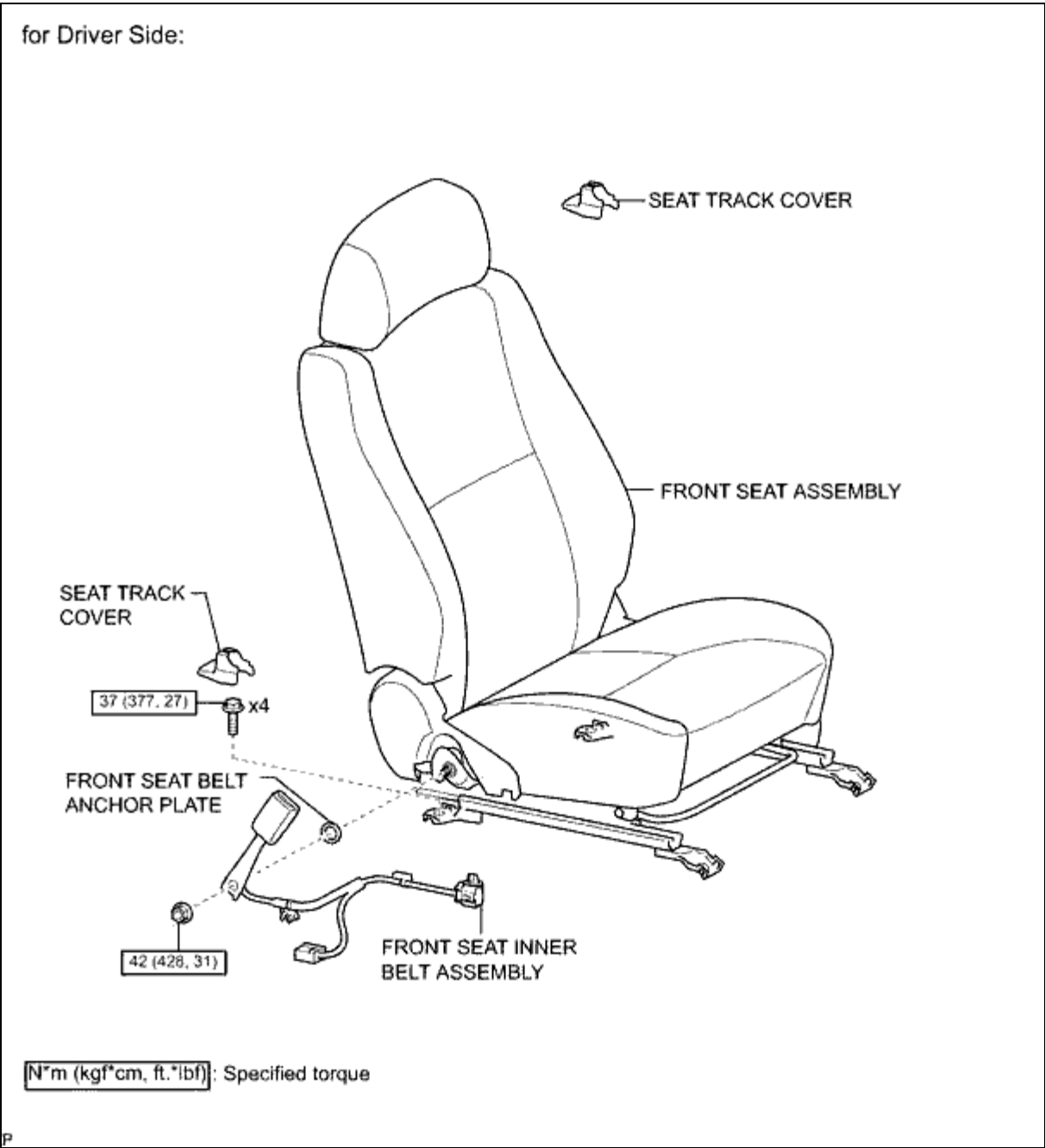


Last Modified: 11-13-2015	6.6 K	Doc ID: RM0000015RB00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT INNER BELT ASSEMBLY: COMPONENTS; 2016 MY Tacoma [08/2015 -]		

