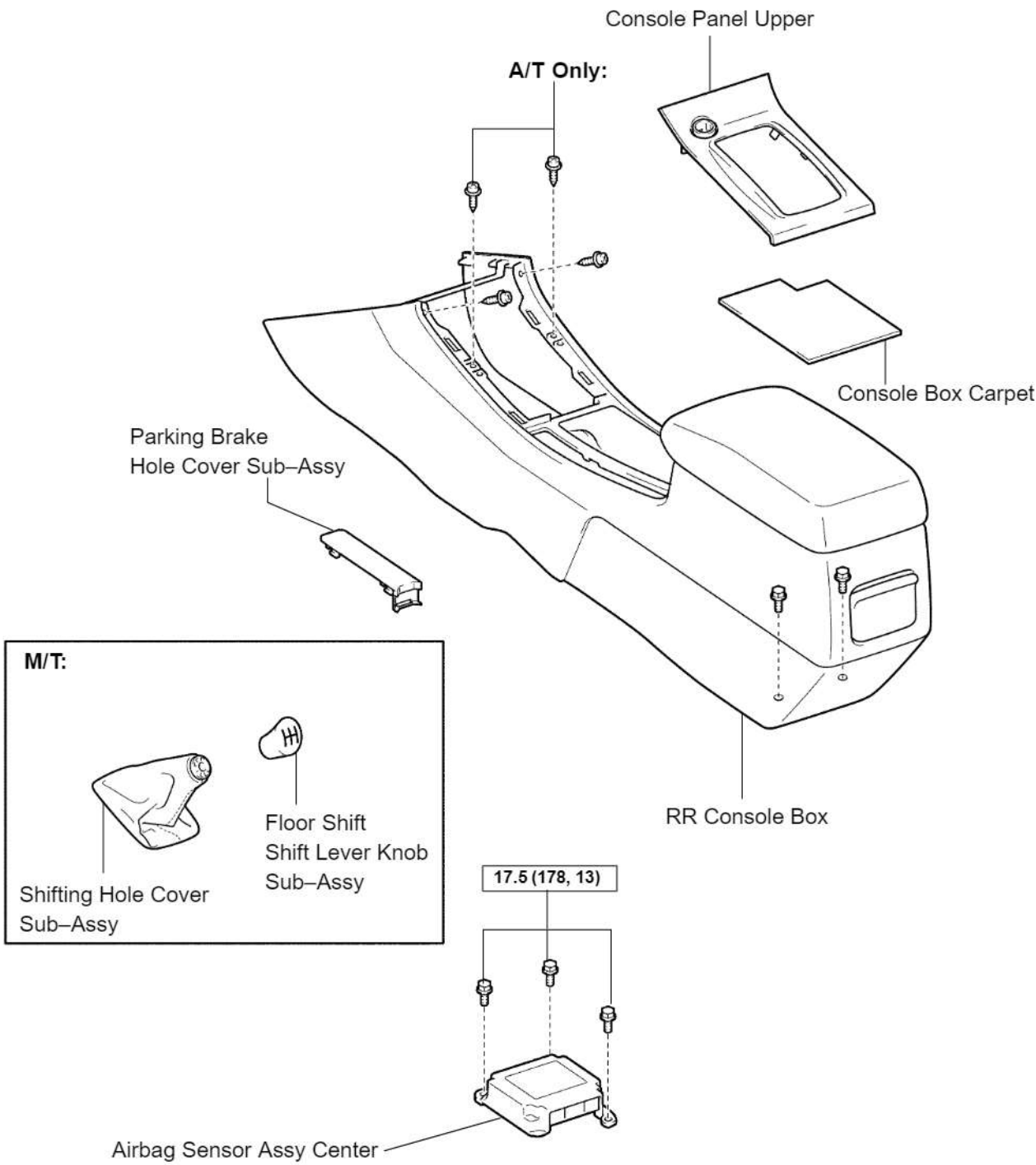


AIR BAG SENSOR ASSY CENTER COMPONENTS

6007Q-02



M/T:



Shifting Hole Cover Sub-Assy



Floor Shift Shift Lever Knob Sub-Assy

17.5 (178, 13)

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

P

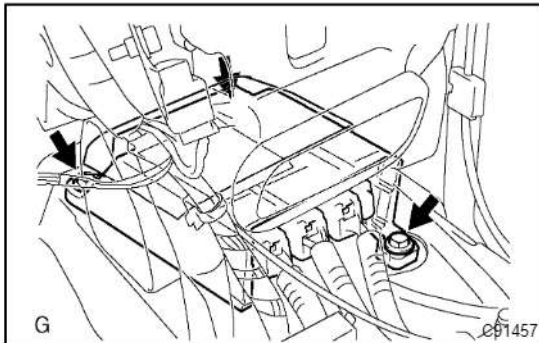
H42051

REPLACEMENT

HINT:

COMPONENTS: See page 60-37

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)
3. **REMOVE PARKING BRAKE HOLE COVER SUB-ASSY** (See page 71-10)
4. **REMOVE FLOOR SHIFT SHIFT LEVER KNOB SUB-ASSY (M/T TRANSAXLE)**
(See page 71-10)
5. **REMOVE SHIFTING HOLE COVER SUB-ASSY (M/T TRANSAXLE)** (See page 71-10)
6. **REMOVE CONSOLE PANEL UPPER** (See page 71-10)
7. **REMOVE CONSOLE BOX CARPET** (See page 71-10)
8. **REMOVE RR CONSOLE BOX** (See page 71-10)



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. INSPECT AIR BAG SENSOR ASSY CENTER (See page 60-8)

11. INSTALL AIR BAG SENSOR ASSY CENTER

- (a) Check that the ignition switch is turned to 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.
- (d) Tighten the 3 bolts to the specified torque.

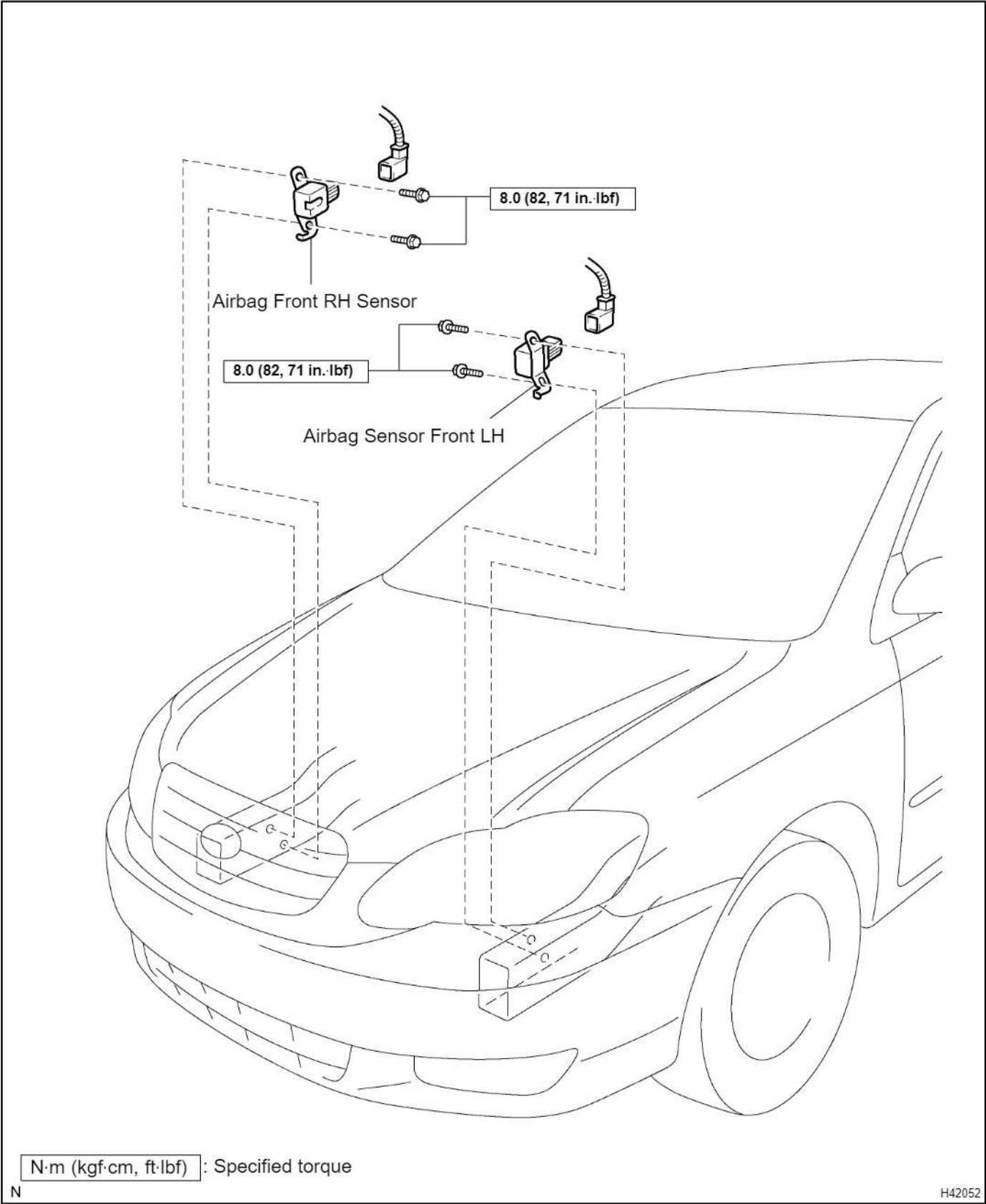
Torque: 17.5 N·m (178 kgf·cm, 13 ft·lbf)

- (e) Connect the connector to the airbag sensor assy center.
- (f) Check that no play is identified.

12. INSPECT SRS WARNING LIGHT (See page 05-424)

AIR BAG FRONT RH SENSOR COMPONENTS

60075-02

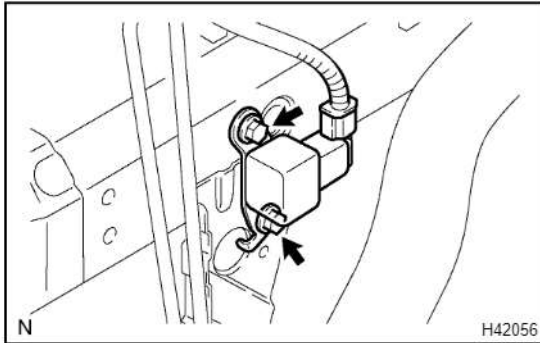


REPLACEMENT

HINT:

COMPONENTS: See page 60-39

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



3. REMOVE AIR BAG FRONT RH SENSOR

- (a) Disconnect the connector from the airbag front RH sensor.
- (b) Remove the 2 bolts and airbag front RH sensor.

4. INSPECT AIR BAG FRONT RH SENSOR (See page 60-8)

5. INSTALL AIR BAG FRONT RH SENSOR

- (a) Check that the ignition switch is turned to 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 front RH sensor with the 2 bolts.

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

- (d) Connect the connector to the airbag front RH sensor.
- (e) Check that no play is identified.

6. INSPECT SRS WARNING LIGHT (See page 05-424)

AIR BAG SENSOR FRONT LH

COMPONENTS

6007U-02

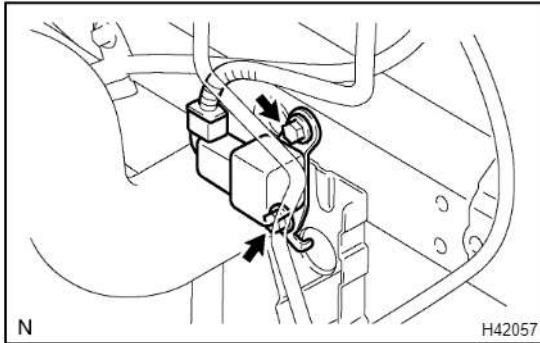
(See page [60-39](#))

REPLACEMENT

HINT:

COMPONENTS: See page 60-39

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



3. REMOVE AIR BAG SENSOR FRONT LH

- (a) Disconnect the connector from the airbag sensor front LH.
- (b) Remove the 2 bolts and airbag sensor front LH.

4. INSPECT AIR BAG SENSOR FRONT LH (See page 60-8)

5. INSTALL AIR BAG SENSOR FRONT LH

- (a) Check that the ignition switch is turned to 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)
- (d) Connect the connector to the airbag sensor front LH.
- (e) Check that no play is identified.

6. INSPECT SRS WARNING LIGHT (See page 05-424)

FRONT SEAT AIRBAG ASSY RH

6007P-03

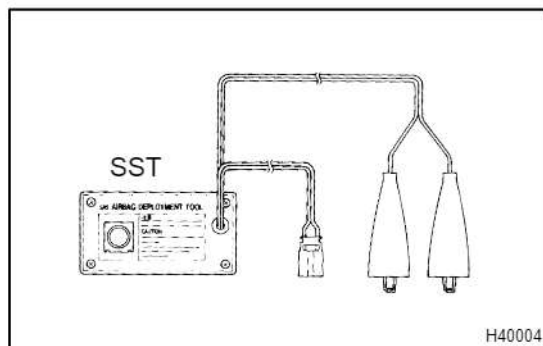
DISPOSAL

HINT:

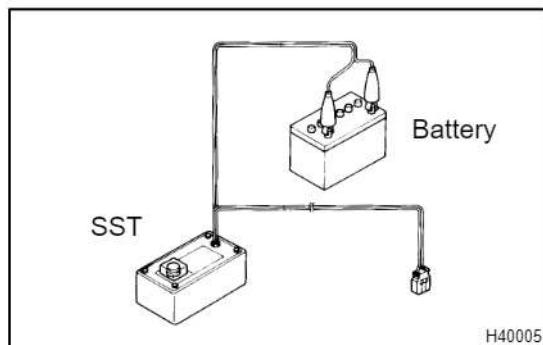
- When scrapping vehicles equipped with an SRS or disposing of the front seat airbag assy always first deploy the airbag in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.
- When disposing of a front seat airbag assy with an airbag deployed in a collision, follow the same procedure given in step 1-(e) in "DISPOSAL".

CAUTION:

- Never dispose of a front seat airbag assy which has an undeployed airbag.
- The airbag produces a sizeable exploding sound when it deploys, so perform the operation out of doors and where it will not create a nuisance to nearby residents.



- When deploying the airbag, always use the specified SST (SRS Airbag Deployment Tool), perform the operation in a place away from electrical noise.
- When deploying an airbag, perform the operation at least 10 m (33 ft) away from the airbag assy.
- The front seat 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 front seat airbag assy with the deployed airbag.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a front seat airbag assy with the deployed airbag.

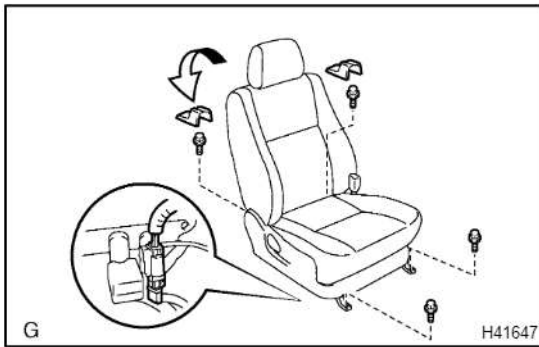


1. DISPOSE FRONT SEAT AIRBAG ASSY RH (WHEN SCRAPPING VEHICLE DEPLOYMENT METHOD)

HINT:

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

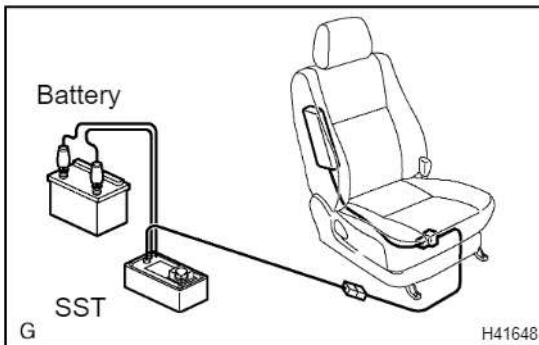
- (a) Check the function of SST (See step 1-(a) on page 60-14).



(b) Disconnect the front seat airbag assy connector.

