

FRONT SEAT BELT COMPONENTS

610JU-01

Front Door Opening Trim Weatherstrip RH

Rear Door Opening trim Weatherstrip RH

Rear Door Scuff Plate RH

Center Pillar Garnish Lower RH

Front Door Scuff Plate RH

Shoulder Anchor Cover

Floor Anchor Cover

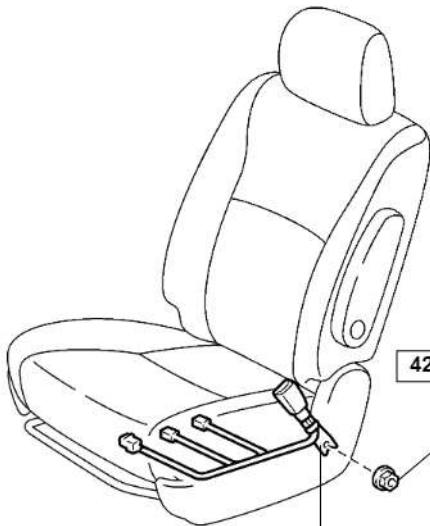
7.5 (77, 66 in. lbf)

42 (428, 31)

42 (428, 31)

42 (428, 31)

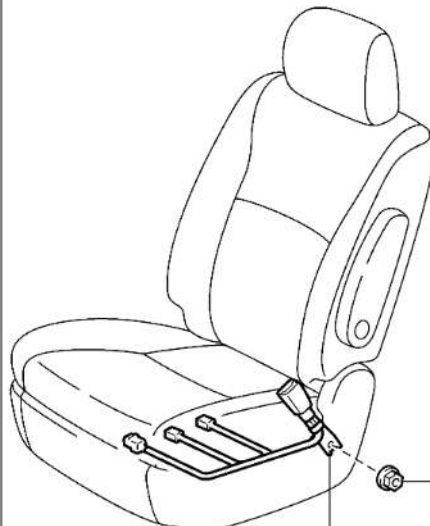
Manual Seat Type



42 (428, 31)

Front Seat Inner Belt Assy RH

Power Seat Type



42 (428, 31)

