

Section : Body

Ref. No. : B-2004

Date : Oct., 2002

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Area Application : Europe, Australia

Model Name : IS200, IS300

Model Code : JCE10, GXE10

Subject : SUPPLEMENTAL FOR REPAIR MANUAL
(FRONT BUMPER, SEAT BELT PRETENSIONER)

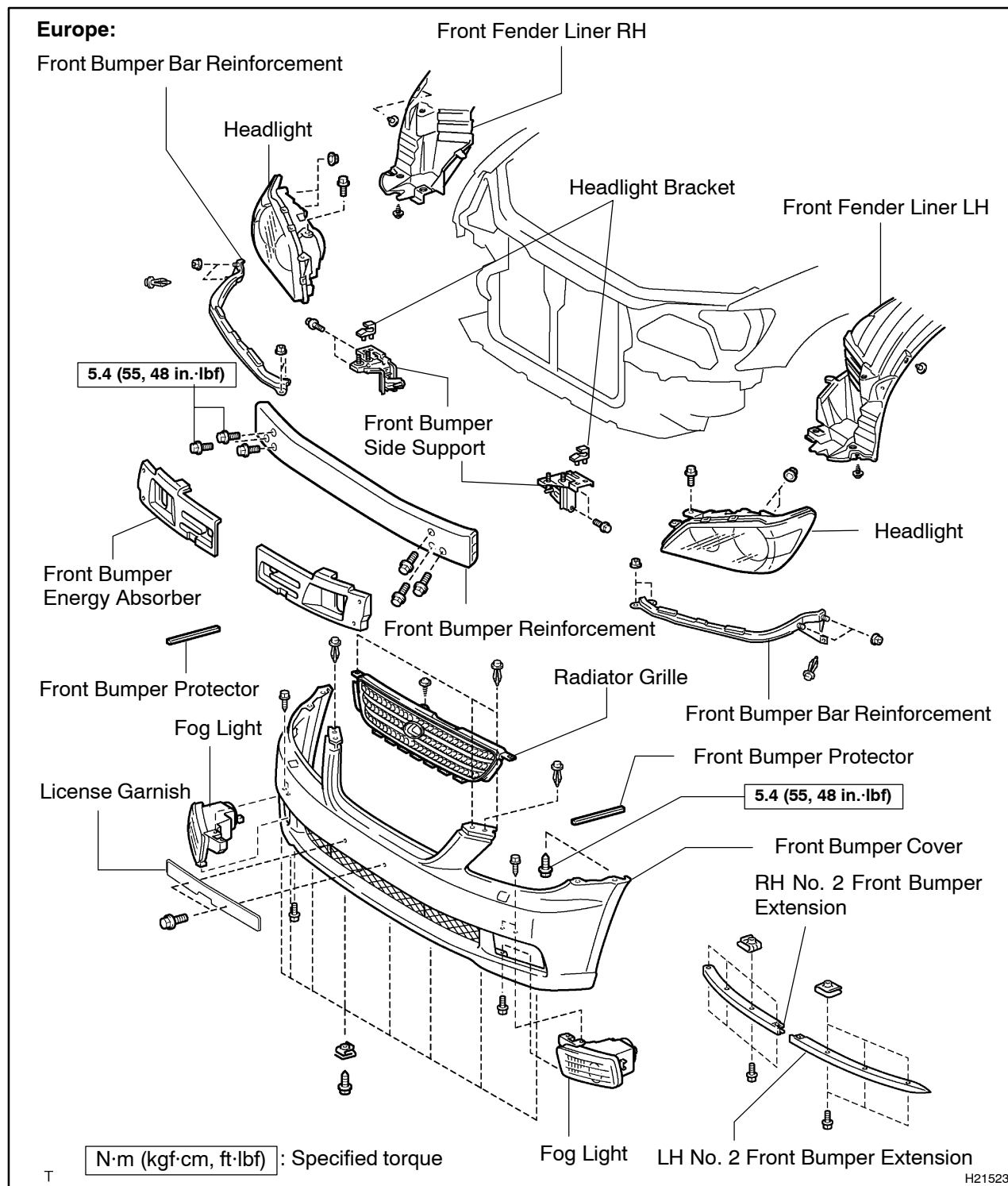
This Service Bulletin is to inform you of the front bumper and seat belt pretensioner. Due to the change in IS200/300, the attached pages will be applied to the following manuals.