NOTICE:

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



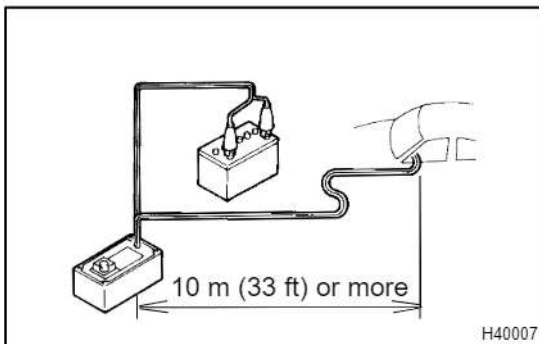
(c) Set SST.

- (1) Connect the connectors of the 2 SST to the front seat airbag assy connector.

SST 09082-00700, 09082-00750

NOTICE:

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



- (2) Move the SST 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 wire harness.

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

(d) Deploy the airbag.

- (1) Check that no one is inside the vehicle or within 10 m (33 ft) area around the vehicle.
- (2) Press the SST activation switch and deploy the airbag.

HINT:

The airbag deploys simultaneously when the LED of SST activation switch lights up.

(e) Dispose of the front seat airbag assy.

CAUTION:

- The front seat airbag assy is very hot when the airbag is deployed, so leave it for at least 30 minutes after deployment.
- Use gloves and safety glasses when handling a front seat airbag assy with the deployed airbag.
- Do not apply water, etc. to a front seat 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 front seat airbag assy being installed.

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

NOTICE:

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

HINT:

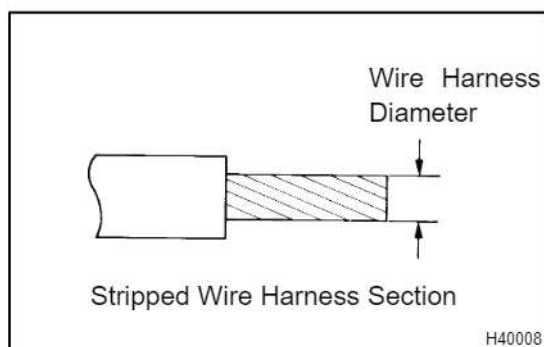
Prepare a battery for the power source to deploy the airbag.

(a) Remove the front seat airbag assy.

- (1) Remove the 2 nuts and front seat airbag assy from the seatback assembly.

CAUTION:

Store the front seat airbag assy with the airbag deployment side facing upward.



- (b) Using a service-purpose wire harness, tie down the front seat airbag assy.

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

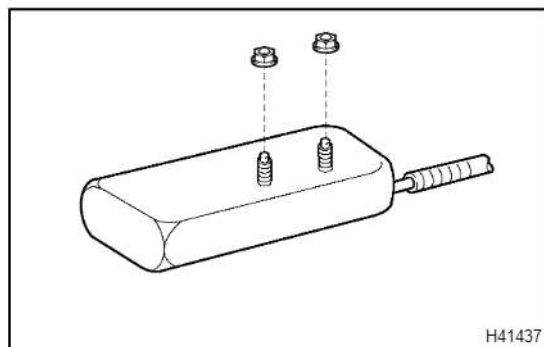
CAUTION:

If the wire harness is too thin or some other things are used to tie down the front seat airbag assy, it may be snapped by the shock when the airbag is deployed. This is highly dangerous. Be sure to use of wire harness which is at least 1.25 mm² (0.0019 in²).

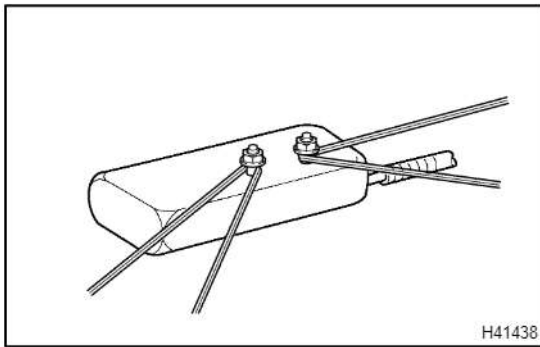
HINT:

To calculate the area of the stripped wire harness section :

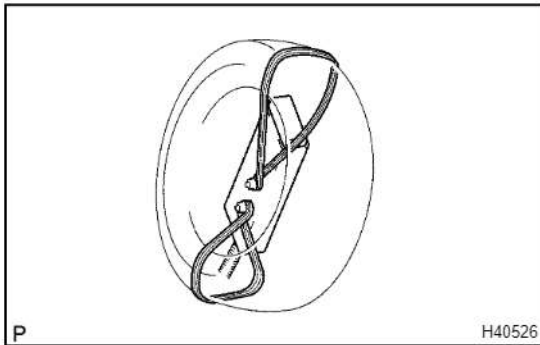
$$\text{Area} = 3.14 \times (\text{Diameter})^2 \text{ divided by } 4$$



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



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



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

Tire size : Must exceed the following dimensions:-

Width 185 mm (7.28 in.)

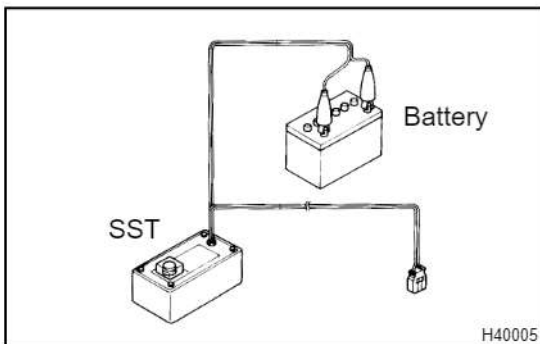
Inner diameter 360 mm (14.17 in.)

CAUTION:

- Make sure the wire harness is tight. It is very dangerous when loosened wire harness results in the front seat airbag assy coming free due to the shock from the airbag deployment.
- Always tie down the front seat airbag assy with the airbag facing inside.

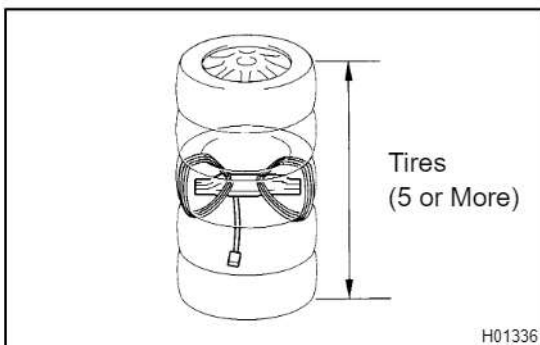
NOTICE:

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

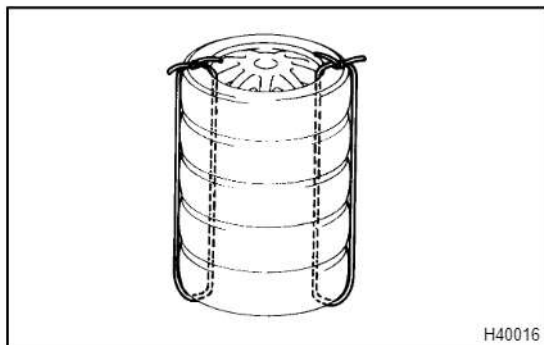


- (c) Check the function of SST (See step 1-(a) on page 60-14)

SST 09082-00700



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



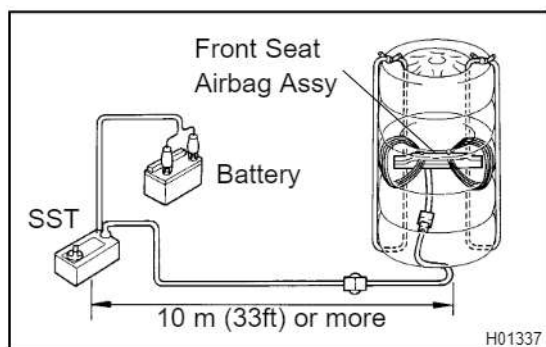
- (3) Tie the tires together with 2 wire harnesses.

CAUTION:

Make sure that the wire harnesses are tight. It is very dangerous when loosened wire harnesses results in the tires coming free due to the shock from the airbag deploying.

HINT:

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



- (e) Set SST.

Connect the connector of the 2 SST to the front seat airbag assy connector.

SST 09082-00700, 09082-00750

NOTICE:

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

- (f) Deploy the airbag.

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

HINT:

The airbag deploys simultaneously when the LED of the SST activation switch lights up.



- (g) Dispose of the front seat airbag assy.

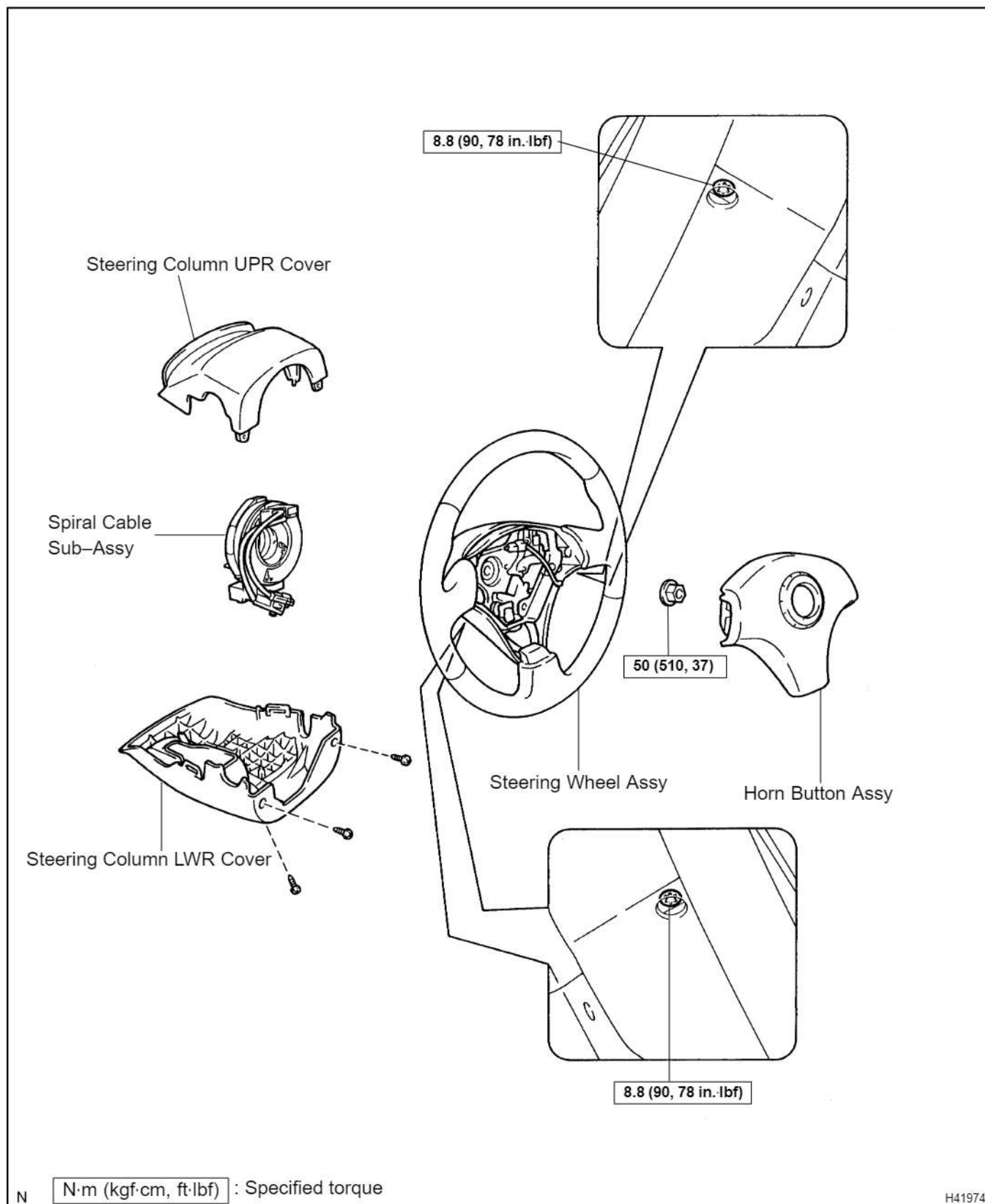
CAUTION:

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

HORN BUTTON ASSY (April, 2003)

COMPONENTS

6007E-03



H41974

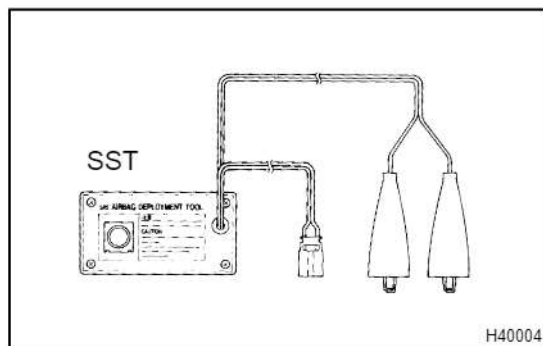
DISPOSAL

HINT:

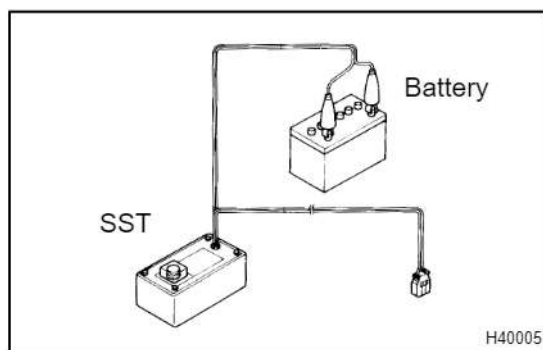
When scrapping vehicle equipped with an SRS or disposing of a horn button assy, always first deploy the airbag in accordance with the procedure described below. If any abnormality occurs in the airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.

CAUTION:

- Never dispose of a horn button assy which has an un-deployed airbag.
- The airbag produces a sizeable exploding sound when it deploys, so perform the operation out of doors and the place where it will not create a nuisance to nearby residents.



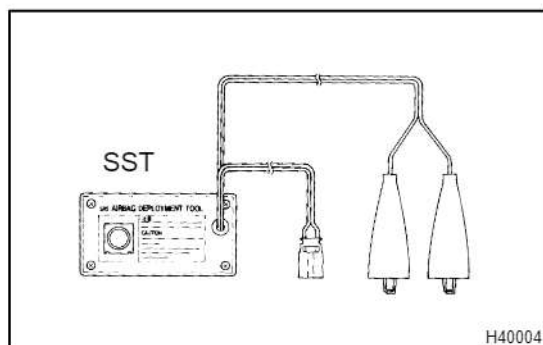
- When deploying the airbag, always use the specified SST (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
- When deploying an airbag, perform the operation at least 10 m (33 ft) away from the horn button assy.
- The horn button assy is very hot when the airbag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



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

HINT:

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

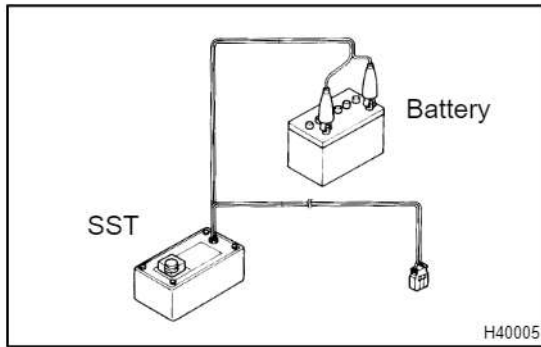


(a) Check the function of SST.

CAUTION:

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

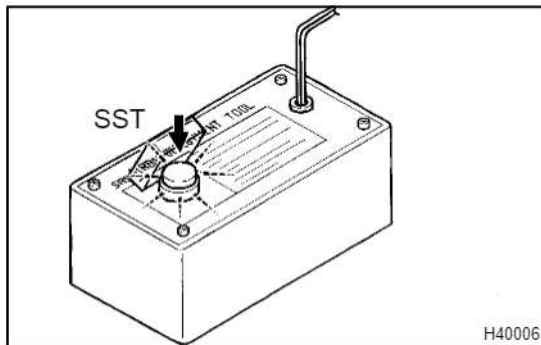
SST 09082-00700



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

HINT:

Do not connect the yellow connector which will be connected with the supplemental restraint system.