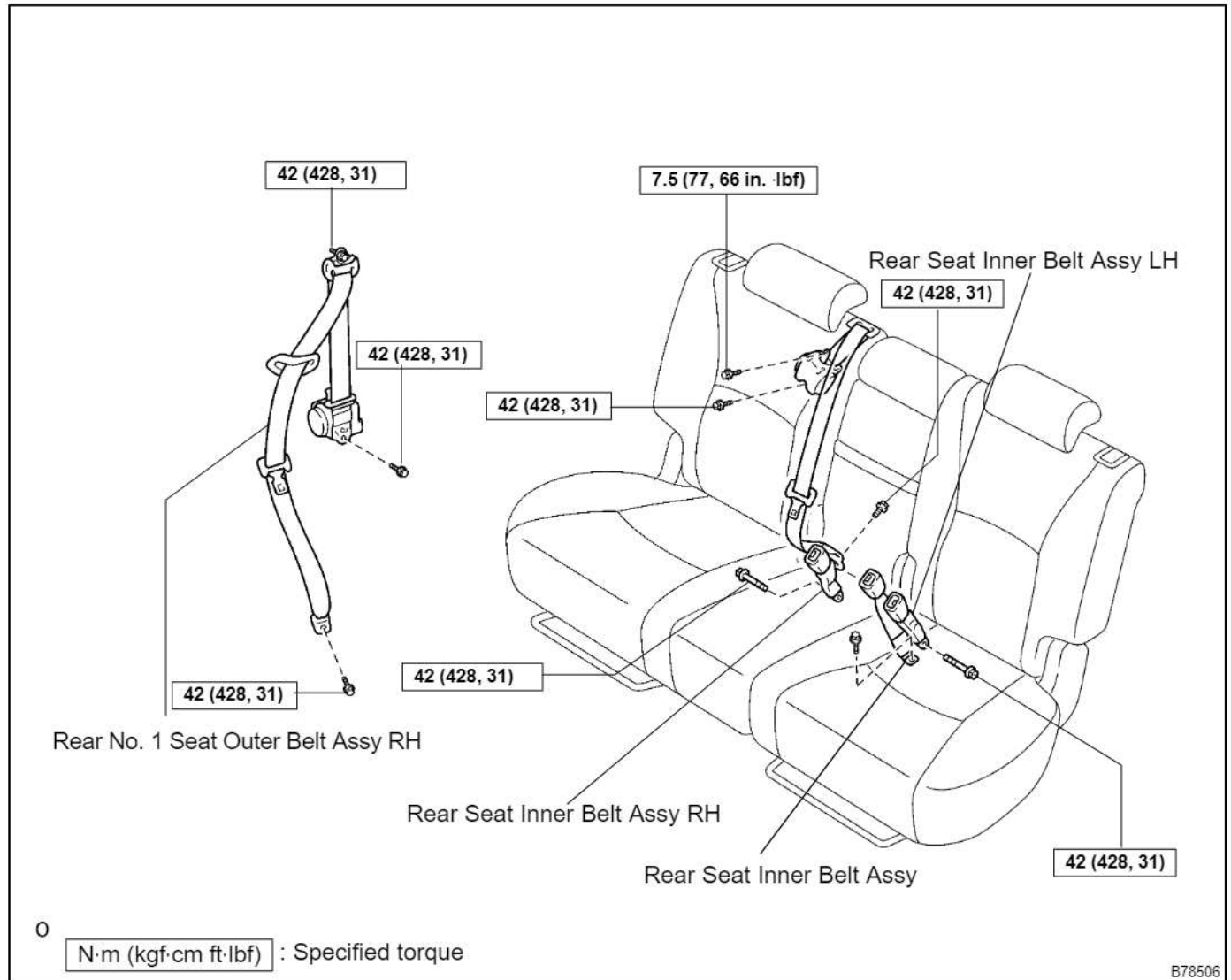
Front Seat Inner Belt Assy RH

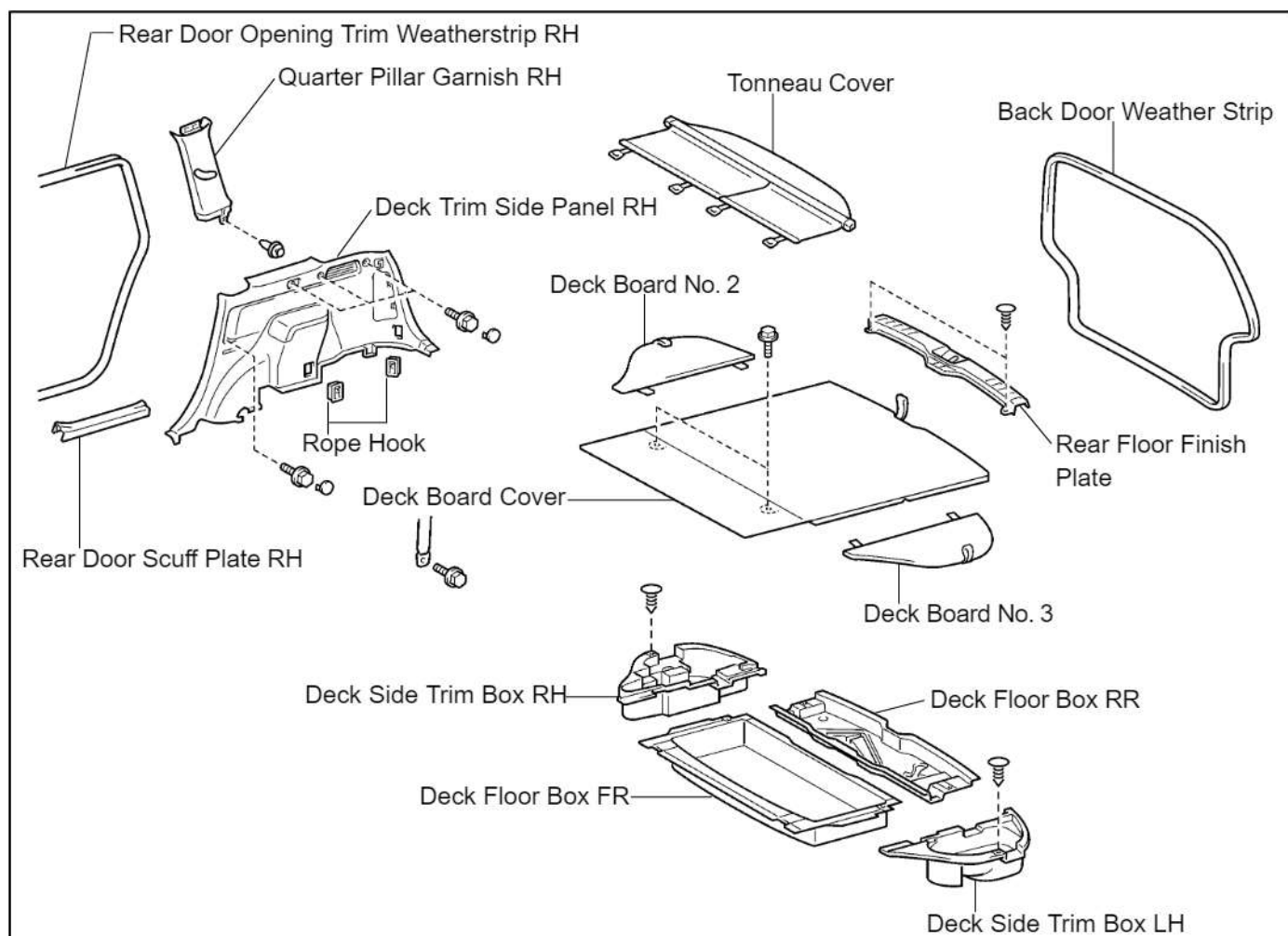
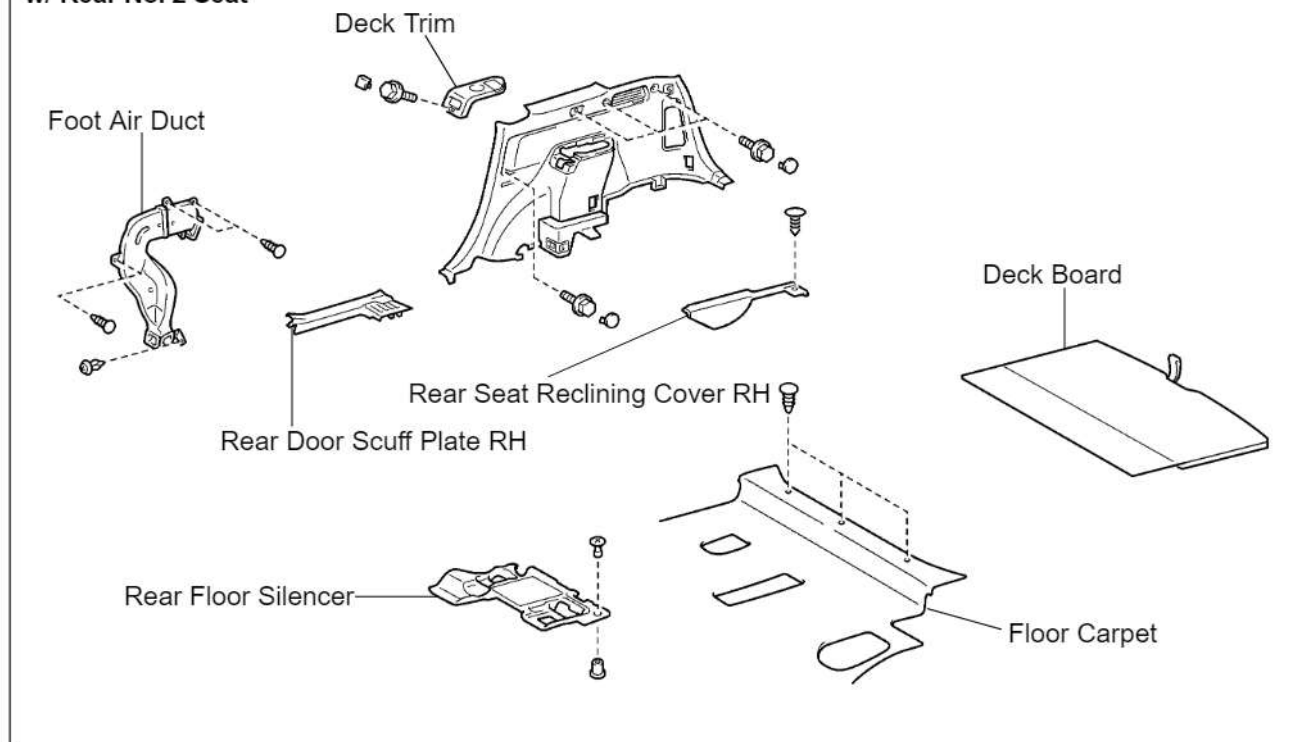
0 N·m (kgf·cm ft·lbf) : Specified torque