Pub. No.	Publication Name
RM684E	LEXUS IS200 Repair Manual
RM776E	LEXUS IS200 Repair Manual Supplement
RM870E	LEXUS IS300/200 Repair Manual Supplement

Production Effective :

Frame No.	Production Date
---	From Aug., 2002

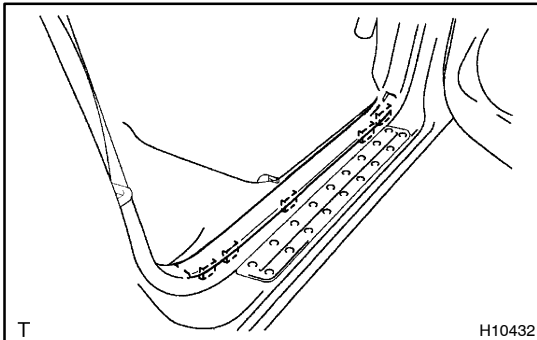
FRONT BUMPER (Wagon) COMPONENTS



SEAT BELT PRETENSIONER REMOVAL

NOTICE:

- If the wiring connector of the seat belt pretensioner is disconnected with the ignition switch at ON or ACC, diagnostic trouble codes will be recorded.
- Never use a seat belt pretensioner from another vehicle. When replacing the parts, replace them with new ones.

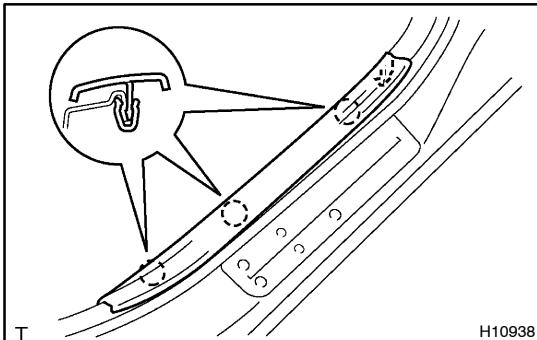


1. REMOVE FRONT DOOR INSIDE SCUFF PLATE

Using a screwdriver, remove the front door inside scuff plate.

HINT:

Tape the screwdriver tip before use.



2. REMOVE REAR DOOR INSIDE SCUFF PLATE

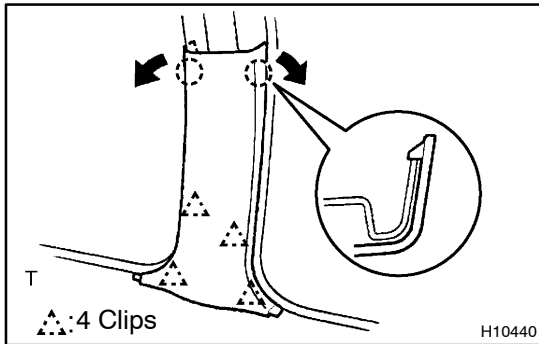
Using a screwdriver, remove the rear door inside scuff plate.

HINT:

Tape the screwdriver tip before use.

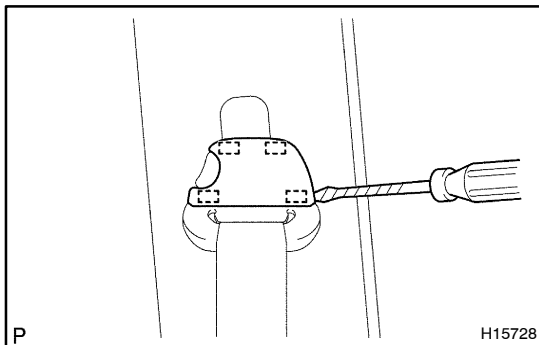
3. REMOVE REAR PART OF FRONT DOOR OPENING TRIM

4. REMOVE FRONT PART OF REAR DOOR OPENING TRIM



5. REMOVE CENTER PILLAR LOWER GARNISH

Remove the center pillar lower garnish as shown in the illustration.



