - ▲ Deformation of the horn button assy.



- ▲ The deformation of the horn button contact plate of the steering wheel assy.

HINT:

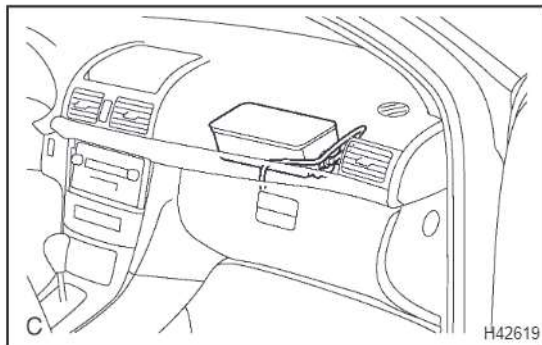
- ▲ If the horn button contact plate of the steering wheel assy is deformed, replace it with a new one. Always replace the steering wheel assy with a new one.
- ▲ Never repair it in order for reuse or replacement.



- ▲ There should be no interference between the horn button assy and steering wheel assy, and the clearance should be uniform all the way around when the new horn button assy is installed on the steering wheel assy.

CAUTION:

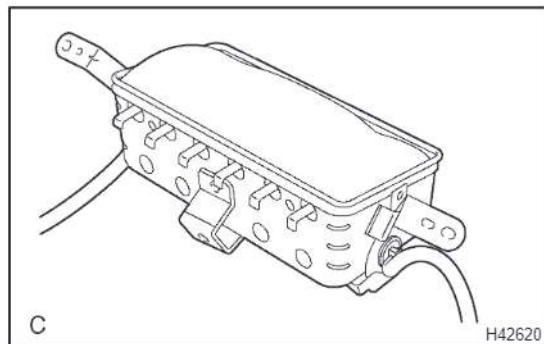
For removal and installation procedures of the horn button assy, [see "Replacement" on page 60–17](#), and be sure to follow the correct procedure.



3. INSTRUMENT PANEL PASSENGER AIRBAG ASSY (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Do a visual check which includes the following items with the instrument panel passenger airbag assy installed in the vehicle:

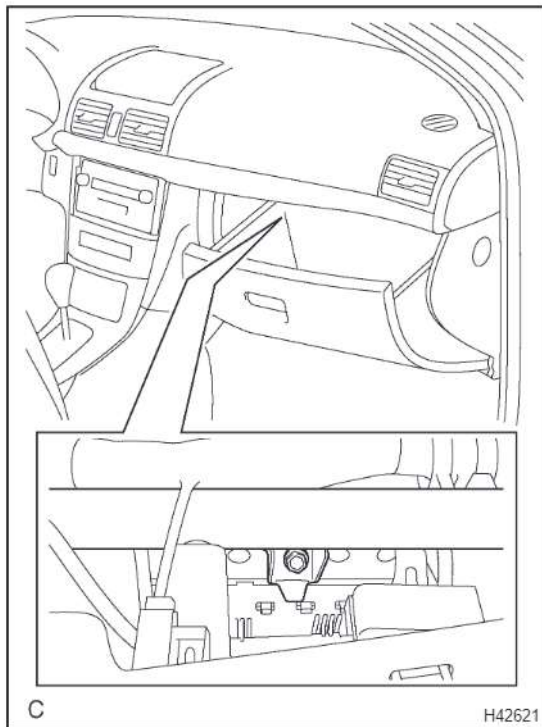
Cuts, minute cracks or marked discoloration on the instrument panel around the instrument panel passenger airbag assy.



4. INSTRUMENT PANEL PASSENGER AIRBAG ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Do a visual check of the instrument panel passenger airbag assy removed from the vehicle:

- ▲ Cuts, minute cracks or marked discoloration on the instrument panel passenger airbag assy.
- ▲ Cuts and cracks in wire harness, and chipping in connectors.
- ▲ Deformation or cracks on the instrument panel and instrument panel reinforcement.



HINT:

- ▲ If the instrument panel or instrument panel reinforcement is deformed or cracked, never repair it. Always replace it with a new one.
- ▲ Never repair it in order for reuse.