B77526

REAR NO.1 SEAT BELT COMPONENTS

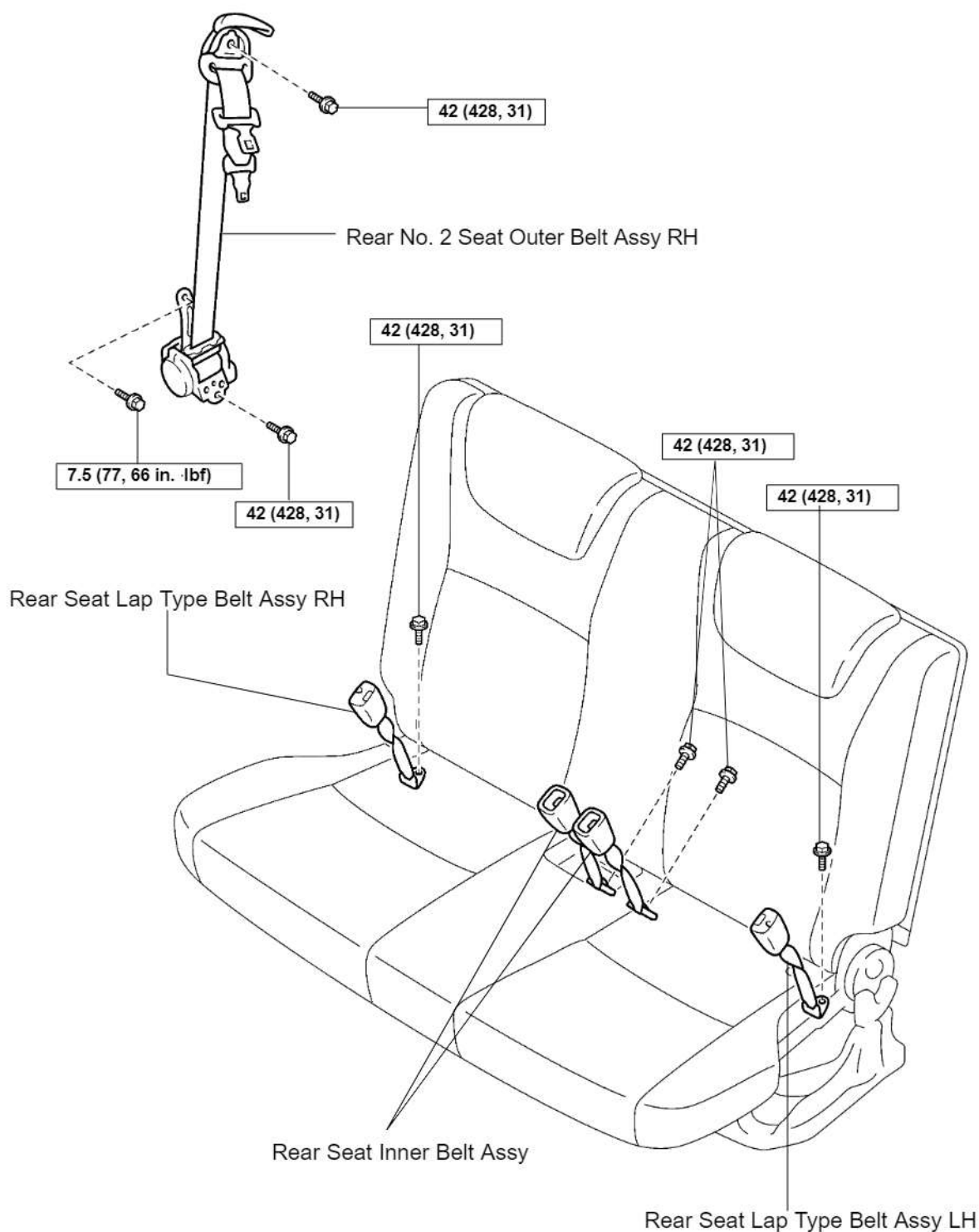
610JX-01



**w/ Rear No. 2 Seat**

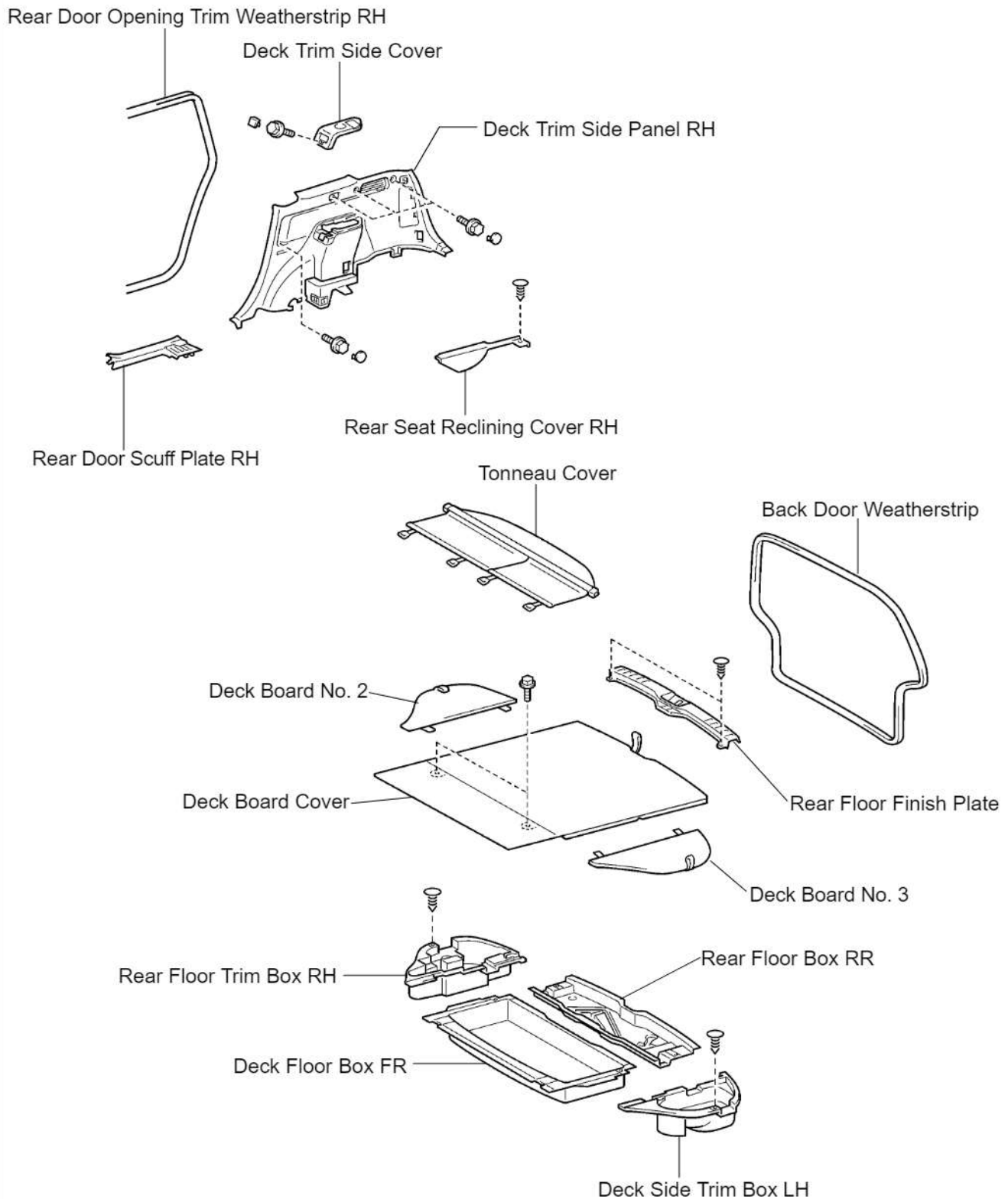
REAR NO.2 SEAT BELT COMPONENTS

610JZ-01



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

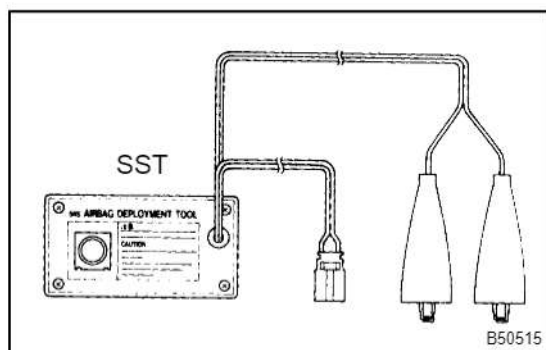
B77529



DISPOSAL

HINT:

When scrapping vehicles equipped with a seat belt pretensioner or disposing of a front seat outer belt (with seat belt pretensioner), always first activate the seat belt pretensioner in accordance with the procedures described below. If any abnormality occurs during activation of the seat belt pretensioner, contact the SERVICE DEPARTMENT of TOYOTA MOTOR SALES, U.S.A., INC. When disposing of a front seat outer belt assy (with seat belt pretensioner) that was activated in a collision, start with step 1-(f) in this section.



CAUTION:

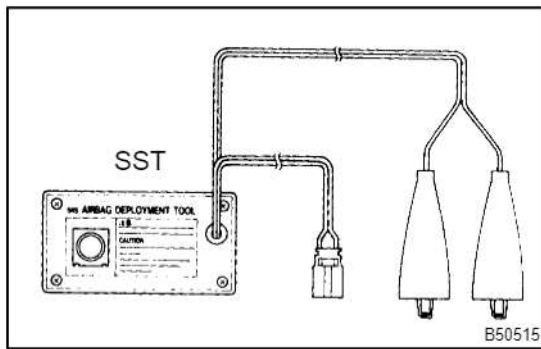
- Never dispose of a front seat outer belt assy that has an inactivated pretensioner.
- The seat belt pretensioner produces a loud, exploding sound when it activates. Perform the operation where it will not be a nuisance to nearby residents.
- When activating a front seat outer belt (with seat belt pretensioner), stand at least 10 m (33 ft) away from the front seat outer belt.
- Use gloves and safety glasses when handling a front seat belt with an activated pretensioner.
- Always wash your hands with water after completing activation.
- Do not apply water to a front seat outer belt that has an activated pretensioner.
- When activating the seat belt pretensioner, always use the specified SST (SRS airbag deployment tool).
- Perform operation in a place away from electrical interference.

SST 09082-00700

1. DISPOSE OF FRONT SEAT OUTER BELT ASSY RH (WHEN INSTALLED IN VEHICLE)

HINT:

Prepare a battery to power activation of the seat belt pretensioner.

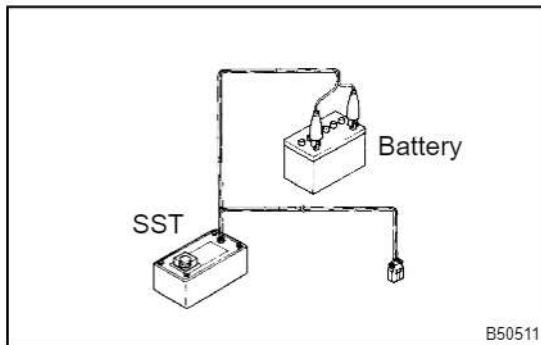


(a) Check if SST is functioning.

CAUTION:

When activating the seat belt pretensioner, always use the specified SST.