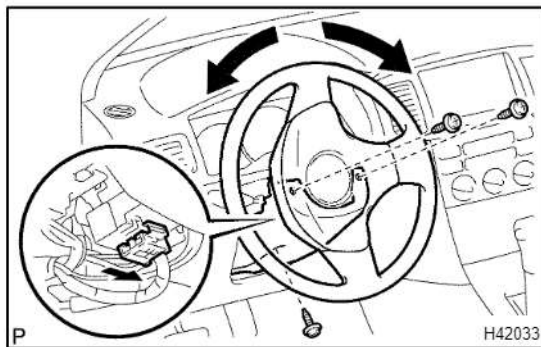


- (2) Check the function of SST.
Press the SST activation switch, and check that the LED of the SST activation switch lights up.

CAUTION:

If the LED lights up when the activation switch is not being pressed, SST malfunction is probable, so definitely do not use the SST.

- (3) Disconnect the SST from the battery.

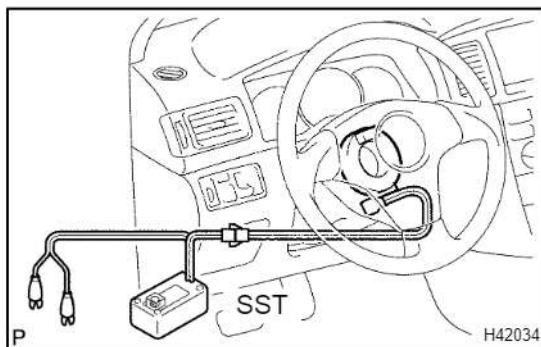


- (b) Set SST.

CAUTION:

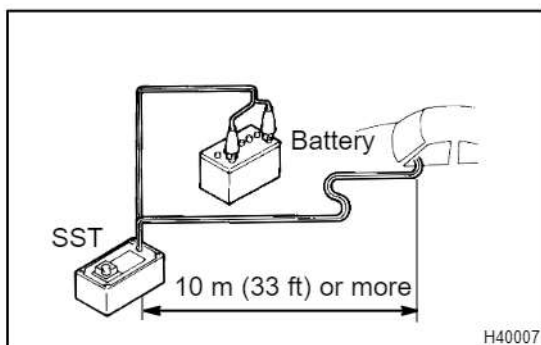
Check that there is no looseness in the steering wheel and horn button assy.

- (1) While turning the steering wheel to the right / left, remove the 3 screws and column lower cover.
- (2) Disconnect the airbag connector of the spiral cable.



- (3) Connect the connectors of the 2 SST to the airbag connector of the spiral cable back side.

SST 09082-00700, 09082-00780



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

NOTICE:

Take care not to damage the SST wire harness.

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

- (c) Deploy the airbag.
 - (1) Confirm that no one is inside the vehicle or within 10 m (33 ft) area around the vehicle.
 - (2) Press the SST activation switch and deploy the airbag.

HINT:

The airbag deploys simultaneously when the LED of the SST activation switch lights up.

- (d) Dispose of the horn button assy (with airbag).

CAUTION:

- The horn button assy is very hot when the airbag is deployed, so leave it for at least 30 minutes after deployment.
- When moving a vehicle which has a horn button assy with deployed airbag for scrapping, use gloves and safety glasses.
- Use gloves and safety glasses when handling a horn button assy with the deployed airbag.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a horn button assy attached on 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 (with airbag) only, never use the customers vehicle to deploy the airbag.
- Be sure to follow the procedure given below when deploying the airbag.

HINT:

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

- (a) Remove the horn button assy (See page 60-13).

CAUTION:

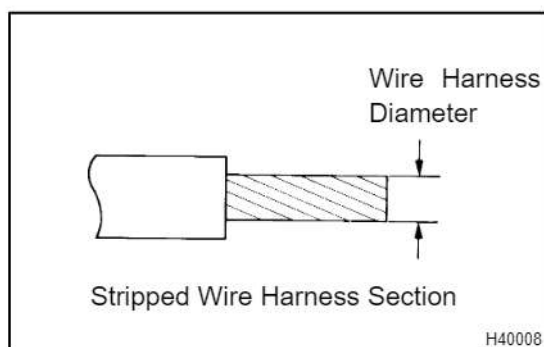
When storing the horn button assy, keep the upper surface of the pad facing upward.

- (b) Using a service-purpose wire harness, 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 the wire harness is too thin or some other things are used to tie down the horn button assy, it may be snapped by the shock when the airbag is deployed. This is highly dangerous. Be sure to use the wire harness which is at least 1.25 mm² (0.0019 in²).

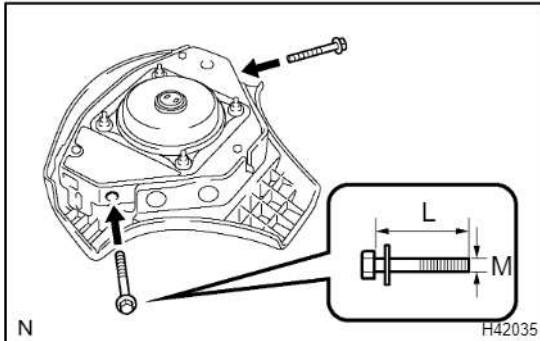


H40008

HINT:

To calculate the area of the stripped wire harness section:

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



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

Bolt:

L: 35.0 mm (1.387 in.)

M: 6.0 mm (0.236 in.)

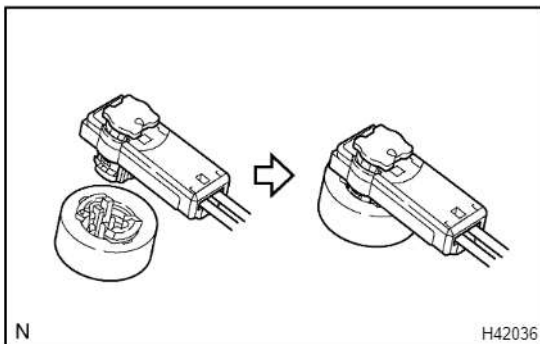
Pitch: 1.0 mm (0.039 in.)

NOTICE:

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

- (2) Connect the connectors of the SST to the horn button assy connectors.

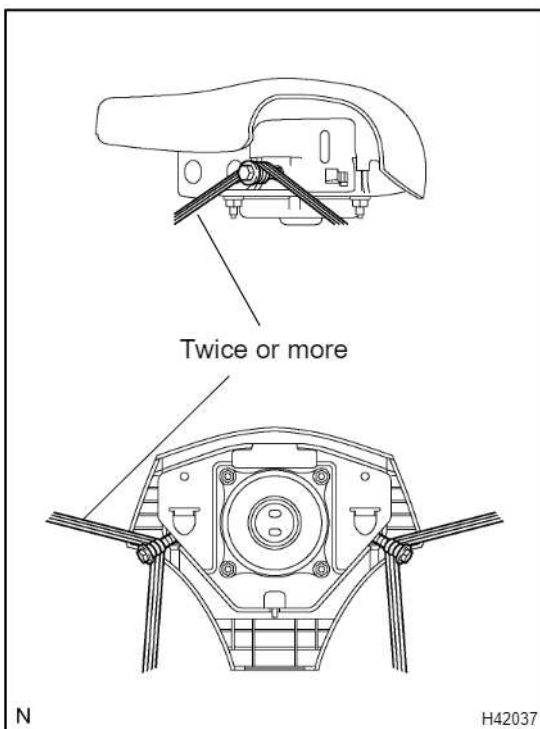
SST 09082-00802 (09082-10801, 09082-30801)

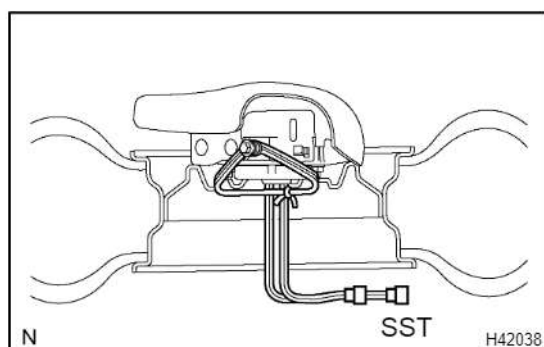


- (3) Using 3 wire harness, wind the wire harness at least twice each around the bolts installed on the left and right sides of the horn button assy.

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 come loose due to the shock when the air-bag 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 horn button assy connector so that it hangs downward through a hub hole in the disc wheel.

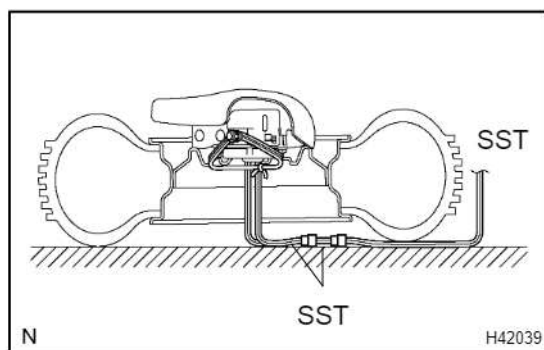
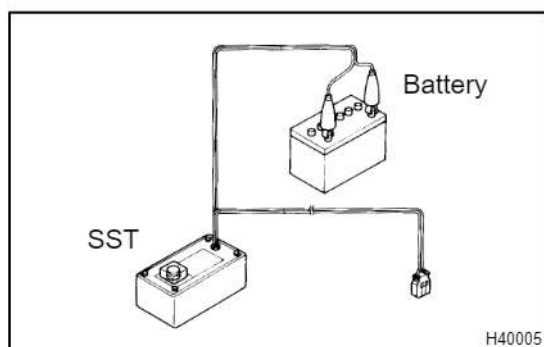
CAUTION:

- Make sure that the wire harness is tight. It is very dangerous when the loosened wire harness results in the horn button assy coming free through the shock from the airbag deployment.
- Always tie down the horn button assy with the pad side facing upward. It is very 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 from the airbag deployment and the horn button assy will be flown into the air.

NOTICE:

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

- (c) Check the function of SST (See step 1-(a)).



- (d) Set SST.

CAUTION:

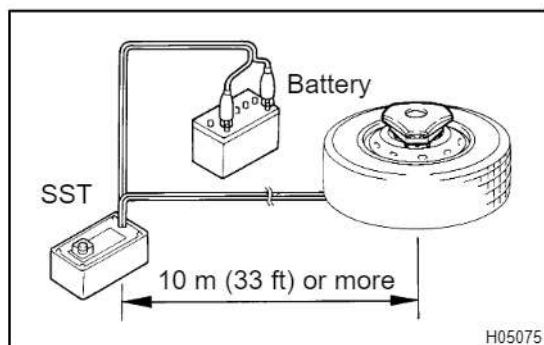
Place the disc wheel on the level ground.

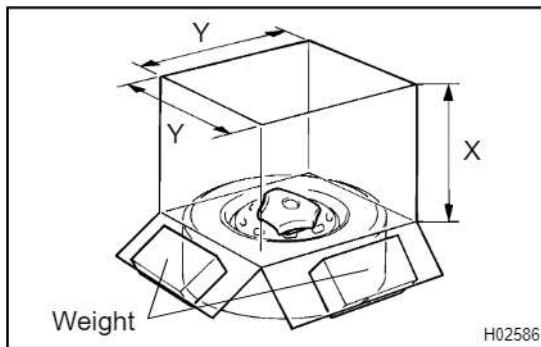
- (1) Connect the connector of the SST.
SST 09082-00700

NOTICE:

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

- (2) Move the SST at least 10 m (33 ft) away from the horn button assy tied down on 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 weight the cardboard box down in 4 places with at least 190 N (20 kg, 44 lb).

Size of cardboard box:

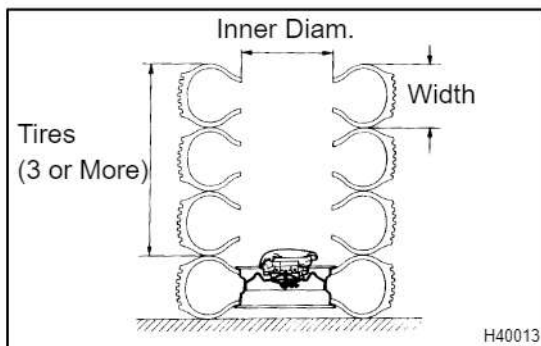
Must exceed the following dimensions:

X = 460 mm (18.11 in.)

Y = 650 mm (25.59 in.)

NOTICE:

- When 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 mm (18.11 in.) + 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 without disc wheel on top of the disc wheel with tire to which the horn button assy is tied.

Tire size: Must exceed the following dimensions–

Width: 185 mm (7.28 in.)

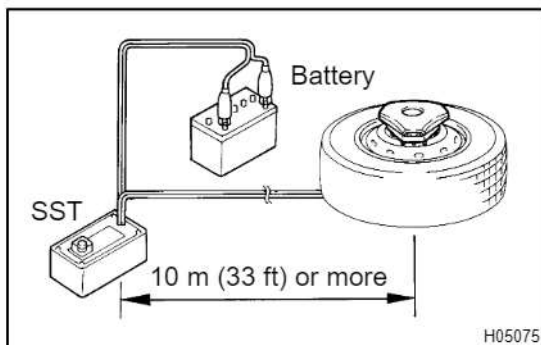
Inner diameter: 360 mm (14.17 in.)

CAUTION:

Do not use tires with disc wheels.

NOTICE:

The tires may be marked by the airbag deployment, so use the redundant tires.

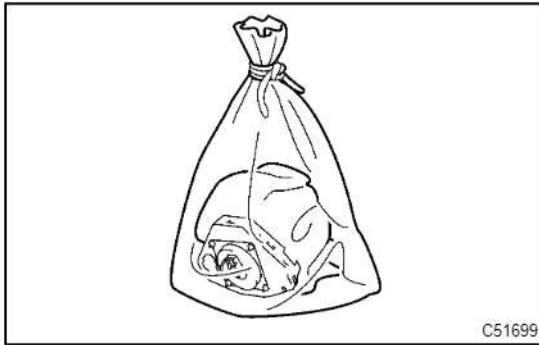


- (f) Deploy the airbag.

- Connect the SST red clip to the battery positive (+) terminal and the black clip to the battery negative (–) terminal.
- Check that no one is within 10 m (33 ft) area around the disc wheel which the horn button assy is tied to.
- Press the SST activation switch and deploy the airbag.

HINT:

The airbag deploys simultaneously when the LED of the SST activation switch lights up.



(g) Dispose of the horn button assy (with airbag).

CAUTION:

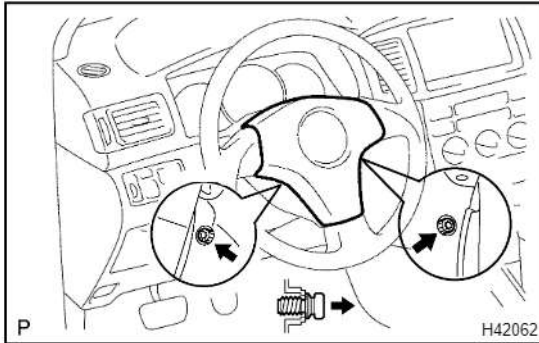
- The horn button assy is very hot when the airbag is deployed, so leave it for at least 30 minutes after deployment.
- Use gloves and safety glasses when handling a horn button assy with the deployed airbag.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc.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

REPLACEMENT

HINT:

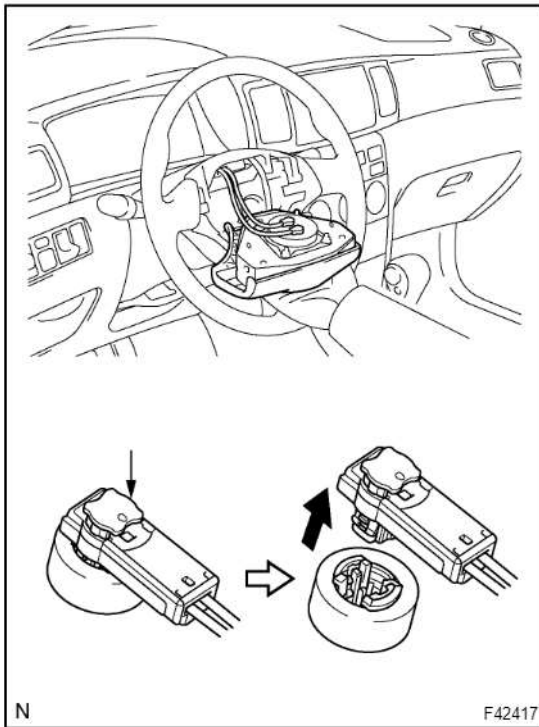
COMPONENTS: See page 60-12

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.
- (d) Using a screwdriver, release the lock part of each airbag connector and disconnect the 2 airbag connectors.