6. REMOVE FRONT SEAT OUTER BELT

- (a) Using a screwdriver, remove the shoulder anchor cover.

HINT:

Tape the screwdriver tip before use.

- (b) Remove the bolt and the shoulder anchor.
(c) Using a screwdriver, remove the anchor cover cap.

HINT:

Tape the screwdriver tip before use.

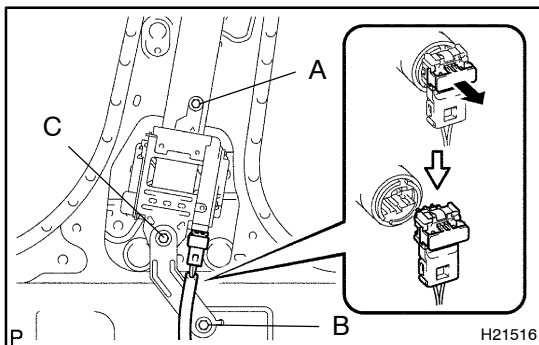
- (d) Remove the bolt "B" with the floor anchor.
(e) Remove the retractor of the front seat outer belt.

CAUTION:

Never disassemble the front seat outer belt.

NOTICE:

When removing the retractor of the front seat outer belt, take care not to pull the seat belt pretensioner wire harness.



- (1) Disconnect the pretensioner connector as shown in the illustration.

CAUTION:

When removing the seat belt pretensioner, 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.

- (2) Remove the bolt "A" and the retractor of the front seat outer belt.

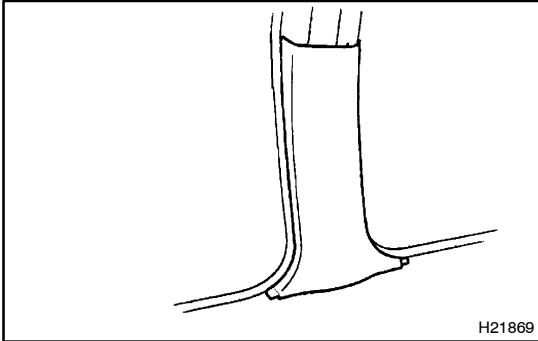
NOTICE:

Never remove the bolt "C". Otherwise, the retractor cannot be installed at the right angle, and the seat belt will not lock properly.

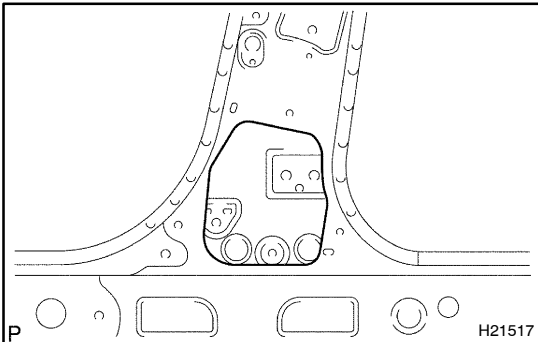
INSPECTION

1. PRETENSIONER IS NOT ACTIVATED

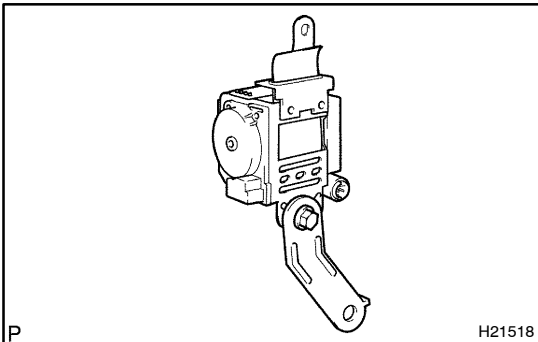
- (a) Perform a diagnostic system check.
(See Pub. No. RM870E, page DI-420)



- (b) Perform a visual check on the following items with the front seat outer belt removed from the vehicle.
- Check for cuts and cracks in, or marked discoloration on the center pillar lower garnish.
 - Check for cuts and cracks in wire harness, and for chipping in connectors.