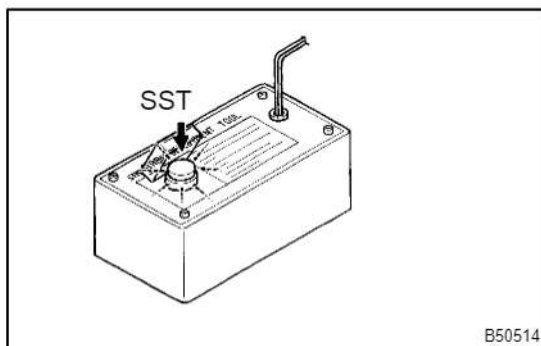
SST 09082-00700, 09082-00770



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

HINT:

Do not connect the yellow connector. The yellow connector is used to connect to the seat belt pretensioner.

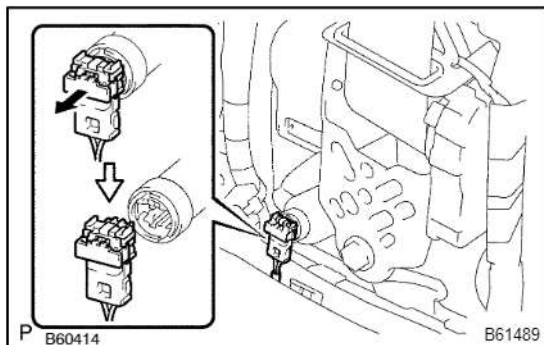


- (2) Press SST activation switch and check that the LED of SST activation switch turn on.

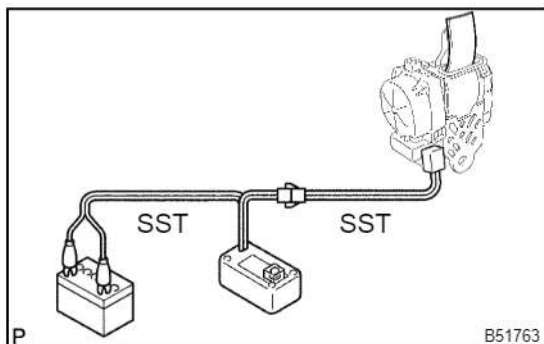
CAUTION:

If the LED turns on when the activation switch is not being pressed, SST may be malfunctioning. Do not use SST.

- (b) Disconnect SST from the battery.
- (c) Disconnect the pretensioner connector.
 - (1) Disconnect the battery's negative (-) terminal.
 - (2) Check the SRS airbag system (see page 60-53).
 - (3) Remove the front door scuff plate RH (see page 76-21).
 - (4) Remove the rear door scuff plate RH (see page 76-21).
 - (5) Remove the front door opening trim weatherstrip RH (see page 76-21).
 - (6) Remove the rear door opening trim weatherstrip RH (see page 76-21).
 - (7) Remove the center pillar garnish lower RH (see page 76-21).
 - (8) Remove the center pillar garnish upper RH (see page 76-21).



- (9) Disconnect the pretensioner connector, as shown in the illustration.
- (d) Connect SST.
- (1) Install the floor anchor of the seat belt.

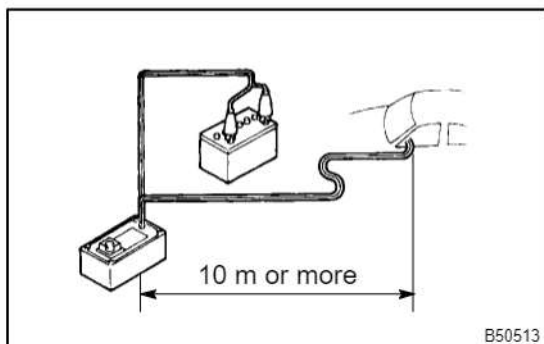


- (2) Connect 2 SSTs, then connect the yellow connector to the seat belt pretensioner.

SST 09082-00700, 09082-00770

NOTICE:

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



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

HINT:

Do not close the windows fully. Leave a gap for inserting SST wire harness.

NOTICE:

Take care not to damage SST wire harness.

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

HINT:

The seat belt pretensioner operates simultaneously with the LED light for SST activation switch.

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

CAUTION:

- Do not touch the outer belt for at least 30 minutes after the seat belt pretensioner has been activated. It is very hot.
- Use gloves and safety glasses when handling an outer belt with a pretensioner that has been activated.
- Always wash your hands with water after completing the operation.
- Do not apply water to a front seat outer belt that has an activated pretensioner

HINT:

When scrapping a vehicle, activate the seat belt pretensioner, and then scrap the vehicle with the activated outer belt installed.

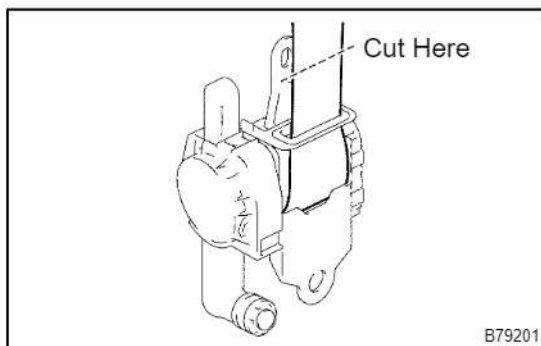
2. DISPOSE OF FRONT SEAT OUTER BELT ASSY RH (WHEN NOT INSTALLED IN VEHICLE)

NOTICE:

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

HINT:

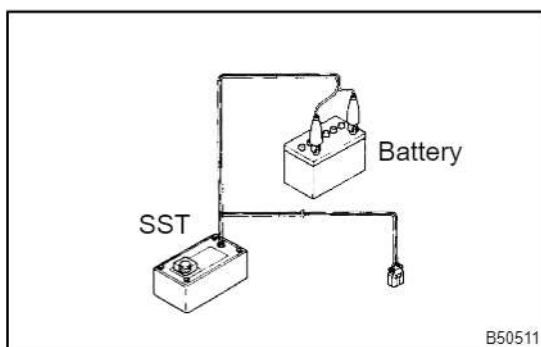
Prepare a battery as the power source to activate the seat belt pretensioner.



- (a) Remove the outer belt (see page 61-4).
- (1) Wind the seat belt with the retractor.
 - (2) When the seat belt is sufficiently wound, cut the seat belt approximately 10 cm from the retractor, as shown in the illustration

HINT:

The seat belt is designed so that winding the seat belt as much as possible before pretensioner activation will decrease the pulling power of the seat belt during pretensioner activation.

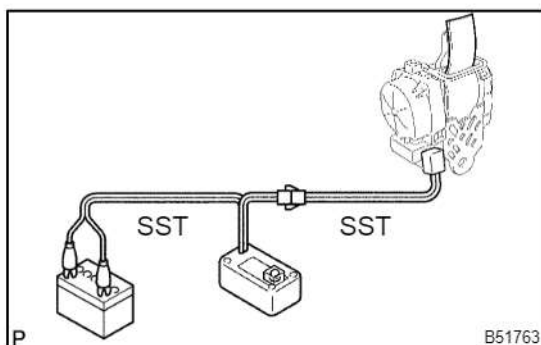


- (b) Check if SST is functioning (see step 1-(a)).

CAUTION:

When activating the seat belt pretensioner, always use the specified SST.

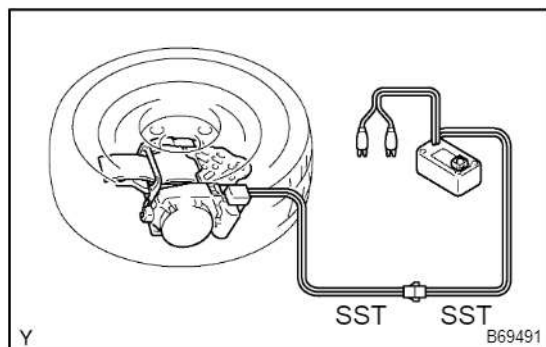
SST 09082-00700, 09082-00770



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

NOTICE:

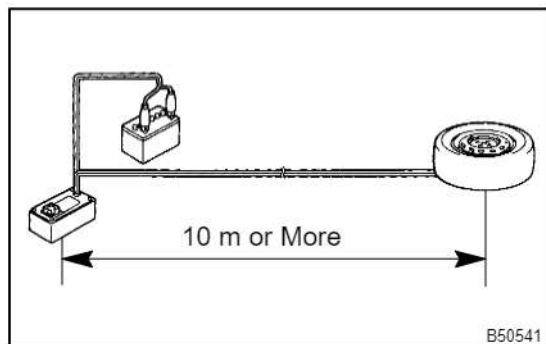
To avoid damaging SST connector and wire harness, do not lock the secondary lock of the twin lock.