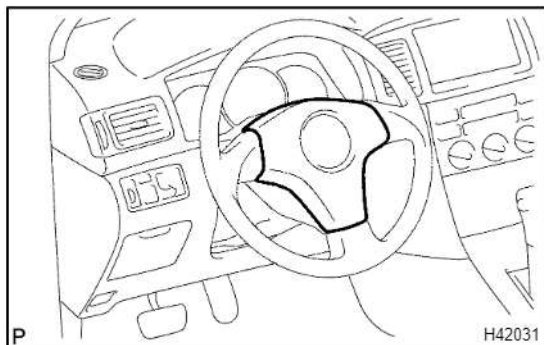
4. INSPECT HORN BUTTON ASSY (See page 60-8)

5. INSTALL HORN BUTTON ASSY

- (a) Connect the airbag connectors and horn connector.
- (b) Install the horn button assy after confirming that the circumference groove of the torx screws is caught on the screw case.
- (c) Using a torx socket wrench (T 30), install the 2 screws.

Torque: 8.8 N·m (90 kgf·cm, 78 in·lbf)

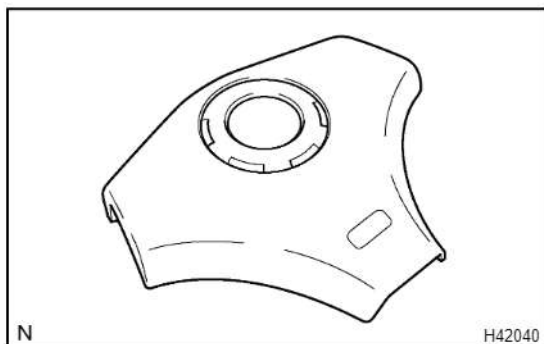
6. INSPECT SRS WARNING LIGHT (See page 05-424)



ON-VEHICLE INSPECTION

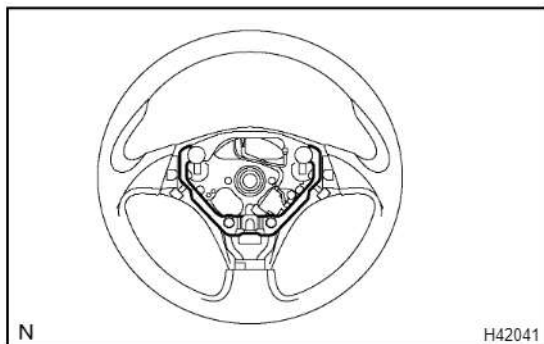
1. HORN BUTTON ASSY (VEHICLES NOT INVOLVED IN COLLISION)

- Check the diagnostic system (See page 05-424).
- Visually check the following item with the horn button assy (with airbag) installed in the vehicle.
Check 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)

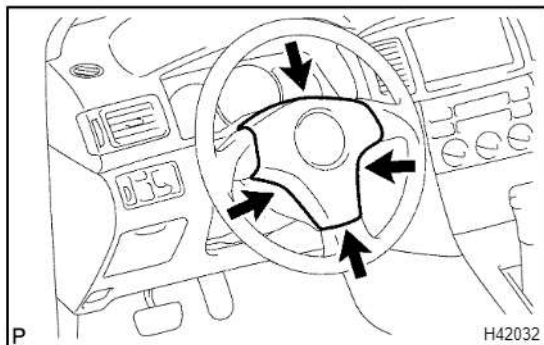
- Check the diagnostic system (See page 05-424).
- Visually check the following items with the horn button assy (with airbag) removed from the vehicle.
 - Check cuts, minute cracks or marked discoloration on the horn button assy top surface and in the grooved portion.
 - Check cuts and cracks in wire harness, and chipping in connectors.
 - Check the deformation on the steering wheel.



- Check the deformation on the horn button contact plate of the steering wheel assy.

HINT:

- If the horn button contact plate of the steering wheel assy is deformed, never repair it. Always replace the horn button assy with a new one.



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

CAUTION:

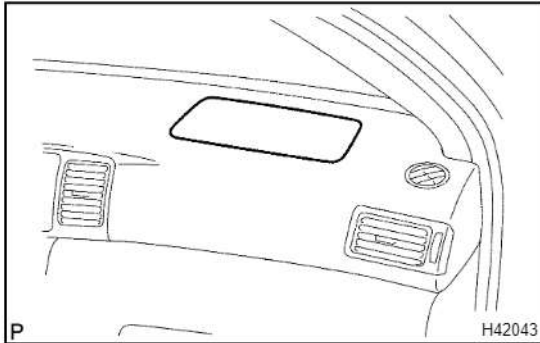
For removal and installation of the horn button assy, see page 60-13, and be sure to follow the correct procedure.

3. HORN BUTTON ASSY(VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

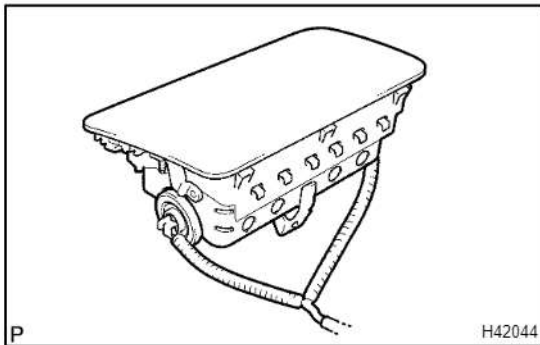
- (a) Check the diagnostic system (See page 05-424).
- (b) Visually check the following item with the horn button assy (with airbag) removed from the vehicle.
Check the damage on the spiral cable connector and wire harness.

HINT:

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

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

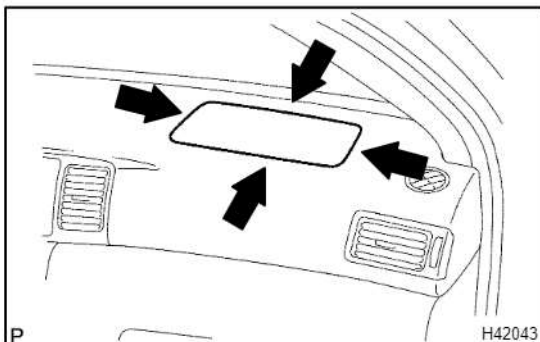
- (a) Check the diagnostic system (See page 05-424).
- (b) Visually check the following item with the instrument panel passenger airbag assy installed in the vehicle.
Check cuts, minute cracks or marked discoloration on the instrument panel passenger airbag assy and instrument panel.

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

- (a) Check the diagnostic system (See page 05-424).
- (b) Visually check the following items with the instrument panel passenger airbag assy removed from the vehicle.
 - Check cuts, minute cracks or marked discoloration on the instrument panel passenger airbag assy.
 - Check cuts and cracks in wire harness, and for chipping in connectors.
 - Check the 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.

**CAUTION:**

For removal and installation of the instrument panel passenger airbag assy, see page 60-25, and be sure to follow the correct procedure.

6. INSTRUMENT PANEL PASSENGER AIRBAG ASSY(VEHICLE INVOLVED IN COLLISION AND AIRBAG IS DEPLOYED)

- (a) Check the diagnostic system (See page 05-424).
- (b) Visually check the following items with the instrument panel passenger airbag assy removed from the vehicle.
 - Check the deformation or cracks on the instrument panel and instrument panel reinforcement.
 - Check the damage on the connector and wire harness.

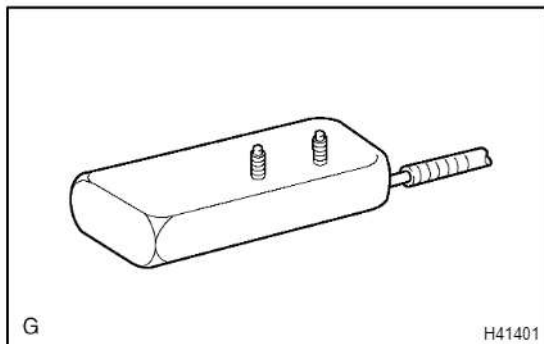
HINT:

If the instrument panel or instrument panel reinforcement is deformed or cracked, never repair it. Always replace it with a new one.



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

- (a) Check the diagnostic system (See page 05-424).
- (b) Visually check the following item with the front seat airbag assy installed in the vehicle.
 - Check cuts, minute cracks or marked discoloration on the front seat airbag assy and the front seat assy.



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

- (a) Check the diagnostic system (See page 05-424).
- (b) Visually check the following items with the front seat airbag assy removed from the front seat assy.
 - Check cuts, minute cracks or marked discoloration on the front seat airbag assy.
 - Check cuts and cracks in wire harness, and for chipping in connectors.

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

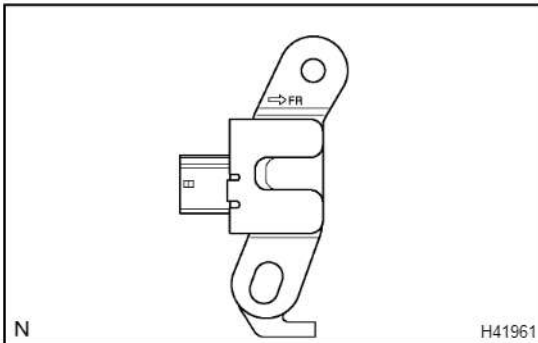
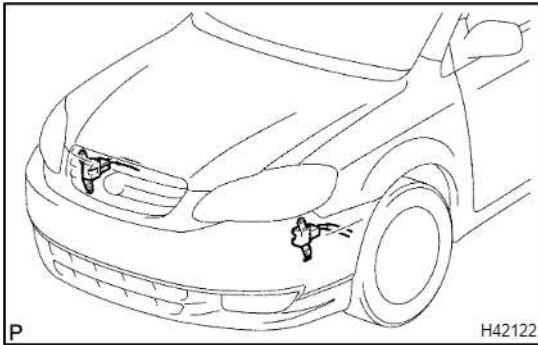
- (a) Check the diagnostic system (See page 05-424).

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

- (a) Check the diagnostic system (See page 05-424).

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

- (a) Replace the airbag sensor assy center (See page 60-38).



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

- (a) Check the diagnostic system (See page 05-424).

13. AIRBAG FRONT SENSOR(VEHICLE INVOLVED IN COLLISION)

- (a) Check the diagnostic system (See page 05-424).
- (b) If the front fender of the car or its periphery is damaged, Visually check for damage to the airbag front sensor, which includes the following items even if the airbag was not deployed:
- Cracks, dents or chips in the case
 - Cracks, dents, chipping and scratches in the connector
 - Peeling off of the label or damage to the serial number

14. SIDE AIRBAG SENSOR ASSY(VEHICLE NOT INVOLVED IN COLLISION)

- (a) Check the diagnostic system (See page 05-424).

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

- (a) Check the diagnostic system (See page 05-424).

16. 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 60-44, 72-2).

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

- (a) Check the diagnostic system (See page 05-424).

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

- (a) Check the diagnostic system (See page 05-424).
- (b) Visually check for damage to the seat position airbag sensor, which includes the following items even if the airbag was not deployed:
- Cracks, dents or chips in the case
 - Cracks, dents, chipping and scratches in the connector

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

- (a) Check the diagnostic system (See page 05-424).

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

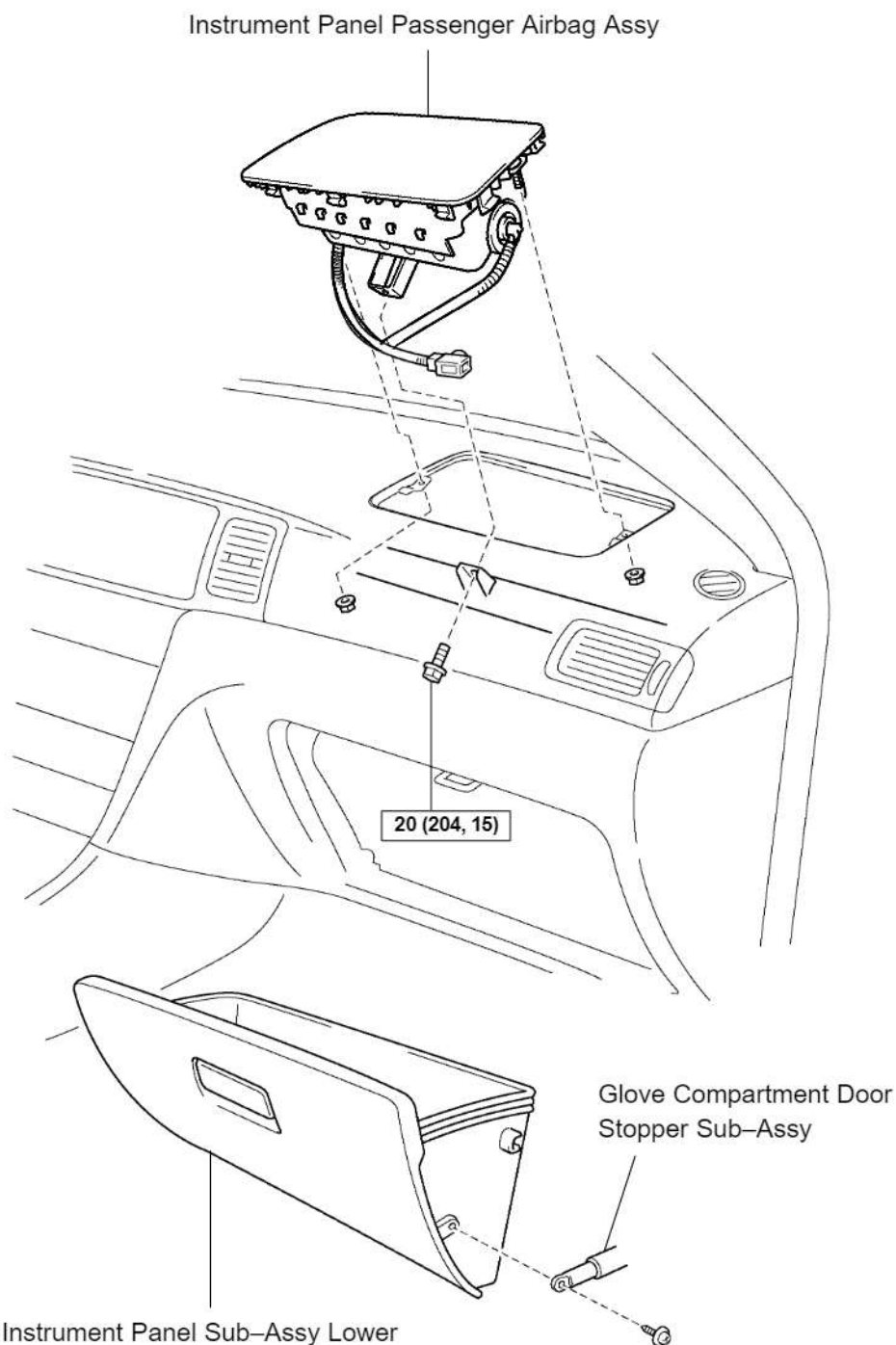
- (a) Check the diagnostic system (See page 05-424).
- (b) Check breaks in all wires of the SRS wire harness, and exposed conductors.
- (c) Check to see if the SRS wire harness connectors are cracked or chipped.

HINT:

The SRS wire harness is integrated with the instrument panel wire harness assembly. All the connectors in the system are standard yellow.