- Check for deformation of the center pillar.



- Check for small cuts and cracks in the wire harness or marked discoloration on the front seat outer belt.

CAUTION:

For removal and installation of the front seat outer belt, see Pub. No. RM684E1, page BO-150 and BO-159.

Be sure to follow the correct procedure.

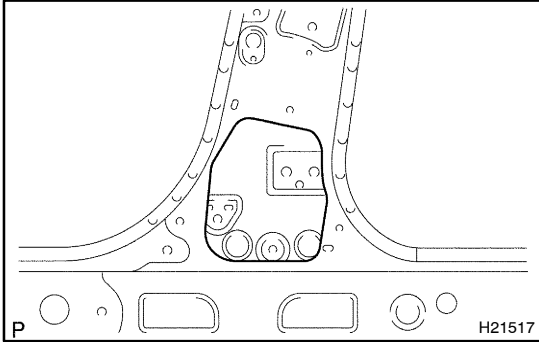
2. PRETENSIONER IS ACTIVATED

- (a) Perform a diagnostic system check.
(See Pub. No. RM870E, page DI-420)

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- (b) Perform a visual check on the following items with the front seat outer belt removed from the vehicle.
- Check for deformation of the center pillar.
 - Check for damage on the connector and the wire harness.

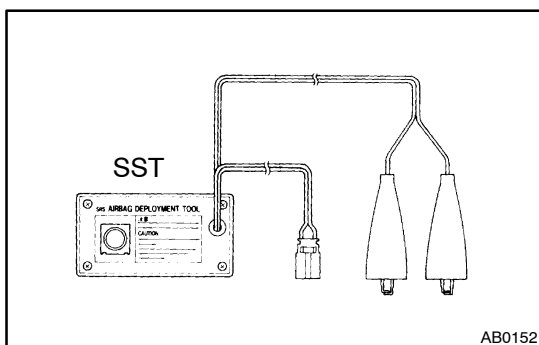
DISPOSAL

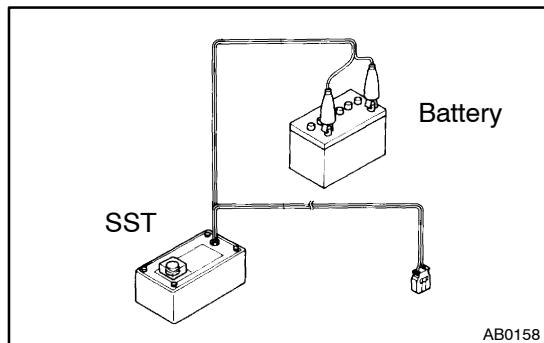
HINT:

Before scrapping vehicles equipped with a seat belt pretensioner or disposing of a front seat outer belt (with seat belt pretensioner), be sure to activate the seat belt pretensioner in accordance with the procedure described below. If any abnormality occurs in the seat belt pretensioner operation, contact the SERVICE DEPT. of DISTRIBUTOR. When disposing of a front seat outer belt (with seat belt pretensioner) activated in a collision, follow the same procedure given in step 1-(e) in "DISPOSAL".

CAUTION:

- **Never dispose of front seat outer belt which has an inactivated pretensioner.**
- **The seat belt pretensioner produces a sizeable exploding sound when it is activated, so perform the operation outdoors and where it will not create a nuisance to nearby residents.**
- **When activating the seat belt pretensioner, always use the specified SST (SRS Airbag Deployment Tool). Perform the operation in a place away from electrical noise.**
SST 09082-00700, 09082-00770
- **When activating a front seat outer belt (with seat belt pretensioner), perform the operation at least 10 m (33 ft) away from the front seat outer belt.**
- **Use gloves and safety glasses when handling the front seat outer belt with an activated pretensioner.**
- **Always wash your hands with water after completing the operation.**
- **Do not apply water, etc. to the front seat outer belt with an activated pretensioner.**