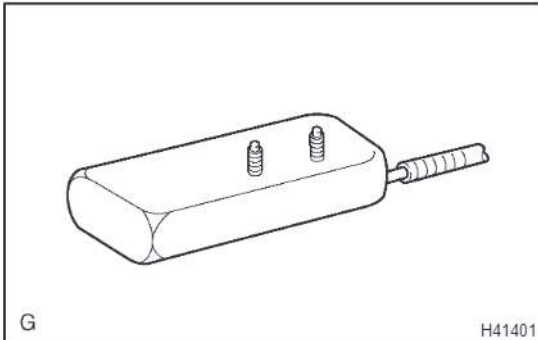
CAUTION:

For removal and installation of procedures the instrument panel passenger airbag assy, [see "Replacement" on page 60-29](#), and be sure to follow the correct procedure.



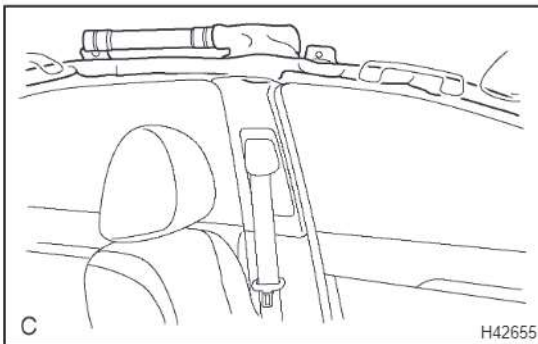
5. FRONT SEAT AIRBAG ASSY (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Do a visual check which includes the following items with the front seat airbag assy installed in the vehicle:
Cuts, minute cracks or marked discoloration on the front seat back assy around the front seat airbag assy.



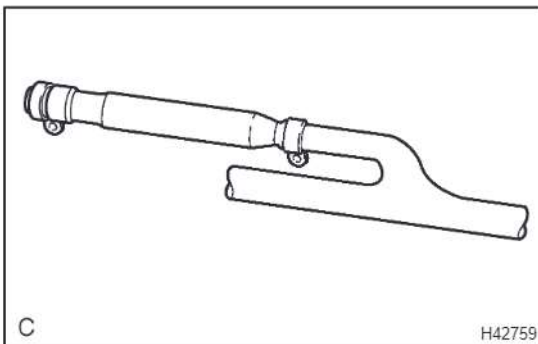
6. FRONT SEAT AIRBAG ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Do a visual check which includes the following items with the front seat airbag assy removed from the vehicle:
 - ▲ Cuts, minute cracks or marked discoloration on the front seat airbag assy.
 - ▲ Cuts and cracks in wire harness, and chipping in connectors.



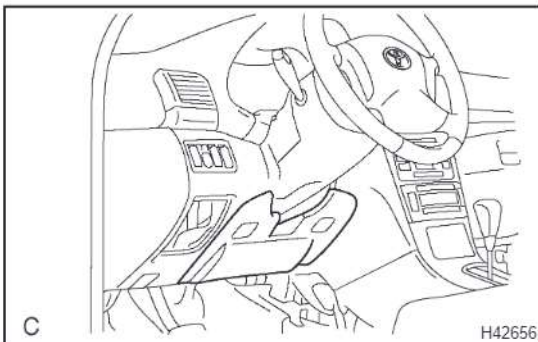
7. CURTAIN SHIELD AIRBAG ASSY (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Do a visual check of the curtain shield airbag assy installed in the vehicle:
Cuts, minute cracks or marked discoloration on the front pillar garnish and roof headlining assy around the curtain shield airbag assy.



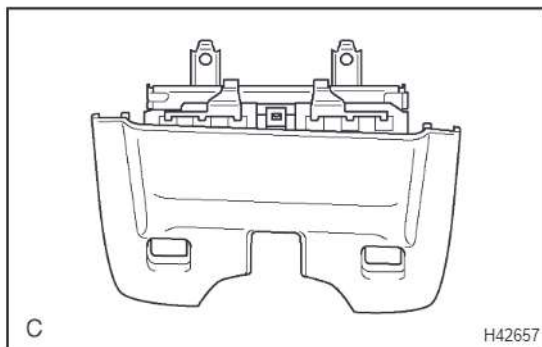
8. CURTAIN SHIELD AIRBAG ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Do a visual check which includes the following items with the curtain shield airbag assy removed from the vehicle:
 - ▲ Cuts, minute cracks or marked discoloration on the curtain shield airbag assy.
 - ▲ Cuts and cracks in wire harness, and chipping in the connectors.