INSTRUMENT PANEL PASSENGER AIR BAG ASSY COMPONENTS

600C0-01



N

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

H42046

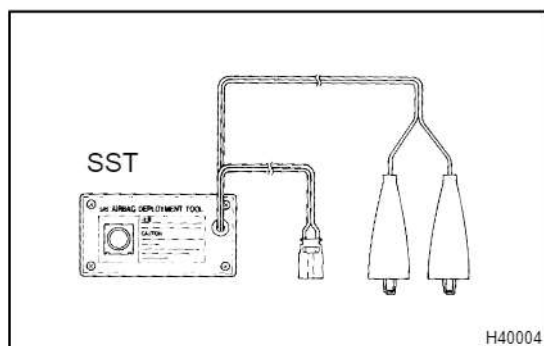
DISPOSAL

HINT:

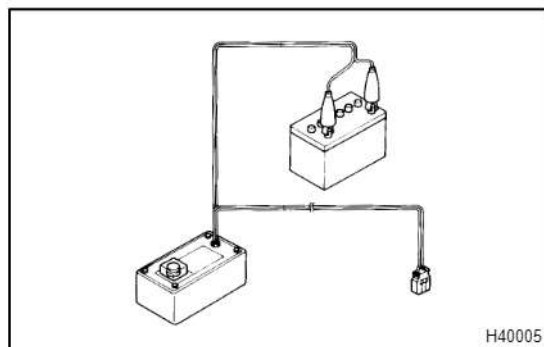
When scrapping vehicle equipped with an SRS or disposing of a instrument panel passenger airbag assy, always first deploy the airbag in accordance with the procedure described below. If any abnormality occurs with the airbag deployment, contact the SERVICE DEPT. of TOYOTA MOTOR SALES, U.S.A., INC.

CAUTION:

- Never dispose of a instrument panel passenger airbag assy which has an undeployed airbag.
- The airbag produces a sizeable exploding sound when it deploys, so perform the operation out of doors and the place where it will not create a nuisance to nearby residents.



- When deploying the airbag, always use the specified SST (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.
- When deploying an 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 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 a instrument panel passenger airbag assy with the deployed airbag.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a instrument panel passenger airbag assy with the deployed airbag.

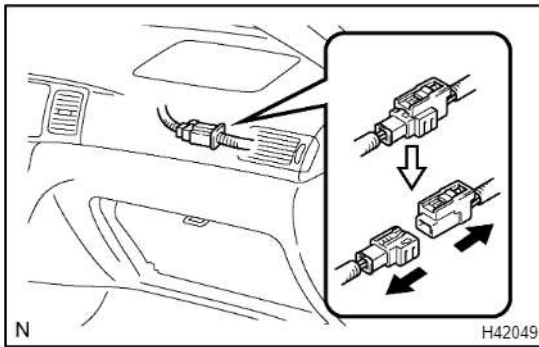


1. DISPOSE INSTRUMENT PANEL PASSENGER AIR BAG ASSY (WHEN SCRAPPING VEHICLE DEPLOYMENT METHOD)

HINT:

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

- (a) Check the function of SST (See step 1-(a) on page 60-14).



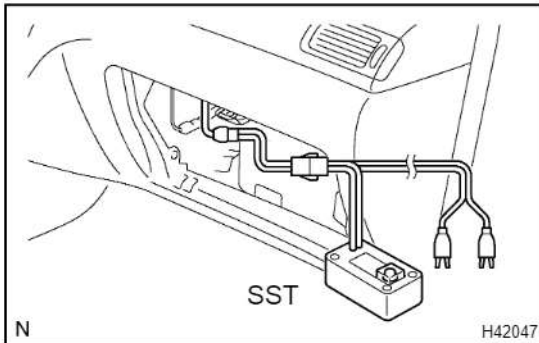
(b) Disconnect the airbag connector.

(1) Remove the instrument panel sub-assy lower.

NOTICE:

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

(2) Disconnect the airbag connectors.



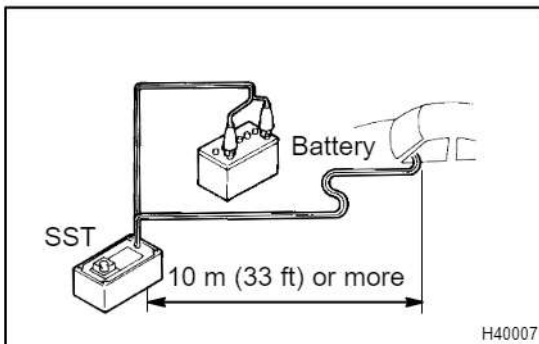
(c) Set SST.

(1) Connect the connectors of the 2 SST to the instrument panel passenger airbag assy connectors.

SST 09082-00700, 09082-00780

NOTICE:

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



(2) Move the SST 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 wire harness.

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

(d) Deploy the airbag.

(1) Check that no one is inside the vehicle or within 10 m (33 ft) area around the vehicle.

(2) Press the SST activation switch and deploy the airbag.

HINT:

The airbag deploys simultaneously when the LED of the SST activation switch lights up.

(e) Dispose the instrument panel passenger airbag assy.

CAUTION:

- The instrument panel passenger airbag assy is very hot when the airbag is deployed, so leave it for at least 30 minutes after deployment.
- Use gloves and safety glasses when handling a instrument panel passenger airbag assy with the deployed airbag.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a instrument panel passenger airbag assy with the deployed airbag.

- When moving a vehicle for scrapping which has a instrument panel passenger airbag assy with the deployed airbag, use gloves and safety glasses.

HINT:

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

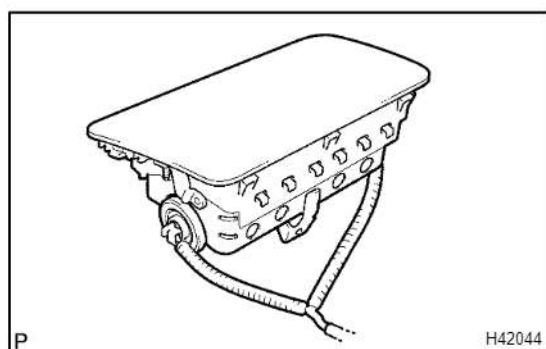
2. DISPOSE INSTRUMENT PANEL PASSENGER AIR BAG ASSY (WHEN DISPOSING OF AIRBAG ASSEMBLY DEPLOYMENT METHOD)

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 given below when deploying the airbag.

HINT:

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



- (a) Remove the instrument panel passenger airbag assy (See page 60-25).

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.
- Store the instrument panel passenger airbag assy with the airbag deployment side facing upward.

- (b) 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)

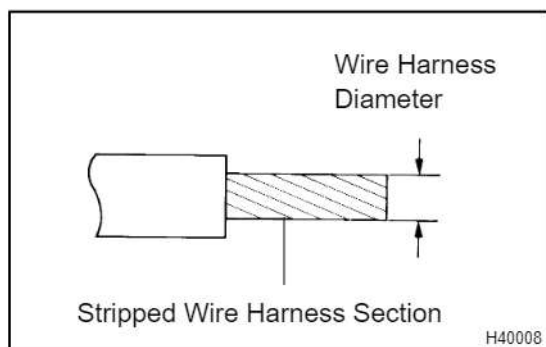
CAUTION:

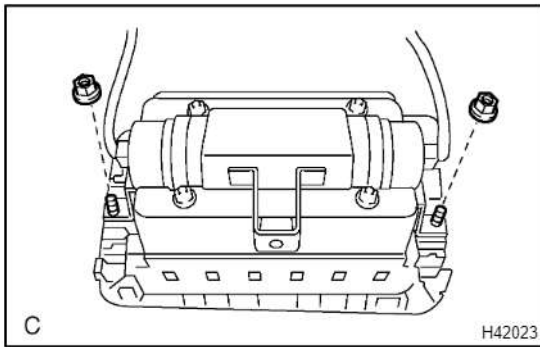
If the instrument panel passenger airbag assy is tied down with too thin wire harness, it may snap. This is highly dangerous. Always use a wire harness which is at least 1.25 mm² (0.0019 in.²).

HINT:

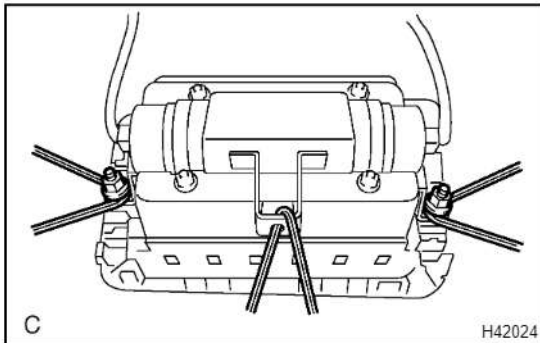
To calculate the area of the stripped wire harness section:

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





- (1) Install the 2 nuts to the instrument panel passenger airbag assy.



- (2) Wind the wire harness around the brackets, as shown in the illustration.
- (3) 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.)

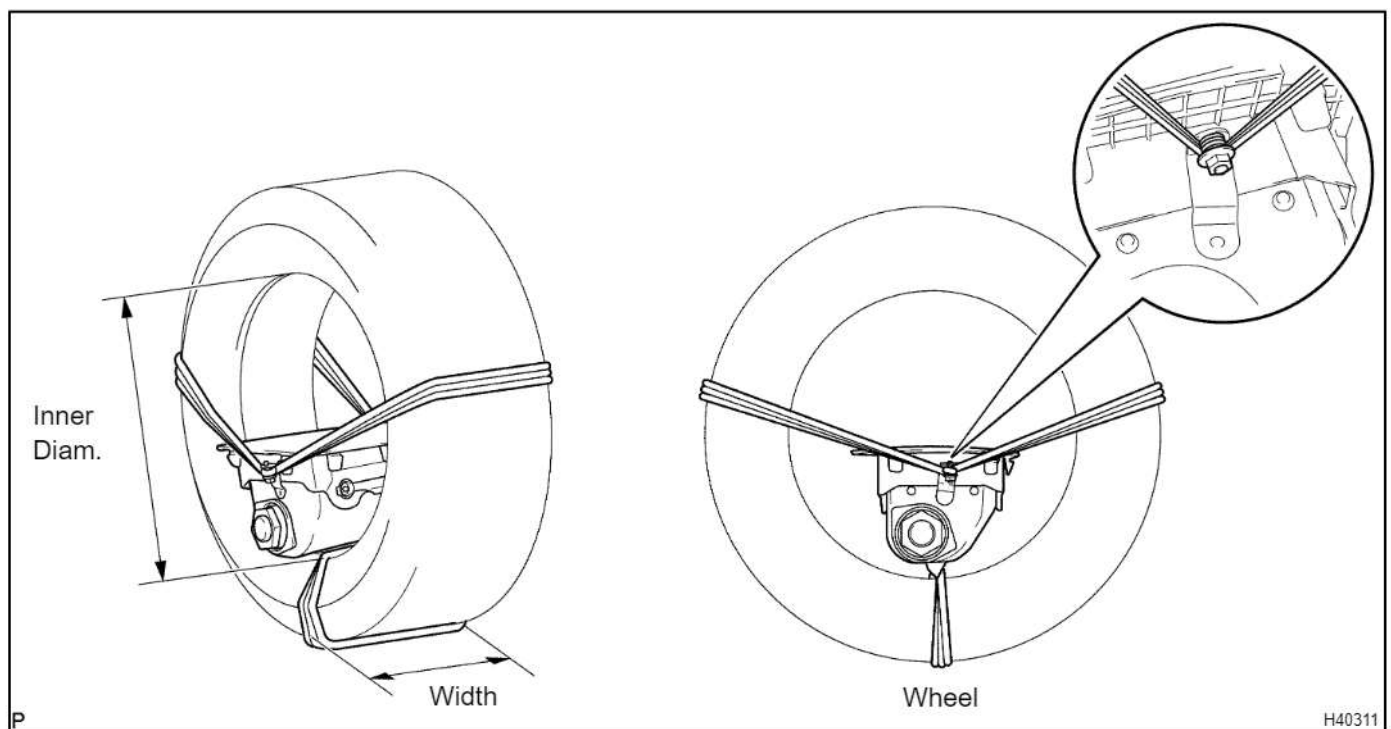
Inner diameter: 360 mm (14.17 in.)

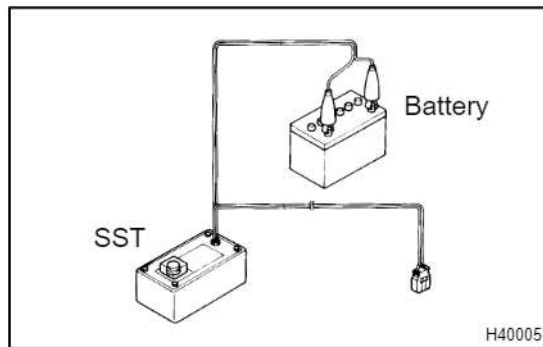
CAUTION:

- Make sure that the wire harness is tight. It is very dangerous if the loosened 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.

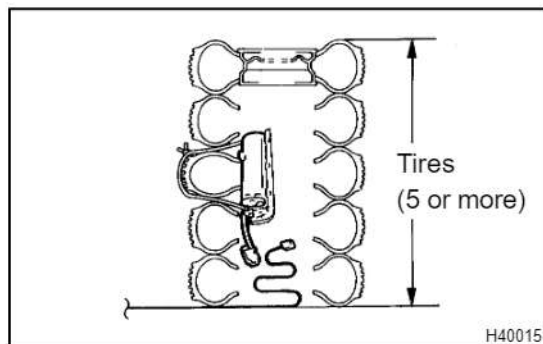
NOTICE:

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

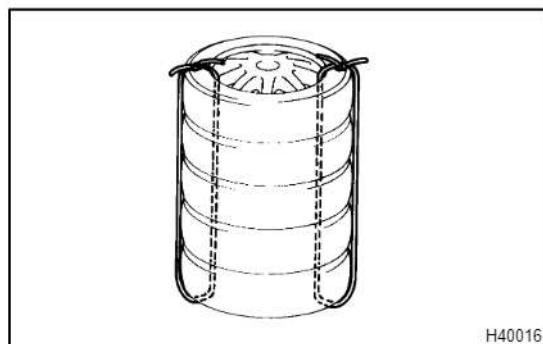




- (c) Check the function of SST (See step 1-(a) on page 60-14).



- (d) 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 wheel installed.



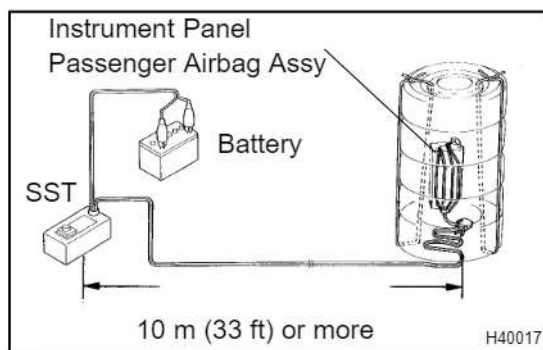
- (3) Tie the tires together with 2 wire harness.

CAUTION:

Make sure that the wire harness is tight. It is very dangerous if loosened wire harness result in the tires coming free due to the shock from the airbag deploying.

HINT:

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



- (e) Set SST.
Connect the connectors of the 2 SST to the instrument panel passenger airbag assy connector.
SST 09082-00700, 09082-00780

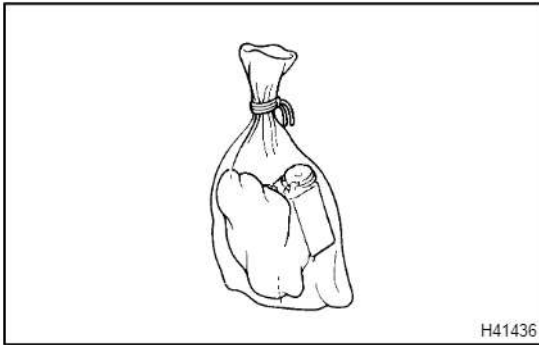
NOTICE:

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

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

HINT:

The airbag deploys simultaneously when the LED of the SST activation switch lights up.



(g) Dispose of the instrument panel passenger airbag assy.