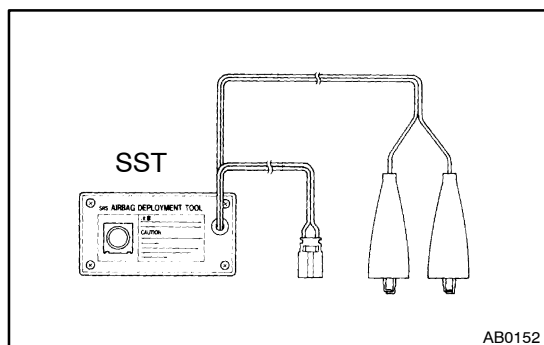




1. SEAT BELT PRETENSIONER ACTIVATION WHEN SCRAPPING VEHICLE

HINT:

Have a battery ready as the power source to activate the seat belt pretensioner.

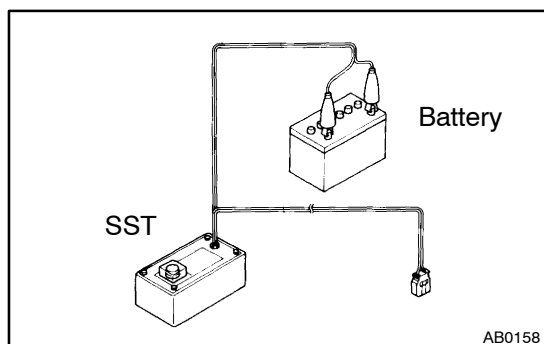


(a) Check the operation of SST.

CAUTION:

When activating the seat belt pretensioner, always use the specified SST: SRS Airbag Deployment Tool.

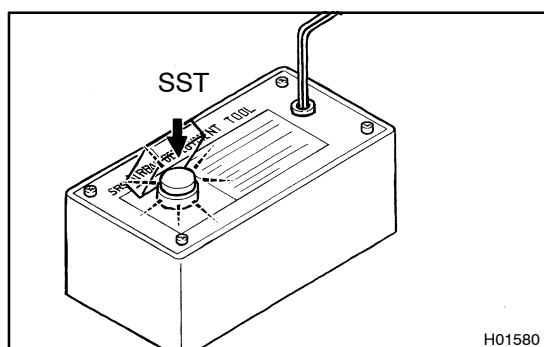
SST 09082-00700



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

HINT:

Do not connect the yellow connector which should be connected with the seat belt pretensioner to the battery.



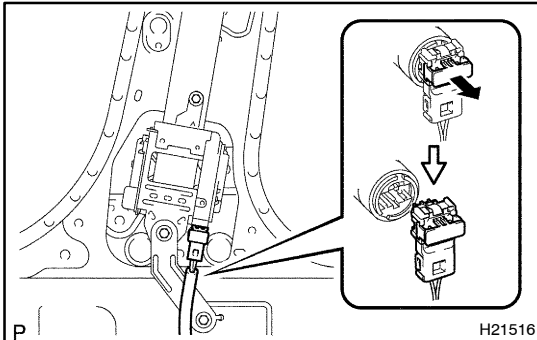
- (2) Press the SST activation switch, and check LED of the SST activation switch comes on.

CAUTION:

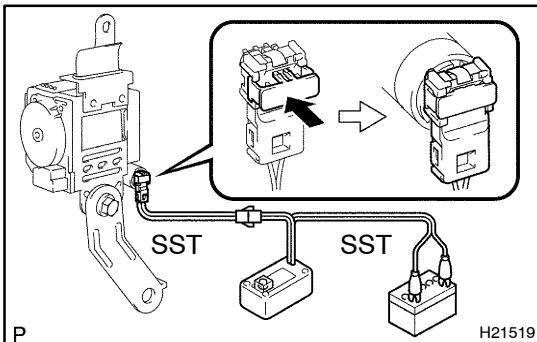
If LED comes on when the activation switch is not being pressed, SST malfunction is probable. In that case, never use the SST.