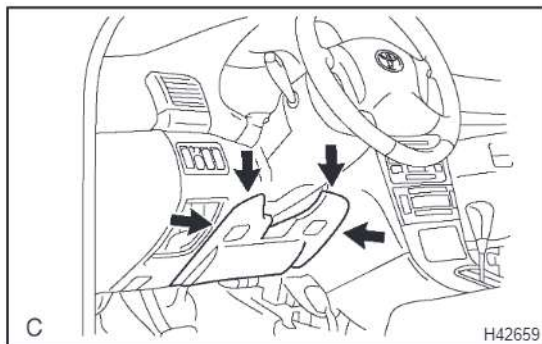
9. INSTRUMENT PANEL AIRBAG ASSY (VEHICLE INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Do a visual check of the instrument panel airbag assy installed in the vehicle:
Cuts, minute cracks or marked discoloration on the instrument panel airbag assy.



10. INSTRUMENT PANEL AIRBAG ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Do a visual check of the instrument panel airbag assy removed from the vehicle:
 - ▲ Cuts, minute cracks or marked discoloration on the instrument panel airbag assy.



HINT:

- ▲ Never repair it in order for reuse or replacement.
- ▲ There should be no interference between the horn button assy and steering wheel assy, and the clearance should be uniform all the around when the new horn button assy is installed on the steering wheel assy.

CAUTION:

For removal and installation procedures of the horn button assy, [see "Replacement" on page 60-54](#), and be sure to follow the correct procedure.

11. AIRBAG SENSOR ASSY CENTER (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).

12. AIRBAG SENSOR ASSY CENTER (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Do a diagnostic system check ([See page 05-1184](#)).

13. AIRBAG SENSOR ASSY CENTER (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

- (a) Replace the airbag sensor assy center ([See page 60-62](#)).

14. AIRBAG FRONT SENSOR (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).

15. AIRBAG FRONT SENSOR (VEHICLE INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) When the headlamp of the vehicle or its periphery is damaged, check if there is any damage to the airbag front sensor. If there are any defects as mentioned below, replace the airbag front sensor with a new one:

If there are any defects as mentioned below, replace the airbag front sensor with a new one:

- ▲ Cracks, dents or chips in the case.
- ▲ Cracks, dents, chips and scratches in the connector.
- ▲ Peeling off of the label or damage to the serial number.

16. AIRBAG FRONT SENSOR (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

- (a) Replace the airbag front sensor assy ([See page 60-64](#)).

17. SIDE AIRBAG SENSOR ASSY (VEHICLES NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).

18. SIDE AIRBAG SENSOR ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) When the center pillar of the vehicle or its periphery is damaged, check if there is any damage to the side airbag sensor. If there are any defects as mentioned below, replace the side airbag sensor with a new one:

If there are any defects as mentioned below, replace the side airbag sensor with a new one:

- ▲ Cracks, dents or chips in the case.
- ▲ Cracks, dents, chips and scratches in the connector.
- ▲ Peeling off of the label or damage to the serial number.

19. SIDE AIRBAG SENSOR ASSY (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

- (a) Replace the front seat airbag assy and side airbag sensor assy ([See page 60-66](#)).

20. AIRBAG SENSOR REAR (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).

21. AIRBAG SENSOR REAR (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS NOT DEPLOYED)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) When the quarter panel of the vehicle or its periphery is damaged, check if there is any damage to the airbag sensor rear. If there are any defects as mentioned below, replace the airbag sensor rear with a new one:

If there are any defects as mentioned below, replace the airbag sensor rear with a new one:

- ▲ Cracks, dents or chips in the case.
- ▲ Cracks, dents, chips and scratches in the connector.
- ▲ Peeling off of the label or damage to the serial number.

22. AIRBAG SENSOR REAR (VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

- (a) Replace the curtain shield airbag assy and airbag sensor rear ([See page 60-68](#)).

23. SEAT POSITION AIRBAG SENSOR (VEHICLES NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).

24. SEAT POSITION AIRBAG SENSOR (VEHICLE INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Do a visual check for damage to the seat position airbag sensor even if the airbag was not deployed:
 - ▲ Cracks, dents or chips in the case.
 - ▲ Cracks, dents, chips and scratches in the connector.

25. WIRE HARNESS AND CONNECTOR (VEHICLE NOT INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).

26. WIRE HARNESS AND CONNECTOR (VEHICLE INVOLVED IN COLLISION)

- (a) Do a diagnostic system check ([See page 05-1184](#)).
- (b) Check for breaks in all wires of the SRS wire harness, and exposed conductors.
- (c) Check to see if the SRS wire harness connectors are cracked or chipped.

HINT:

The SRS wire harness is integrated with the engine room main wire, instrument panel wire floor wire, floor wire No.2 harness assembly.