CAUTION:

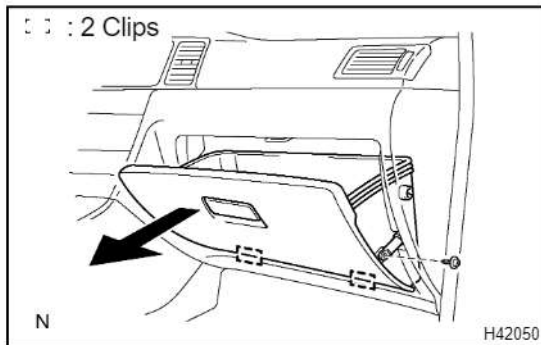
- The instrument panel passenger airbag assy is very hot when the airbag is deployed, so leave it alone for at least 30 minutes after deployment.
- Use gloves and safety glasses when handling a instrument panel passenger airbag assy with the deployed airbag.
- Always wash your hands with water after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

REPLACEMENT

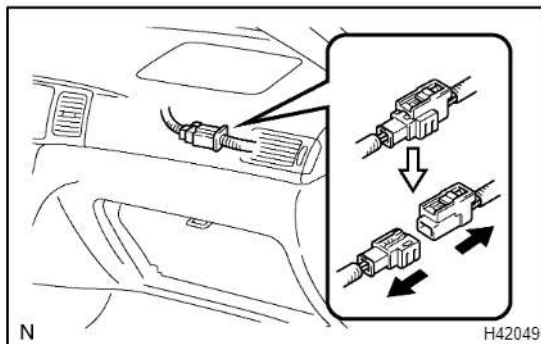
HINT:

COMPONENTS: See page 60–24

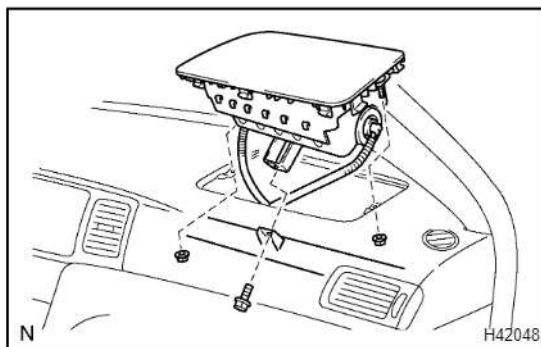
1. **PRECAUTION** (See page 60–1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60–1)



3. **REMOVE INSTRUMENT PANEL SUB-ASSY LOWER**
 - (a) Remove the screw from the glove compartment door stopper sub-assy.
 - (b) Pull the instrument panel sub-assy lower to remove it.



4. **SEPARATE PASSENGER AIRBAG CONNECTOR**
 - (a) Separate the instrument panel passenger airbag assy connector.



5. **REMOVE INSTRUMENT PANEL PASSENGER AIR BAG ASSY**
 - (a) Remove the bolt.
 - (b) Remove the 2 nuts and instrument panel passenger air-bag assy.

6. **INSTALL INSTRUMENT PANEL PASSENGER AIR BAG ASSY**

Torque:

Bolt: 20 N·m (204 kgf·cm, 15 ft·lbf)

7. **INSPECT INSTRUMENT PANEL PASSENGER AIR BAG ASSY** (See page 60–8)
8. **INSPECT SRS WARNING LIGHT** (See page 05–424)

SUPPLEMENTAL RESTRAINT SYSTEM

6009X-02

PRECAUTION

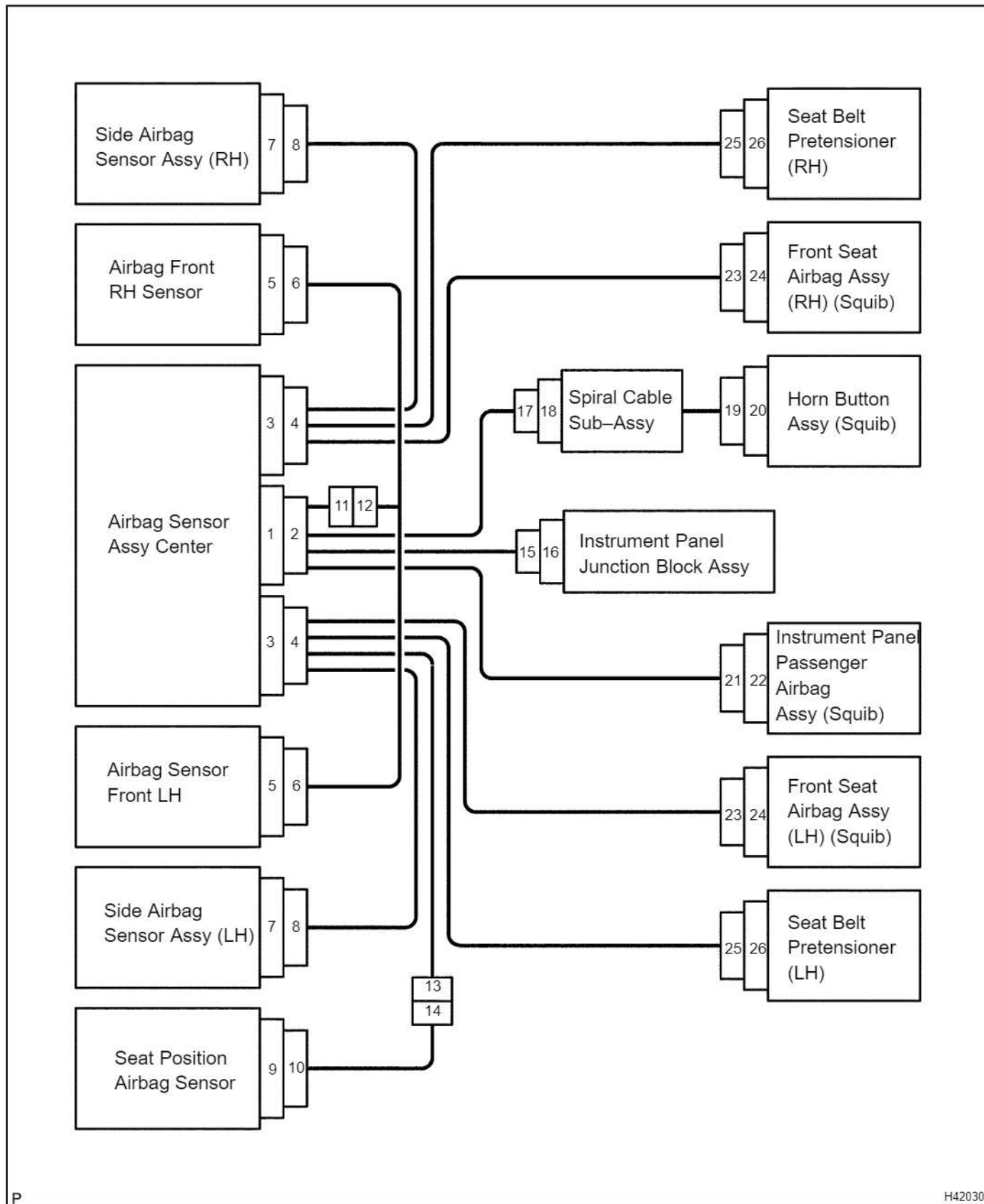
CAUTION:

- The COROLLA is equipped with SRS, which comprises a driver airbag, front passenger airbag and side airbag. Failure to carry out service operations in the correct sequence could cause the SRS to unexpectedly deploy during servicing, possibly leading to a 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 described 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 from 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, airbag sensor assy center, airbag front sensor, front seat airbag assy, side airbag sensor assy or seat position airbag sensor directly to hot air or flames.

NOTICE:

- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- Even in cases of a minor collision where the SRS does not deploy, the horn button assy, instrument panel passenger airbag assy, airbag sensor assy center, airbag front sensor, front seat airbag assy, side airbag sensor assy and seat position airbag sensor should be inspected (See page 60–8).
- Before repairs, remove the airbag sensor if shocks are likely to be applied to the sensor during repairs.
- Never use SRS parts from another vehicle. When replacing parts, replace them with new parts.
- Never disassemble and repair the horn button assy, instrument panel passenger airbag assy, airbag sensor assy center, airbag front sensor, front seat airbag assy, side airbag sensor assy or seat position airbag sensor in order to reuse it.
- If the horn button assy, instrument panel passenger airbag assy, airbag sensor assy center, airbag front sensor, front seat airbag assy, side airbag sensor assy, seat position airbag sensor has been dropped, or if there are 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 system's electrical circuits.
- Information labels are attached to the periphery of the SRS components. Follow the instructions on the notices.
- After work on the SRS is completed, perform the SRS warning light check (See page 05–424).
- 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.

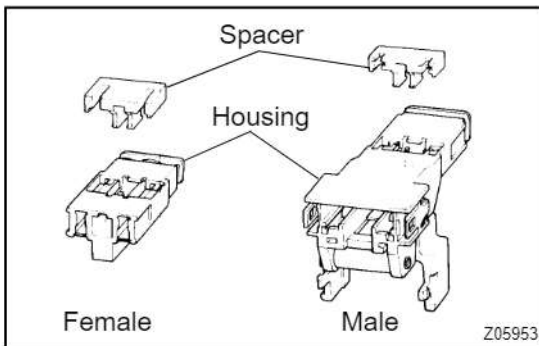
1. SRS CONNECTORS



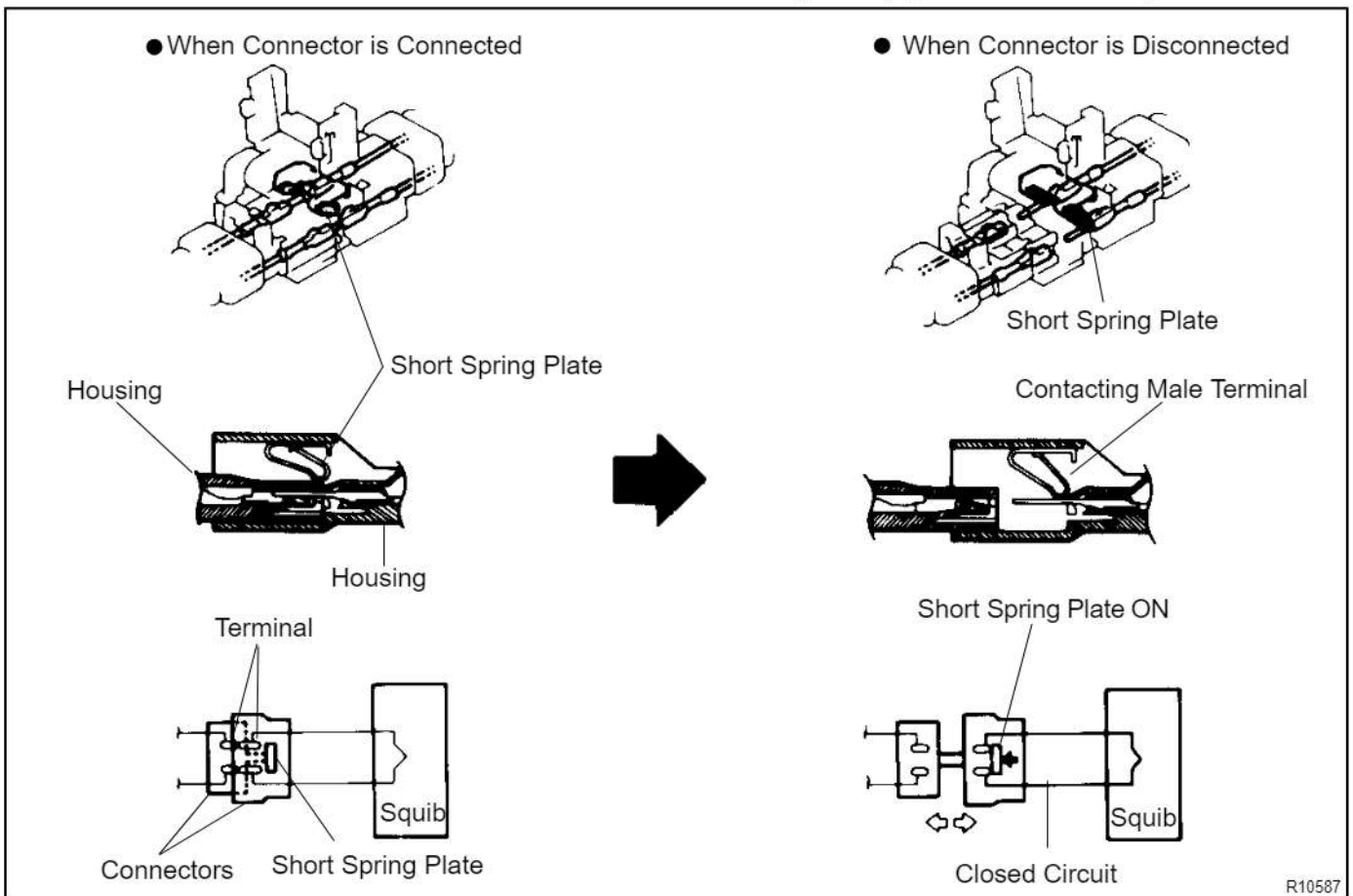
SUPPLEMENTAL RESTRAINT SYSTEM - SUPPLEMENTAL RESTRAINT SYSTEM

No.	Item	Application
(1)	Terminal Twin-Lock Mechanism	Connectors 2, 4, 6, 8, 10, 11, 12, 13, 14, 15, 17, 21, 22
(2)	Airbag Activation Prevention Mechanism	Connectors 2, 4, 16, 18, 20, 22, 24
(3)	Electrical Connection Check Mechanism	Connectors 1, 2, 3, 4
(4)	Half Connection Prevention Mechanism	Connectors 6, 8, 12, 21
(5)	Connector Lock Mechanism	Connectors 17, 19, 23

- (a) All connectors in the SRS are colored in yellow to distinguish them from other connectors. 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.

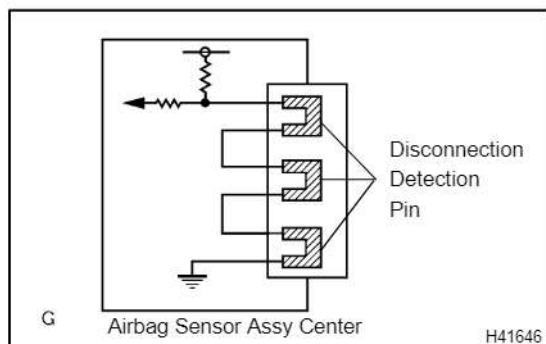


- (1) Terminal twin-lock mechanism:
Each connector has a two-piece component consisting of a housing and a spacer. This design enables the terminal to be locked securely by two locking devices (the retainer and the lance) to prevent terminals from coming out.
- (2) Airbag activation prevention mechanism:
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.