- (b) Disconnect the pretensioner connector.
 - (1) Remove the front door inside scuff plate.
 - (2) Remove the rear door inside scuff plate.
 - (3) Remove the rear part of the front door opening trim.
 - (4) Remove the front part of the rear door opening trim.

- (5) Remove the center pillar lower garnish.



- (6) Disconnect the pretensioner connector as shown in the illustration.
- (c) Install SST.
- (1) Buckle the front seat belt, and check that there is no looseness and slack in the front seat inner belt and the front seat outer belt.

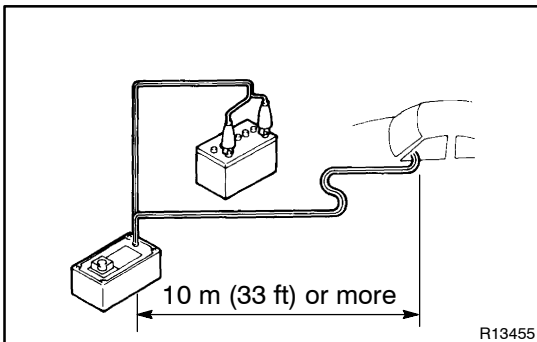


- (2) Connect the 2 SST, then connect them to the seat belt pretensioner.

SST 09082-00700, 09082-00770

NOTICE:

Do not lock the secondary lock of the twin lock to avoid damaging the SST connector and the wire harness.



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

NOTICE:

Take care not to damage the SST wire harness.

- (5) Connect the SST red clip to the battery positive (+) terminal and the SST black clip to the negative (-) terminal.
- (d) Activate the seat belt pretensioner.
- (1) Confirm that no one is inside the vehicle or within 10 m (33 ft) around the vehicle.
- (2) Press the SST activation switch, and activate the seat belt pretensioner.

HINT:

The seat belt pretensioner operates simultaneously as LED of the SST activation switch comes on.

- (e) Dispose of front seat outer belt (with seat belt pretensioner).

CAUTION:

- The front seat outer belt becomes very hot when the seat belt pretensioner is activated, so leave it alone for at least 30 minutes after activation.
- Use gloves and safety glasses when handling the front seat outer belt with an activated seat belt pretensioner.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a front seat outer belt with an activated seat belt pretensioner.

HINT:

When scrapping a vehicle, dispose of the seat belt pretensioner and scrap the vehicle with activated front seat outer belt being installed.

2. ACTIVATION WHEN DISPOSING OF FRONT SEAT OUTER BELT ONLY

NOTICE:

- When disposing of the front seat outer belt (with seat belt pretensioner) only, never use the customer's vehicle to activate the seat belt pretensioner.
- Be sure to follow the procedure below when activating the seat belt pretensioner.

HINT:

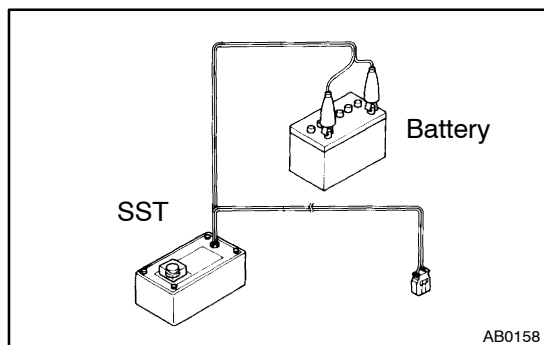
Have a battery ready as the power source to activate the seat belt pretensioner.

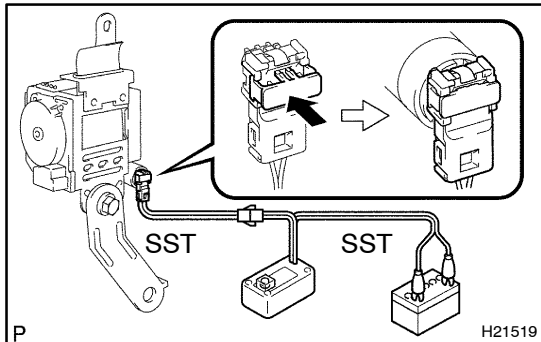
- (a) Remove the front seat outer belt (See Pub. No. RM870E, page BO-147).