- (2) Place the outer belt on the ground and cover it with a tire with a wheel attached.

NOTICE:

Set up the front seat outer belt assy as shown in the illustration.



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

NOTICE:

Take care not to damage the SST wire harness.

- (d) Activate the seat belt pretensioner.

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

HINT:

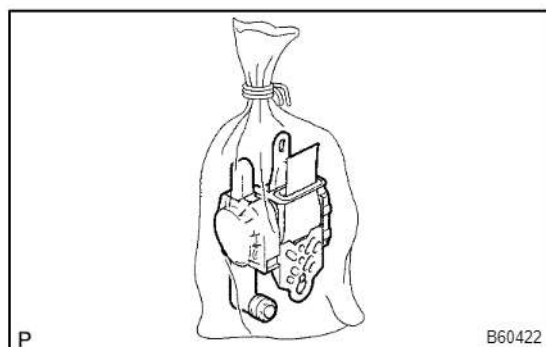
The seat belt pretensioner operates simultaneously with the LED light for SST activation switch.

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

CAUTION:

- Do not touch the outer belt for at least 30 minutes after the seat belt pretensioner has been activated. It is very hot.
- Use gloves and safety glasses when handling an outer belt assy with a pretensioner that has been activated.
- Always wash your hands with water after completing operation.
- Do not apply water to an outer belt assy that has an activated pretensioner.

- (1) Remove the wheel and SST.



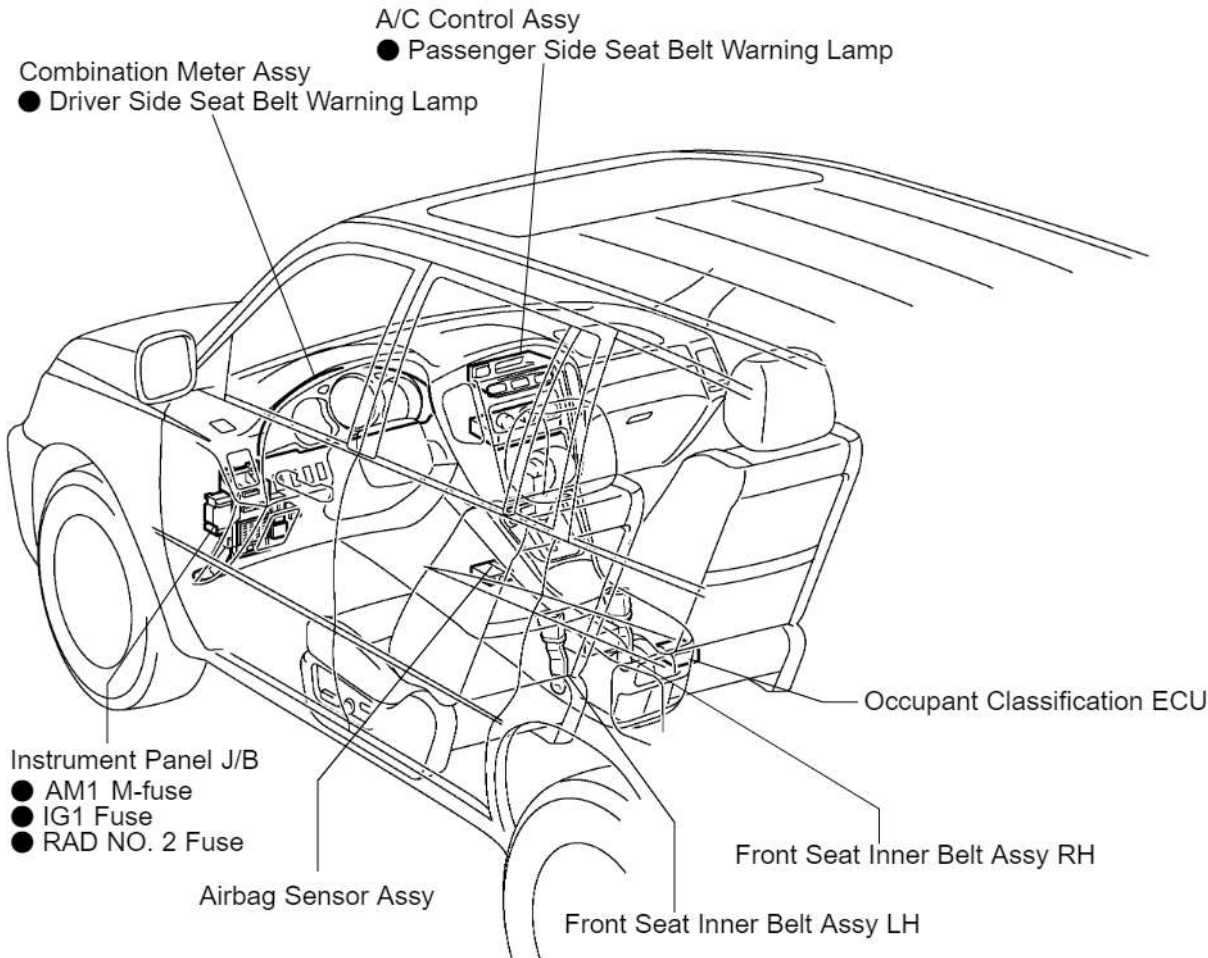
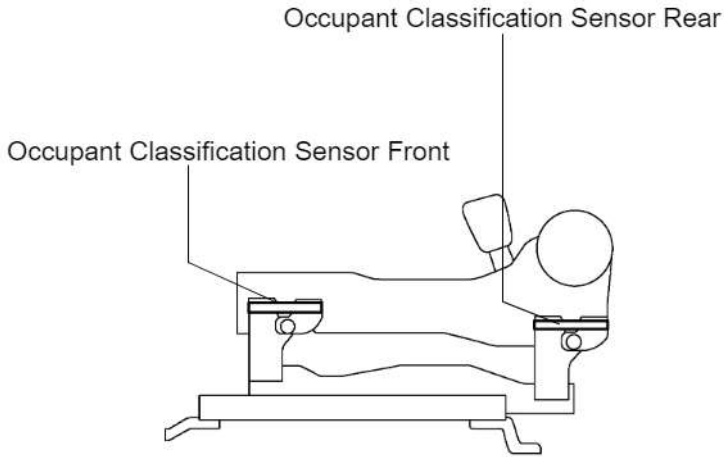
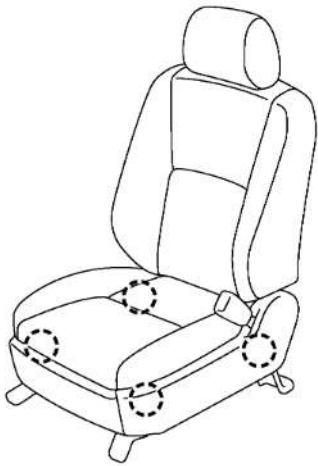
- (2) Place the outer belt in a plastic bag, tie the end tightly and dispose of it in the same way as other general parts.

SEAT BELT WARNING SYSTEM

LOCATION

610JS-01

Passenger Seat



T

B79063

PROBLEM SYMPTOMS TABLE

Symptom	Suspected Area	See Page
Driver side seat belt warning lamp does not flash	1. IG1 fuse	61-1
	2. AM1 M-fuse	61-1
	3. RAD NO. 2 fuse	61-1
	4. Combination meter	05-1898
	5. Front seat inner belt assy LH	05-1228
	6. Airbag sensor assy	05-1228
	7. Wire harness	05-1228
Passenger side seat belt warning lamp does not flash	1. IG1 fuse	61-1
	2. AM1 M-fuse	61-1
	3. RAD NO. 2 fuse	61-1
	4. A/C control assy	05-1228
	5. Front seat inner belt assy RH	05-1228
	6. Occupant classification sensor	05-1228
	7. Occupant classification ECU	05-1228
	8. Wire harness	05-1228

NOTICE:

The front seat inner belt RH and LH cannot be inspected. When the front seat inner belt seems to be malfunctioning, use the hand-held tester to check for DTCs.