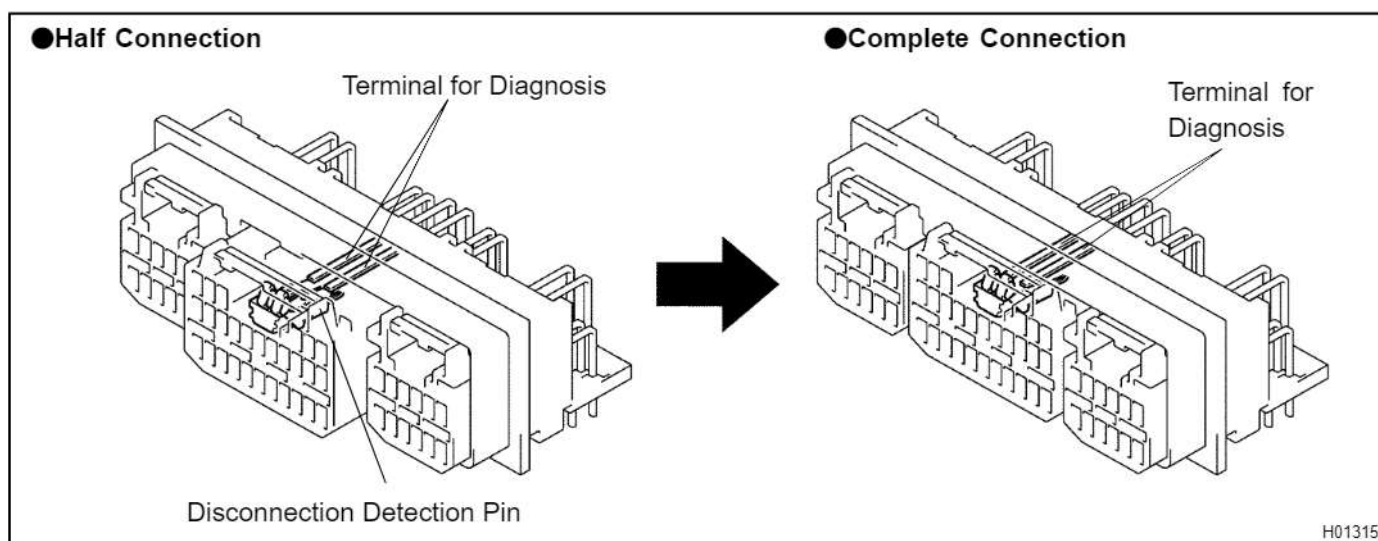


HINT:

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

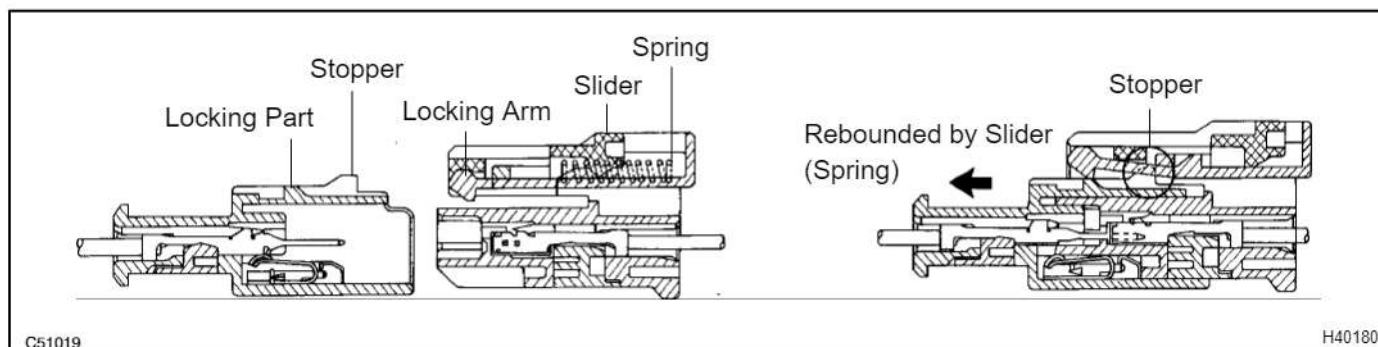


- (3) **Electrical connection check mechanism:**
This mechanism electrically checks that connectors are connected correctly and completely. The electrical connection check mechanism is designed so that the disconnection detection pin connects with the diagnosis terminals when the connector housing lock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

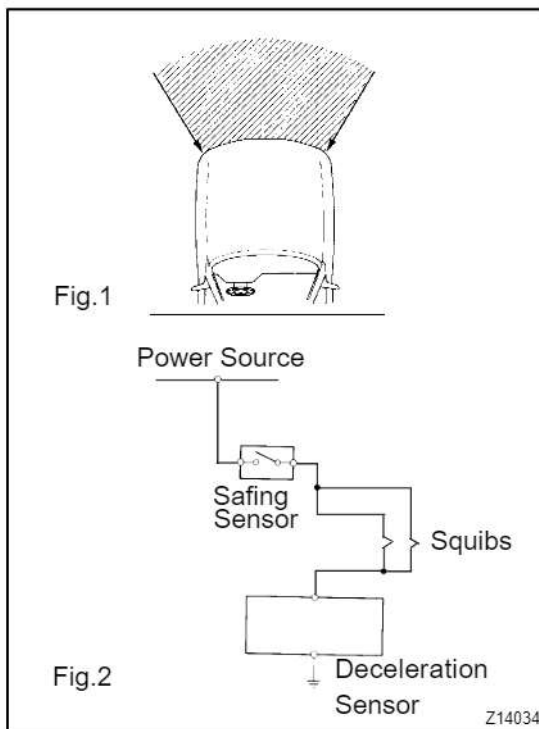
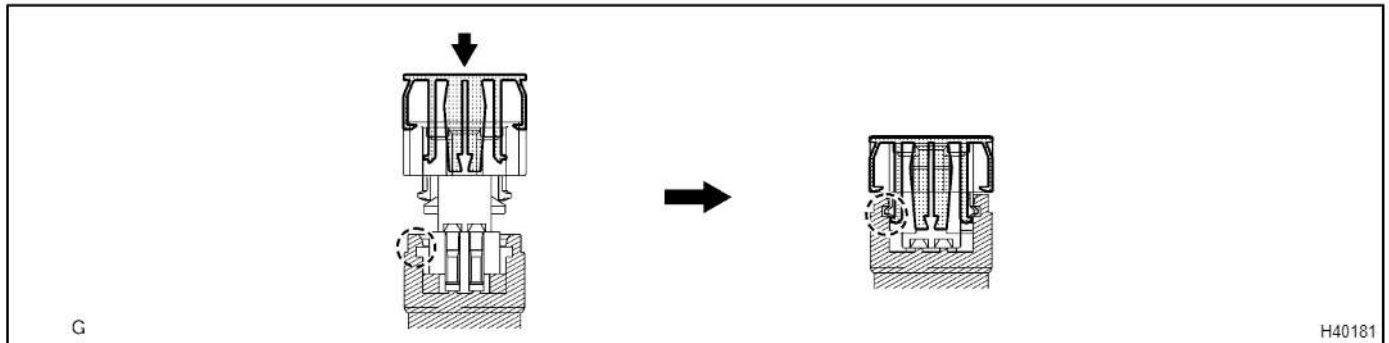
**HINT:**

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



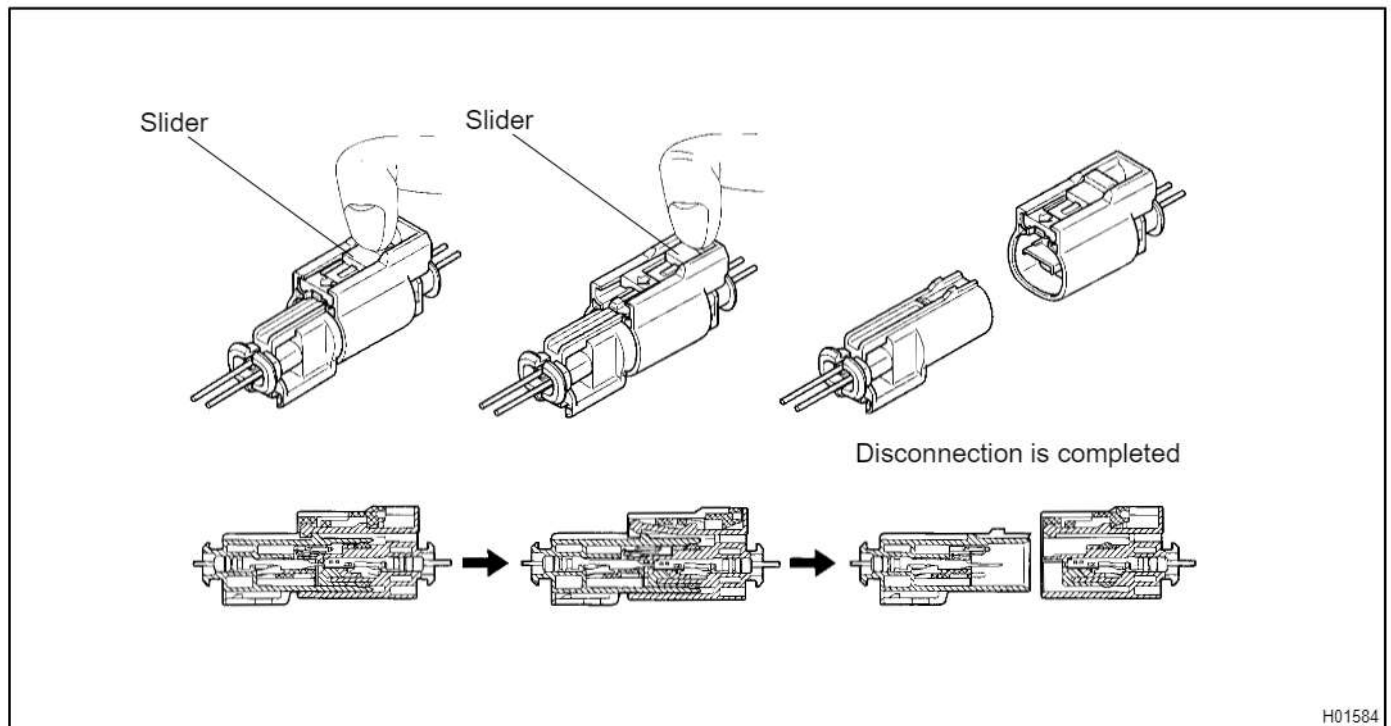
- (5) Connector lock mechanism:
Locking the connector lock button securely connects the connector.



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

2. 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.



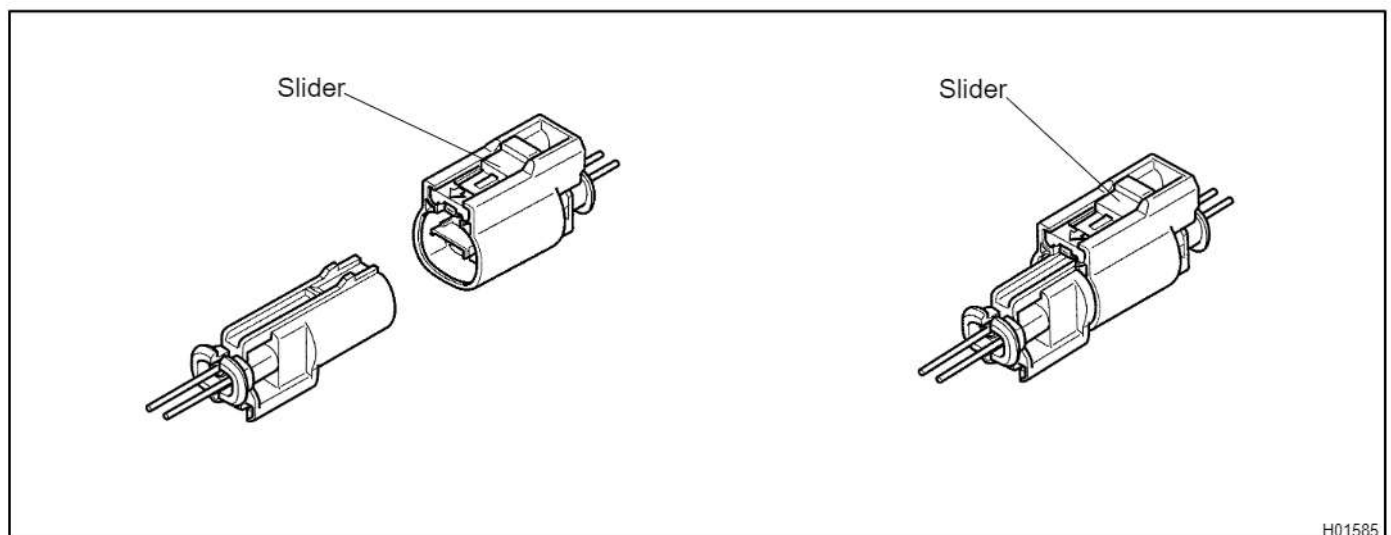
H01584

3. CONNECTION OF CONNECTOR FOR FRONT SEAT AIRBAG ASSY

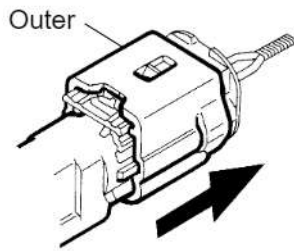
- (a) Align a lock part of male connector and a slider of female connector in the same direction as shown in the illustration, fit in them without rubbing.
- (b) Be sure to insert until they are locked. After fitting in, pull them slightly to check that they are locked. (When locked, make sure that the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

HINT:

- As the slider slides, do not touch it.
- Be careful not to deform the release board. If the release board is deformed, replace it with a new one.



H01585



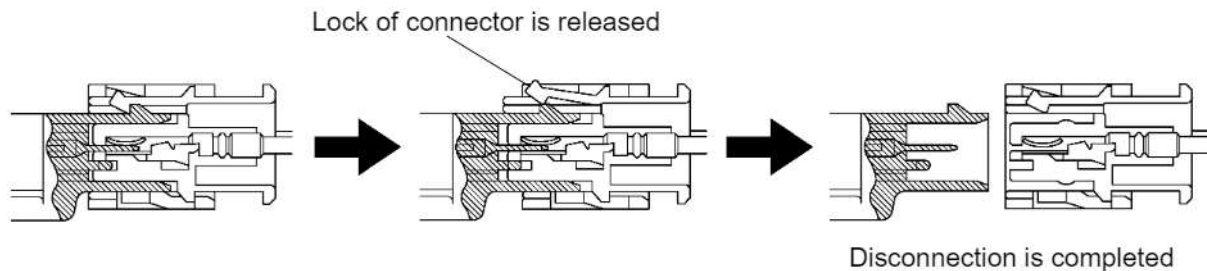
H02763

4. DISCONNECTION OF AIRBAG FRONT SENSOR AND SIDE AIRBAG SENSOR

- While holding both flank sides of the outer, slide the outer in the direction shown by an arrow.
- Release the lock of the connectors, then disconnect the connectors.

HINT:

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



H02764

5. CONNECTION OF CONNECTORS FOR AIRBAG FRONT SENSOR AND SIDE AIRBAG SENSOR

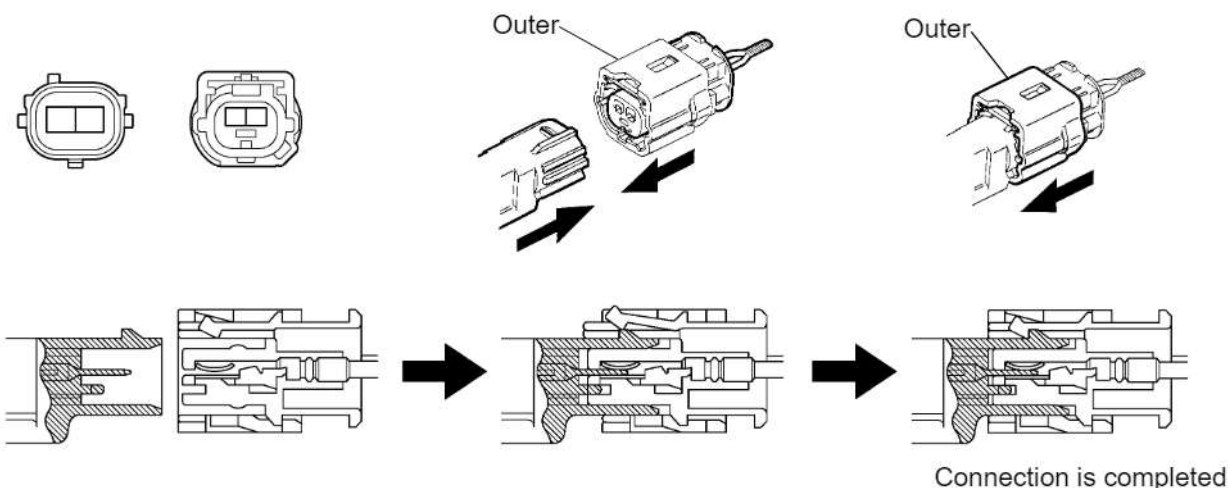
- Align the male connector (on the side of sensor) with female connector in the same direction as shown in the illustration and fit them in without rubbing.
- As they are fitted in, the outer slides rearward. Press it until the outer returns to its original position again.

If fitting stops half way, connectors will separate.

- Be sure to insert until they are locked. After fitting in, pull them slightly to check that they are locked. (When locked, make sure that the outer returns to its original position and sound at the time of fitting in can be heard.)