HINT:

Cut the belt near the seat belt retractor.

- (b) Check the operation of SST (See step 1-(a)).
SST 09082-00700





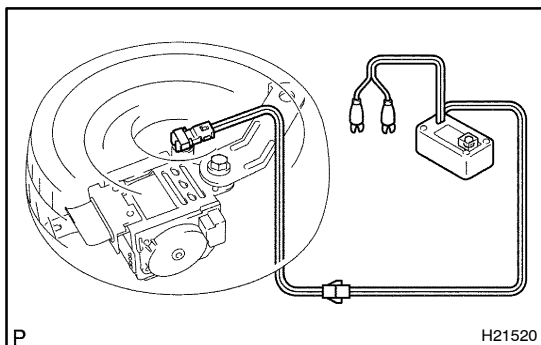
(c) Install the SST.

- (1) Connect the 2 SST, then connect them to the seat belt pretensioner.

SST 09082-00700, 09082-00770

NOTICE:

Take care not to damage the SST connector and the wire harness.



- (2) Place the front seat outer belt on the ground, and cover it with the disc wheel with a tire.

NOTICE:

Place the front seat outer belt as shown in the illustration.

- (3) Move SST at least 10 m (33 ft) away from the disc wheel.

NOTICE:

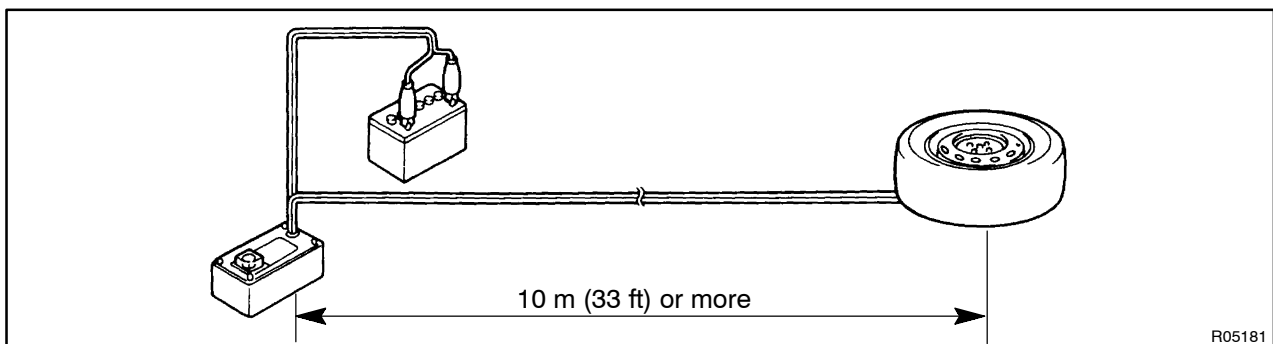
Take care not to damage the SST wire harness.

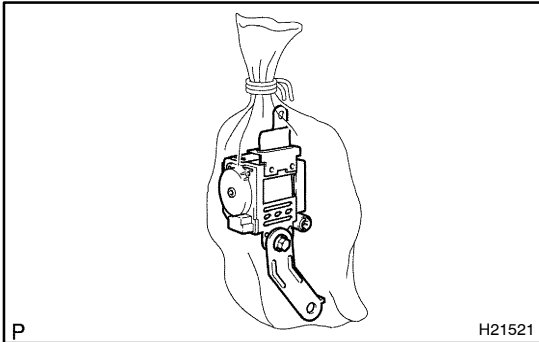
(d) Activate the seat belt pretensioner.

- (1) Connect the SST red clip to the battery positive (+) terminal and the SST black clip to the battery negative (-) terminal.
- (2) Check that no one is within 10 m (33 ft) area around the disc wheel.
- (3) Press the SST activation switch, and activate the seat belt pretensioner.

HINT:

The seat belt pretensioner operates simultaneously as LED of the SST activation switch comes on.





- (e) Dispose of the front seat outer belt (with seat belt pretensioner).