HINT:

The seat belt warning system is part of the large-scale multiplex communication system. This system features shared communication wiring that reduces the wiring complexity of the communication lines. The first step in any repair is to confirm the proper operation of the communication system. Proceed with troubleshooting after the communication has been verified (see multiplex communication system).

REPLACEMENT

HINT:

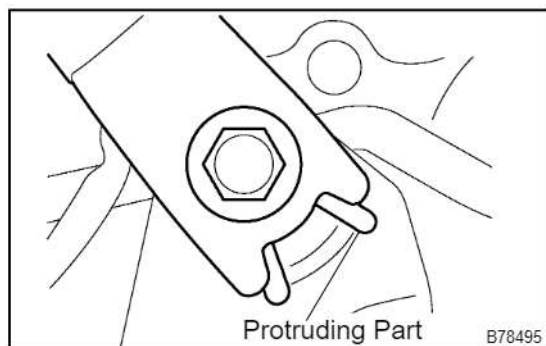
- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the RH side.
- A bolt without a torque specification is shown in the standard bolt chart (see page 03-2).

1. Manual seat type:

REMOVE FRONT SEAT INNER BELT ASSY RH

CAUTION:

- Removal of the seat belt pretensioner must be started at least 90 seconds after the ignition switch is turned OFF and the negative (-) terminal cable is disconnected from the battery.
 - Carefully read the notices for the "pretensioner" in the SRS airbag system section and the front seat outer belt section (see page 60-1).
- Remove the front seat RH (see page 72-1 1).
 - Remove the front seat cushion shield inner RH (see page 72-1 1).
 - Remove the front seat inner belt RH.
 - Disconnect the connector and clamp.
 - Remove the nut and belt.



- Install the front seat inner belt RH.

- Install the belt with the nut.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

NOTICE:

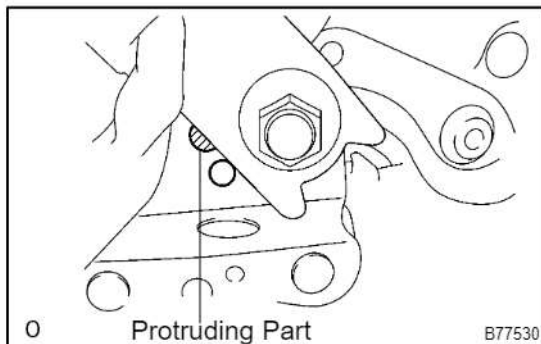
Do not allow the anchor part of the front belt and the protruding part of the floor panel to overlap.

- Connect the clamp and connector.
- Connect the battery's negative battery terminal.
- Initialize the occupant classification sensor (see page 72-1 1 or 72-19).
- Check the SRS warning lamp (see page 60-1).

2. Power seat type:**REMOVE FRONT SEAT INNER BELT ASSY RH****CAUTION:**

- Removal of the seat belt pretensioner must be started at least 90 seconds after the ignition switch is turned OFF and the negative (-) terminal cable is disconnected from the battery.
- Carefully read the notices for the "pretensioner" in the SRS airbag system section and the front seat outer belt section (see page 60-1).

- Remove the front seat assy RH (see page 72-1 1).
- Remove the power seat switch knobs (see page 72-1 1).
- Disconnect the connector and clamp.
- Remove the nut and belt.



- Install the belt with the nut.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

NOTICE:

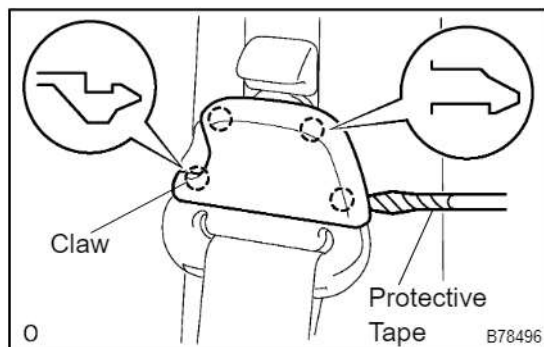
Do not allow the anchor part of the front belt and the protruding part of the floor panel to overlap.

- Connect the clamp and connector.
- Connect the battery's negative battery terminal.
- Initialize the occupant classification sensor (see page 72-1 1 or 72-19).
- Check the SRS warning lamp (see page 60-1).

3. REMOVE FRONT SEAT OUTER BELT ASSY RH**CAUTION:**

- Removal of the seat belt pretensioner must be started at least 90 seconds after the ignition switch is turned OFF and the negative (-) terminal cable is disconnected from the battery.
- Carefully read the notices for the "pretensioner" in the SRS airbag system section and the front seat outer belt section (see page 60-1).

- Remove the front door scuff plate RH (see page 76-21).
- Remove the rear door scuff plate RH (see page 76-21).
- Remove the front door opening trim weatherstrip (see page 76-21).
- Remove the rear door opening trim weatherstrip (see page 76-21).
- Remove the center pillar garnish lower RH (see page 76-21).

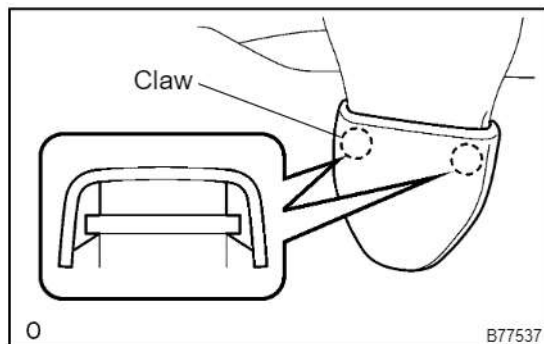


- (f) Remove the front seat outer belt assy RH.
- (1) Using a screwdriver, disengage the 4 claws and remove the shoulder belt anchor cover.

HINT:

Tape the screwdriver tip before use.

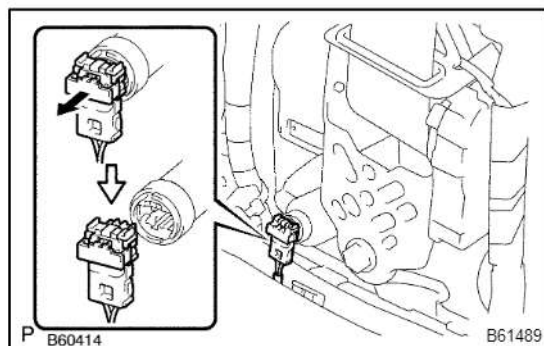
- (2) Remove the bolt and shoulder anchor.



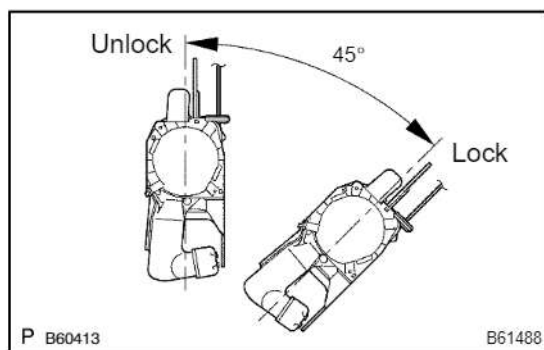
- (3) Using a screwdriver, disengage the 2 claws and remove the floor belt anchor cover.

HINT:

Tape the screwdriver tip before use.



- (4) Disconnect the pretensioner connector, as shown in the illustration.
- (5) Remove the 2 bolts and outer belt.



- (g) Install the front seat outer belt assy RH.
- (1) Check the amount of inclination required to lock the retractor.
 - When the inclination of the retractor is 15° or less, check that the belt can be pulled from the retractor. When the inclination of the retractor is over 45°, check that the belt locks.

NOTICE:

Do not disassemble the retractor.