HINT:

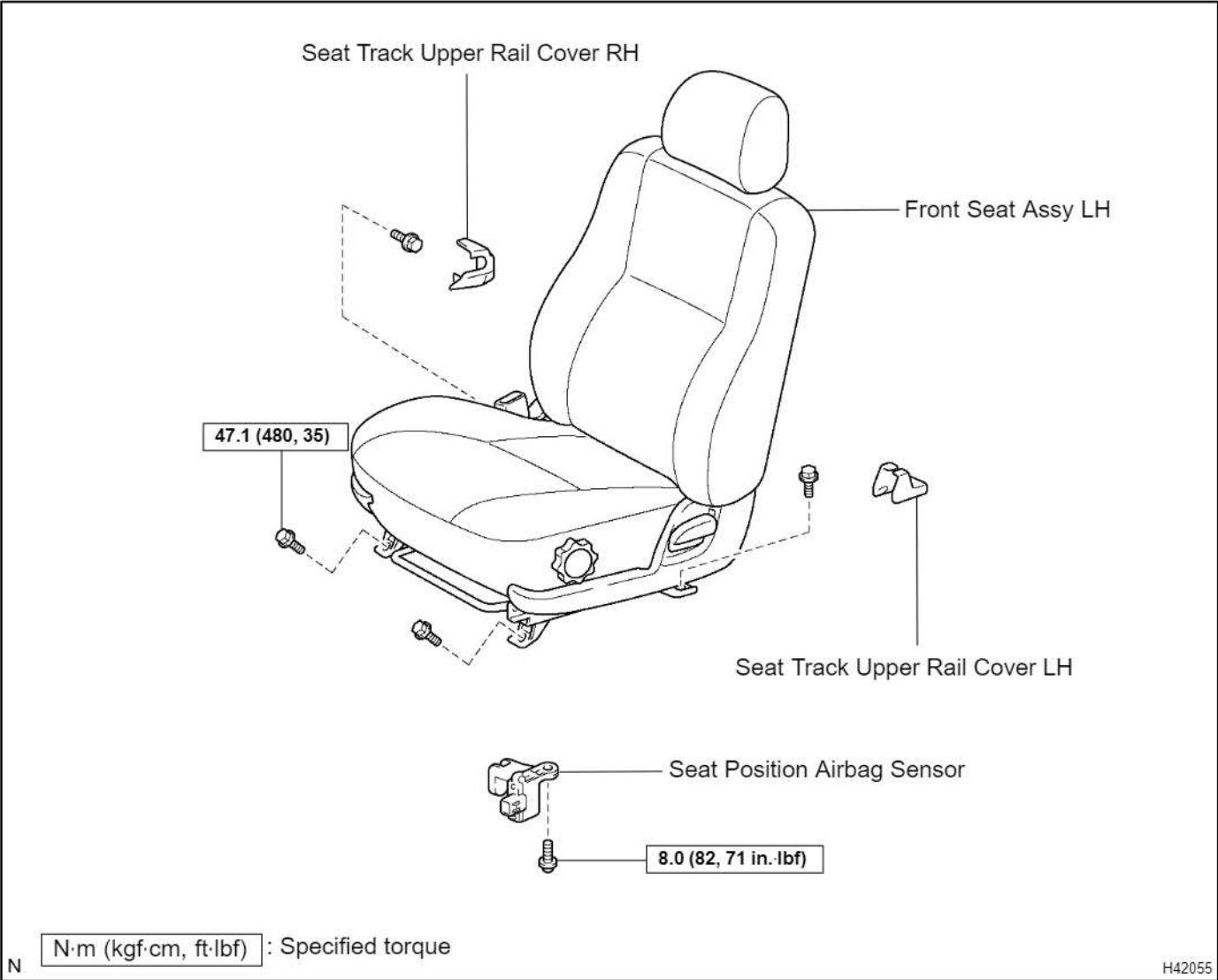
- Do not fit in while holding the outer.
- When fitting in, the outer slides. Do not touch it.



H02768

SEAT POSITION AIR BAG SENSOR COMPONENTS

60080-02

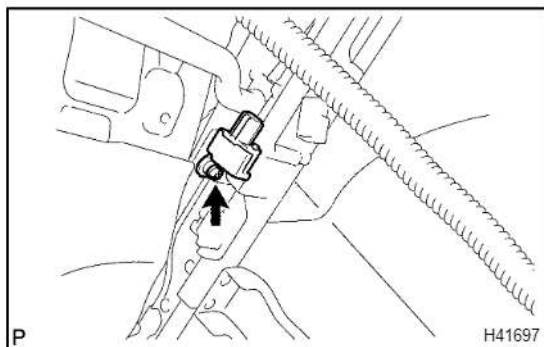


REPLACEMENT

HINT:

COMPONENTS: See page 60-45

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



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**

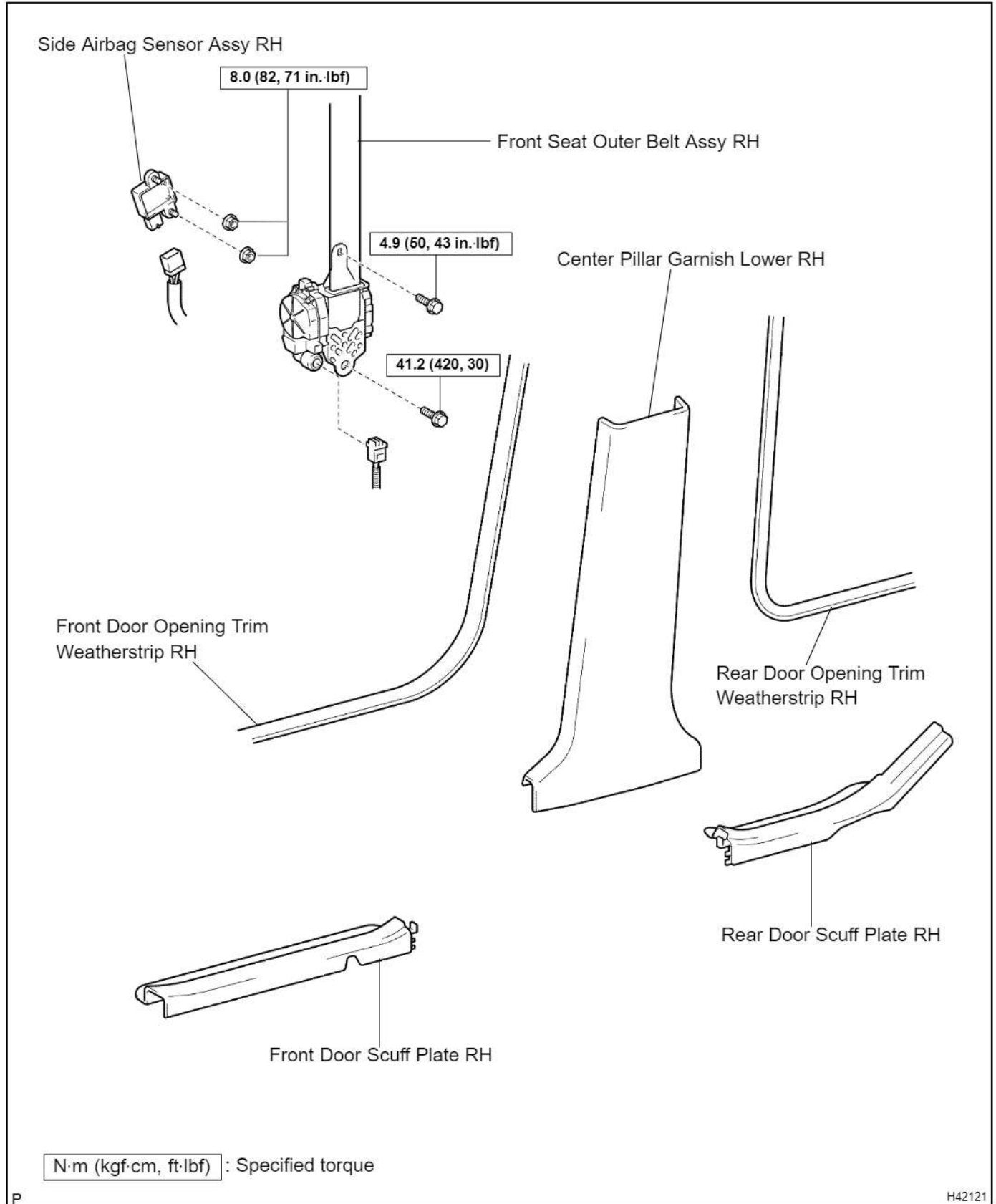
- (a) Using a torx socket wrench (T30), install the seat position airbag sensor with the torx screw.
Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)
 - (b) Connect the connector of the seat position airbag sensor.

NOTICE:

- Installation of the connector is done with the seat position airbag sensor installed. Make sure the seat position airbag sensor is installed to the specified torque.
 - If the seat position airbag sensor has been dropped, or there are 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.
 - After installation, shake the seat position airbag sensor to check that there is no looseness.
8. **INSTALL FRONT SEAT ASSY LH**
Torque: 47.1 N·m (480 kgf·cm, 35 ft·lbf)
 9. **INSPECT SRS WARNING LIGHT** (See page 05-424)

SIDE AIR BAG SENSOR ASSY RH **COMPONENTS**

6007W-02

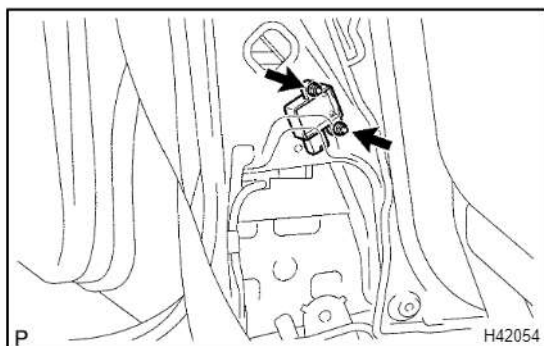


REPLACEMENT

HINT:

COMPONENTS: See page 60-43

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)
3. **REMOVE FRONT DOOR SCUFF PLATE RH** (See page 76-21)
4. **REMOVE REAR DOOR SCUFF PLATE RH** (See page 76-21)
5. **REMOVE FRONT DOOR OPENING TRIM RH** (See page 76-21)
6. **REMOVE REAR DOOR OPENING TRIM RH** (See page 76-21)
7. **REMOVE LAP BELT OUTER ANCHOR COVER** (See page 76-21)
8. **REMOVE CENTER PILLAR GARNISH LOWER RH** (See page 76-21)
9. **REMOVE FRONT SEAT OUTER BELT ASSY RH** (See page 61-7)



10. **REMOVE SIDE AIR BAG SENSOR ASSY RH**
 - (a) Disconnect the connector from the side airbag sensor assy RH.
 - (b) Remove the 2 nuts and side airbag sensor assy RH.

11. **INSPECT SIDE AIR BAG SENSOR ASSY RH** (See page 60-8)
12. **INSTALL SIDE AIR BAG SENSOR ASSY RH**
 - (a) Install the 2 nuts and side airbag sensor assy RH.
Torque: 8.0 N·m (82 kgf·cm, 71 in·lbf)
 - (b) Connect the side airbag sensor connector.

NOTICE:

- Installation of the connector is done with the sensor assembly installed. Make sure that the sensor assembly is installed to the specified torque.
 - If the sensor assembly has been dropped, or there are cracks, dents or other defects in the case, bracket or connector, replace the sensor assembly with a new one.
 - When installing the sensor assembly, take care that the SRS wiring does not interfere with other parts and is not pinched between other parts.
 - After installation, shake the sensor assembly to check that there is no looseness.
13. **INSTALL FRONT SEAT OUTER BELT ASSY RH**
Torque:
Upper bolt: 4.9 N·m (50 kgf·cm, 43 in·lbf)
Lower bolt: 41.2 N·m (420 kgf·cm, 30 ft·lbf)
 14. **INSPECT SRS WARNING LIGHT** (See page 05-424)

SPIRAL CABLE SUB-ASSY

COMPONENTS

600711-03

(See page [60-12](#))

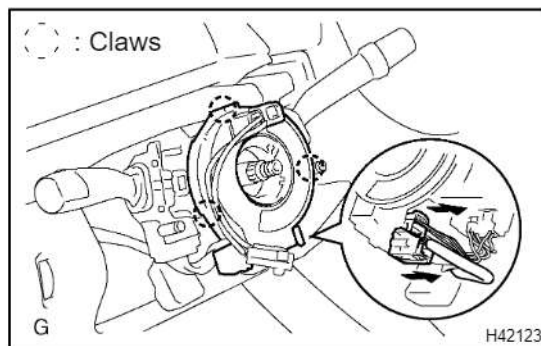
REPLACEMENT

HINT:

COMPONENTS: See page 60-12

1. **PRECAUTION** (See page 60-1)
2. **DISCONNECT BATTERY NEGATIVE TERMINAL** (See page 60-1)
3. **PLACE FRONT WHEELS FACING STRAIGHT AHEAD**
 - (a) Check that the front wheels are facing straight ahead.
4. **REMOVE HORN BUTTON ASSY** (See page 60-13)
5. **REMOVE STEERING WHEEL ASSY** (See page 50-8)

SST 09950-50013 (09951-05010, 09952-05010, 09953-05020, 09954-05021)
6. **REMOVE STEERING COLUMN COVER**



7. **REMOVE SPIRAL CABLE SUB-ASSY**
 - (a) Disconnect the airbag connector and the connector from the spiral cable sub-assy.
 - (b) Release the 3 claws and remove the spiral cable sub-assy.

8. **INSPECT SPIRAL CABLE SUB-ASSY** (See page 60-8)
 - (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 chipping of the spiral cable sub-assy

9. **PLACE FRONT WHEELS FACING STRAIGHT AHEAD**
 - (a) Check that the front wheels are facing straight ahead.

10. **INSTALL SPIRAL CABLE SUB-ASSY**
 - (a) Set the turn signal switch in neutral position.

NOTICE:

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

- (b) Engage the 3 claws and 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 handle.

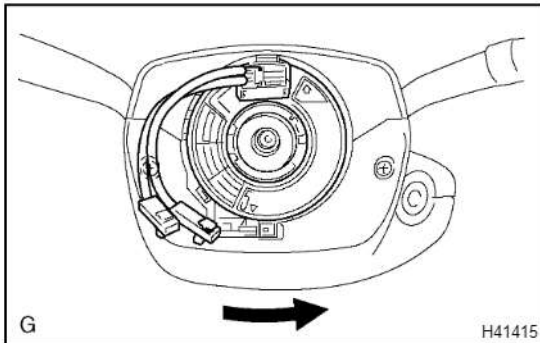
- (c) Connect the airbag connector and the connector connecting to the spiral cable sub-assy.
- (d) Install the steering column cover with the 3 screws.

11. CENTER SPIRAL CABLE

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

NOTICE:

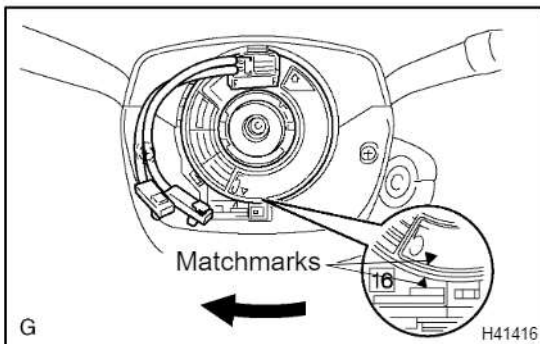
Do not start the operation for 90 seconds after removing the terminal.



- (c) Turn the cable counterclockwise by hand until it becomes harder to turn.

HINT:

The cable will rotate about 2.5 turns to either left or right of the center.



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

12. INSTALL STEERING WHEEL ASSY (See page 50-8)

Torque: 50 N·m (510 kgf·cm, 37 ft·lbf)

13. INSTALL HORN BUTTON ASSY (See page 60-13)

Torque: 8.8 N·m (90 kgf·cm, 78 in·lbf)

14. INSPECT HORN BUTTON ASSY (See page 60-8)**15. INSPECT SRS WARNING LIGHT (See page 05-424)**