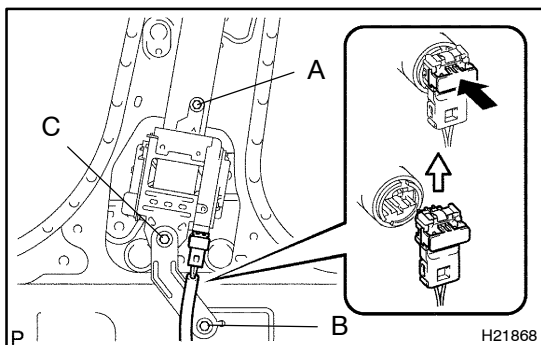
CAUTION:

- **The front seat outer belt becomes very hot when the seat belt pretensioner is activated, so leave it alone for at least 30 minutes after the activation.**
- **Use gloves and safety glasses when handling the front seat outer belt with an activated seat belt pretensioner.**
- **Always wash your hands with water after completing the operation.**
- **Do not apply water, etc. to a front seat outer belt with an activated seat belt pretensioner.**
 - (1) Remove the disc wheel and SST.
 - (2) Place the front seat outer belt in a plastic bag, and tie the end tightly and dispose of it in the same way as other general parts.

INSTALLATION

NOTICE:

- Never use seat belt pretensioner from another vehicle. When replacing parts, replace them with new parts.
- Make sure that the front seat outer belt is installed with the specified torque.
- If the front seat outer belt has been dropped, or if there are cracks, dents or other defects in the case or connector, replace the front seat outer belt with a new one.
- When installing the front seat outer belt, take care that the wiring does not interfere with other parts and is not pinched between other parts.



1. INSTALL FRONT SEAT OUTER BELT

- (a) Install the retractor of the front seat outer belt.
- (1) Install the retractor of the front seat outer belt and floor anchor with the bolt "B".

Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)

- (2) Install the bolt "A".

Torque: 7.8 N·m (80 kgf·cm, 69 in·lbf)

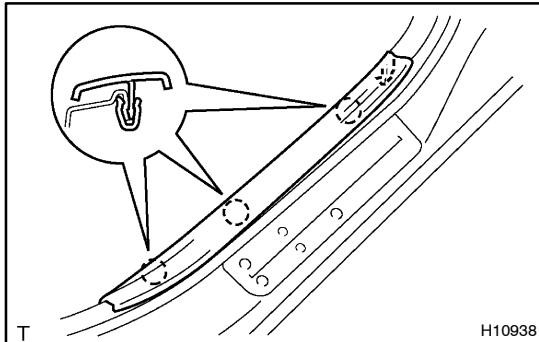
- (3) Connect the pretensioner connector as shown in the illustration.

HINT:

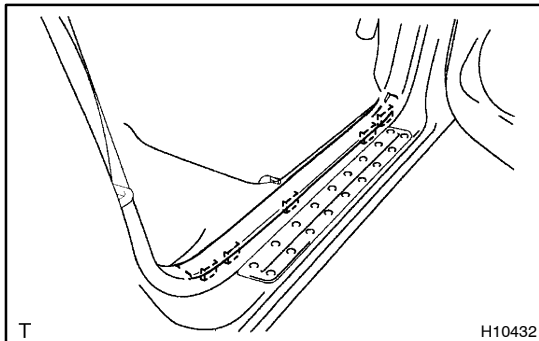
When installing the retractor, be sure to tighten the bolt "B" before tightening the bolt "A".

- (b) Install the anchor cover cap.

- (c) Install the shoulder anchor with the bolt.
Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)
- (d) Install the shoulder anchor cover.
- 2. INSTALL CENTER PILLAR LOWER GARNISH**
Install the center pillar lower garnish to the body.
- 3. INSTALL FRONT PART OF REAR DOOR OPENING TRIM**
- 4. INSTALL REAR PART OF FRONT DOOR OPENING TRIM**



- 5. INSTALL REAR DOOR INSIDE SCUFF PLATE**
Install the rear door inside scuff plate to the body.



- 6. INSTALL FRONT DOOR INSIDE SCUFF PLATE**
Install the front door inside scuff plate to the body.