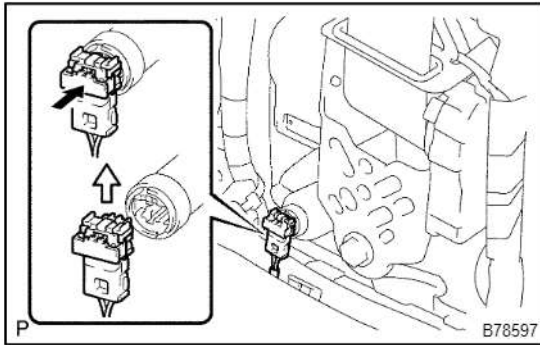
If operation is not as specified, replace the outer belt assy.

- (2) Install the front seat outer belt assy RH.

Torque:

7.5 N·m (77 kgf·cm, 66 in·lbf) for upper bolt

42 N·m (428 kgf·cm, 31 ft·lbf) for lower bolt



- (3) Connect the pretensioner connector, as shown in the illustration.
- (4) Install the shoulder belt anchor to the shoulder belt anchor adjuster with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

- (h) Install the center pillar garnish lower.
- (i) Install the floor anchor to the front seat with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

- (j) Install the front door scuff plate.
- (k) Install the rear door scuff plate.
- (l) Install the front door opening trim weatherstrip.
- (m) Install the rear door opening trim weatherstrip.
- (n) Connect the battery's negative battery terminal.
- (o) Initialize the occupant classification sensor (see page 72-11 or 72-19).
- (p) Check the SRS warning lamp (see page 60-1).

REPLACEMENT

HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the RH side.
- A bolt without a torque specification is shown in the standard bolt chart (see page 03-2).

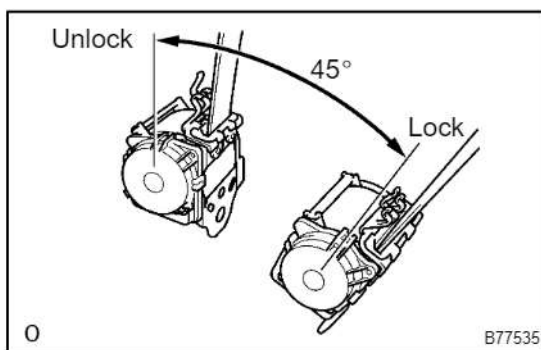
1. REMOVE REAR SEAT INNER BELT ASSY RH

- w/o Rear No. 2 seat:
Remove the deck board (see page 76-21).
- Remove the rear No.1 seat RH (see page 72-35 or 72-54).
- Remove the rear seat belt assy inner RH.
 - Remove the bolt and belt.
- Install the rear seat belt assy inner RH.
 - Install the belt with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

2. REMOVE REAR SEAT OUTER BELT ASSY CENTER

- w/o Rear No. 2 seat:
Remove the deck board (see page 76-21).
- Remove the rear No. 1 seat RH (see page 72-35 or 72-54).
- Remove the rear seatback cover (see page 72-35 or 72-54).
- Remove the rear seat outer belt assy center.
 - Remove the nut, bolt and belt.



- Install the rear seat outer belt assy center.
 - Check the degree of tilt when the belt begins to lock the ELR.

NOTICE:

Do not disassemble the retractor.

- When the inclination of the retractor is 15° or less, check that the belt can be pulled from the retractor. When the inclination of the retractor is over 45° check that the belt locks.

If operation is not as specified, replace the belt assy.

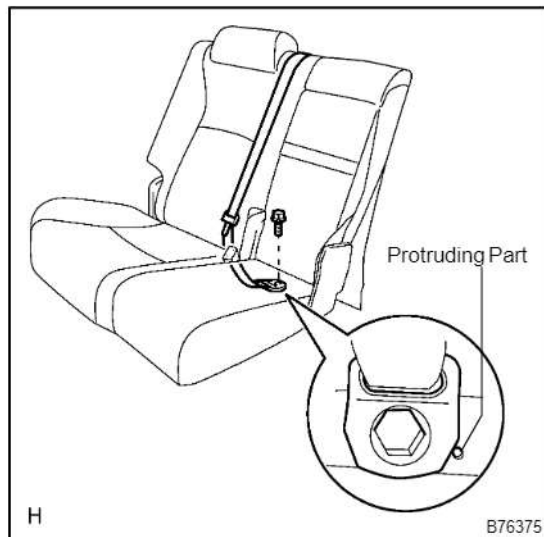
- Install the seat belt with bolt and nut.

Torque:

7.5 N·m (77 kgf·cm, 66 in·lbf) for bolt

42 N·m (428 kgf·cm, 31 ft·lbf) for nut

- Install the seatback cover
(see page 72-35 or 72-54).



(4) Install the floor anchor with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

NOTICE:

Do not allow the anchor part of the rear belt and the protruding parts of the seat cushion frame to overlap.

- With the belt installed, check that the belt locks when it is pulled out quickly.

If operation is not as specified, replace the seat belt assy.

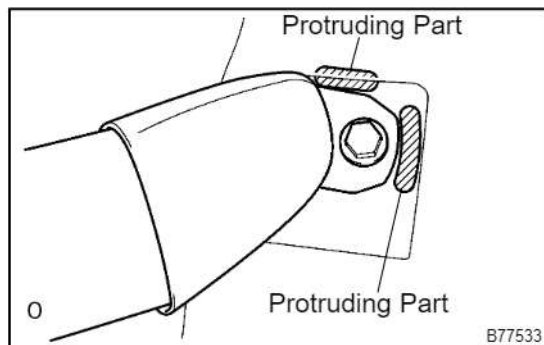
(5) Check the ELR lock.

NOTICE:

The check should be performed with the assembly installed.

- With the belt installed, check that the belt locks when it is pulled out quickly.

If operation is not as specified, replace the belt assy.



3. REMOVE REAR SEAT INNER BELT ASSY

(a) w/o Rear No. 2 seat:

Remove the deck board (see page [76-21](#)).

(b) Remove the rear No. 1 seat LH (see page [72-35](#) or [72-54](#)).

(c) Remove the rear seat inner belt assy.

(1) Remove the bolt and belt.

(d) Install the rear seat inner belt assy.

(1) Install the belt with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

NOTICE:

Do not allow the anchor part of the rear belt and the protruding parts of the floor panel to overlap.

4. REMOVE REAR SEAT INNER BELT ASSY LH

(a) w/o Rear No. 2 seat:

Remove the deck board (see page [76-21](#)).

(b) Remove the rear No.1 seat LH (see page [72-35](#) or [72-54](#)).

(c) Remove the rear seat inner belt assy LH.

(1) Remove the bolt and belt.

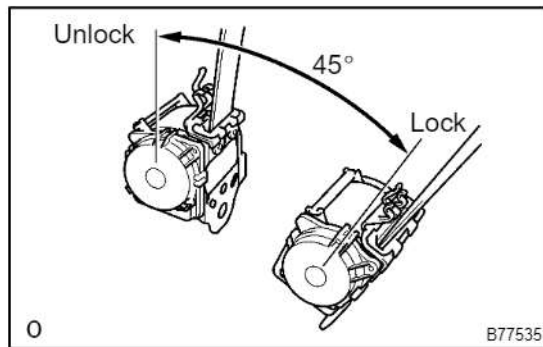
(d) Install the rear seat inner belt assy LH.

(1) Install the belt with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

5. REMOVE REAR SEAT OUTER BELT ASSY RH

- (a) Remove the tonneau cover (see page 76-21).
- (b) Remove the deck board cover (see page 76-21).
- (c) Remove the deck board cover No. 2 (see page 76-21).
- (d) Remove the deck board cover No. 3 (see page 76-21).
- (e) w/ Rear No. 2 seat:
Remove the rear seat reclining cover RH
(see page 76-21).
- (f) Remove the deck floor box RR (see page 76-21).
- (g) w/o Rear No. 2 seat:
Remove the deck floor box FR (see page 76-21).
- (h) Remove the rear floor finish plate (see page 76-21).
- (i) Remove the deck side trim box LH (see page 76-21).
- (j) Remove the deck side trim box RH (see page 76-21).
- (k) Remove the rear No. 1 seat LH (see page 76-21).
- (l) Remove the rear No. 1 seat RH (see page 76-21).
- (m) Remove the rear door scuff plate RH
(see page 76-21).
- (n) Remove the rear door opening trim weatherstrip RH
(see page 76-21).
- (o) Remove the back door weatherstrip (see page 76-21).
- (p) Remove the rope hook (see page 76-21).
- (q) Remove the deck trim side panel RH
(see page 76-21).
- (r) w/ Rear No. 2 seat:
Remove the quarter pillar garnish RH
(see page 76-21).
- (s) w/ Rear No. 2 seat:
Remove the 3 clips and turn over the front floor carpet.
- (t) w/ Rear No. 2 seat:
Remove the 2 clips and rear floor silencer LH and RH.
- (u) w/ Rear A/C:
Remove the 4 clips and foot air duct rear.
- (v) Remove the rear seat outer belt assy RH.
 - (1) Remove the bolt and shoulder anchor.
 - (2) Remove the bolt and belt.



(w) Install the rear seat outer belt assy RH.

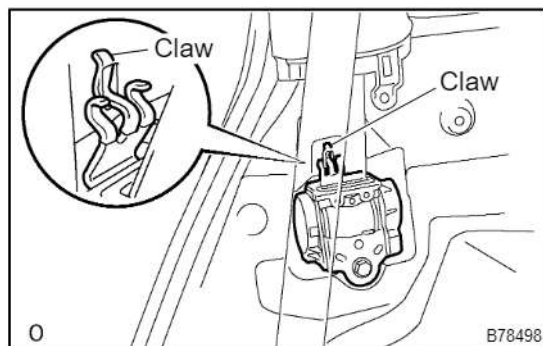
- (1) Check the degree of tilt when the belt begins to lock the ELR.

NOTICE:

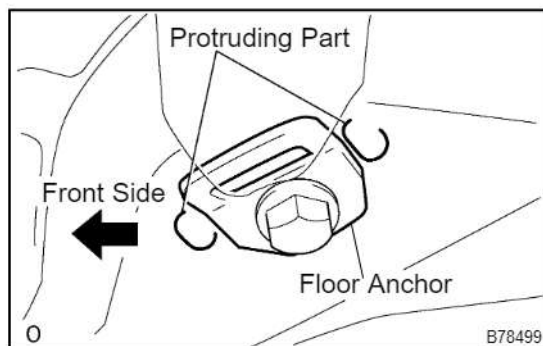
Do not disassemble the retractor.

- When the inclination of the retractor is 15° or less, check that the belt can be pulled from the retractor. When the inclination of the inclination of the retractor is over 45° check that the belt locks.

If operation is not as specified, replace the belt assy.



- (2) Install the belt assy with the bolt, as shown in the illustration.



- (3) Install the rear outer belt with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

NOTICE:

Do not allow the anchor part of the rear belt and the protruding parts of the floor panel to overlap.

- With the belt installed, check that the belt locks when it is pulled out quickly.

If operation is not as specified, replace the seat belt assy.

- (4) Check the ELR lock.

NOTICE:

The check should be performed with the outer belt assy installed.

- With the belt installed, check that the belt locks when it is pulled out quickly.

If operation is not as specified, replace the belt assy.

- (5) Check the fastening function of the child restraint system.

NOTICE:

The check should be performed with the outer belt assy installed.

- When the belt is pulled out fully, the belt should automatically try to retract.
- After the belt has fully retracted, the belt should be able to be pulled out and retracted again.

If operation is not as specified, replace the belt assy.

REPLACEMENT

HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the RH side.
- A bolt without a torque specification is shown in the standard bolt chart (see page 03-2).

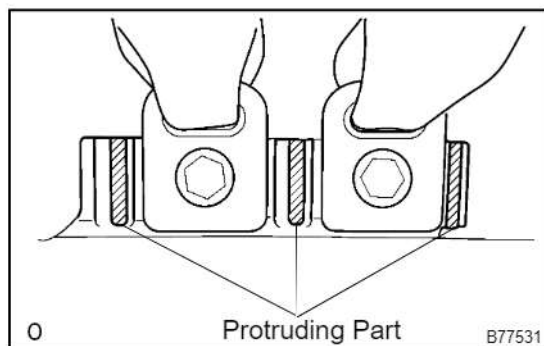
1. REMOVE REAR SEAT LAP TYPE BELT RH

- Remove the rear No. 2 seat (see page 72-61).
- Remove the rear seat lap type belt assy RH.
 - Remove the bolt and belt.
- Install the rear seat lap type belt assy RH.
 - Remove the bolt and belt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

2. REMOVE REAR SEAT INNER BELT ASSY

- Remove the rear No. 2 seat (see page 72-61).
- Remove the rear seat inner belt assy.
 - Remove the 2 bolts and 2 belts.



- Install the rear seat inner belt assy.
 - Remove the 2 bolts and 2 belts.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

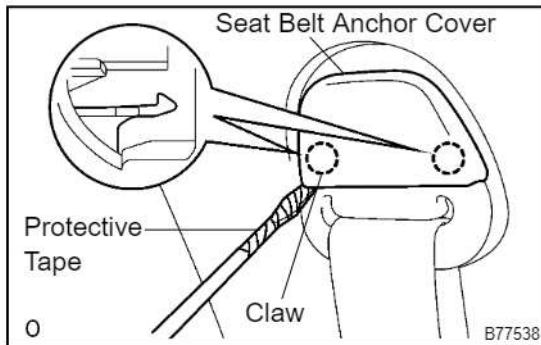
NOTICE:

Do not allow the anchor part of the rear belt and the protruding parts of the floor panel to overlap.

3. REMOVE REAR NO.2 SEAT OUTER BELT ASSY RH

- Remove the tonneau cover (see page 76-21).
- Remove the deck board cover (see page 76-21).
- Remove the deck board cover No. 2 (see page 76-21).
- Remove the deck board cover No. 3 (see page 76-21).
- Remove the rear seat reclining cover LH (see page 76-21).
- Remove the rear seat reclining cover RH (see page 76-21).
- Remove the deck floor box RR (see page 76-21).
- Remove the rear floor finish plate (see page 76-21).
- Remove the deck side trim box LH (see page 76-21).
- Remove the deck side trim box RH (see page 76-21).
- Remove the rear No. 1 seat LH (see page 76-21).
- Remove the rear No. 1 seat RH (see page 76-21).
- Remove the rear No. 2 seat RH (see page 76-21).
- Remove the rear door opening trim weatherstrip RH (see page 76-21).
- Remove the back door weatherstrip (see page 76-21).

- (p) Remove the rope hook (see page 76-21).
- (q) Remove the rear door scuff plate RH (see page 76-21).
- (r) Remove the deck trim side panel RH (see page 76-21).
- (s) Remove the quarter pillar garnish RH (see page 76-21).

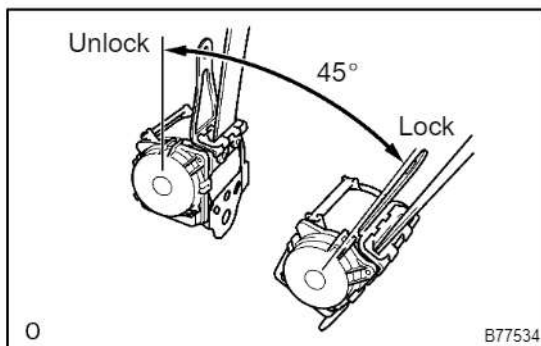


- (t) Remove the rear No. 2 seat belt assy outer RH.
 - (1) Using a screwdriver, open the seat belt anchor cover

HINT:

Tape the screwdriver tip before use.

- (2) Remove the bolt and shoulder anchor.
- (3) Remove the 2 bolts and belt.



- (u) Install the rear No. 2 seat belt assy outer RH.
 - (1) Check the amount of inclination required to lock the retractor.
 - When the inclination of the retractor is 15° or less, check that the belt can be pulled from the retractor. When the inclination of the retractor is over 45°, check that the belt locks.

NOTICE:

Do not disassemble the retractor.

If operation is not as specified, replace the outer belt assy.

- (2) Install the belt with the 2 bolts.

Torque:

7.5 N·m (77 kgf·cm, 66 in·lbf) for upper bolt

42 N·m (428 kgf·cm, 31 ft·lbf) for lower bolt

- (3) Install the shoulder anchor with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)