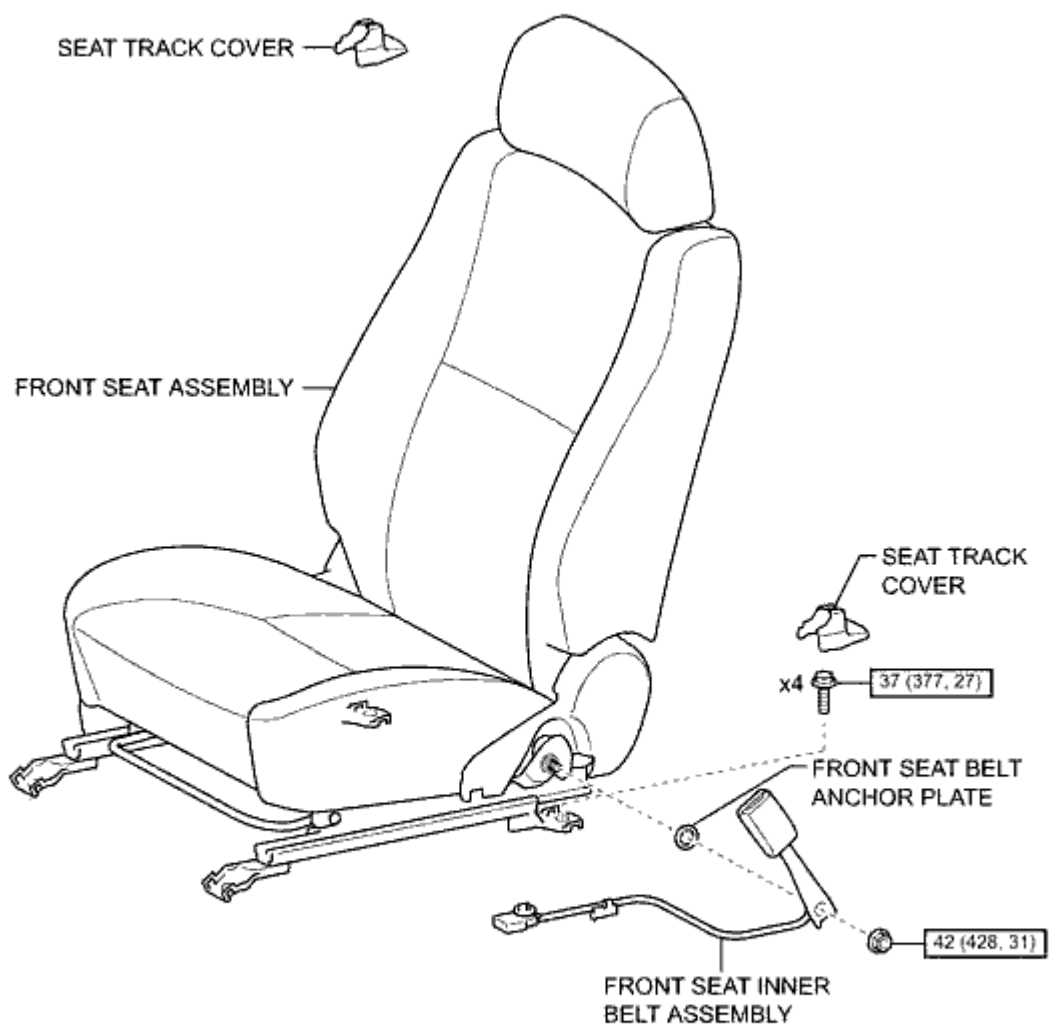
COMPONENTS

ILLUSTRATION



ILLUSTRATION

for Front Passenger Side:



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

P



Last Modified: 11-13-2015	6.6 G	Doc ID: RM0000015RA00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT INNER BELT ASSEMBLY: INSPECTION; 2016 MY Tacoma [08/2015 -]		

INSPECTION

1. INSPECT FRONT SEAT INNER BELT ASSEMBLY LH

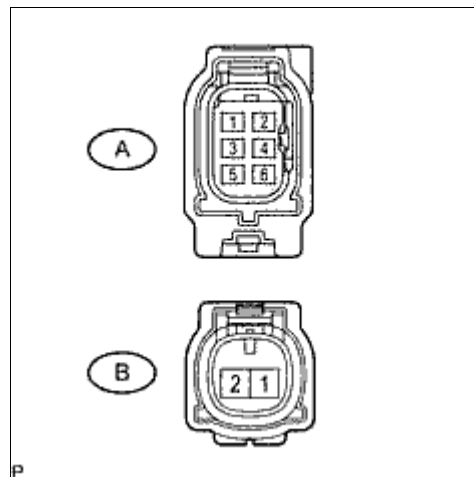
(a) Check the resistance.

(1) Measure the resistance according to the value(s) in the table below.

Standard resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A-3 - B-2	Always	10 k Ω or higher
A-3 - B-1	Always	Below 1 Ω
A-4 - B-1	Always	10 k Ω or higher
A-4 - B-2	Always	Below 1 Ω

If the result is not as specified, replace the front seat inner belt assembly LH.



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT INNER BELT ASSEMBLY: INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

CAUTION:

Some of these service operations affect the SRS airbag system. Read the precautionary notices concerning the SRS airbag system before servicing INFO .

1. INSTALL FRONT SEAT INNER BELT ASSEMBLY

(a) for Driver Side:

- (1) Install the front seat belt anchor plate.

- (2) Install the front seat inner belt assembly with the nut.

Text in Illustration

*a	Protruding Part
----	-----------------

Torque:
42 N·m {428 kgf·cm, 31ft·lbf}

NOTICE:
 Do not allow the anchor part of the front seat inner belt assembly to overlap the protruding part of the front seat with adjuster frame.

- (3) Check that the front seat inner belt rotates smoothly.
- (4) Connect the seat position sensor connector.
- (5) Engage the 3 clamps.

(b) for Front Passenger Side:

- (1) Install the front seat belt anchor plate.

- (2) Install the front seat inner belt assembly with the nut.

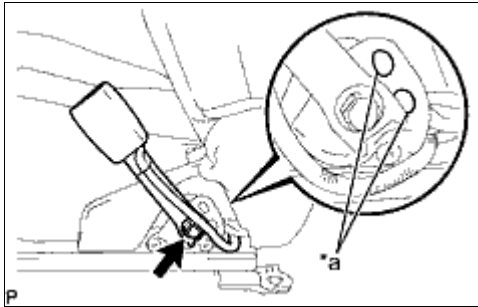
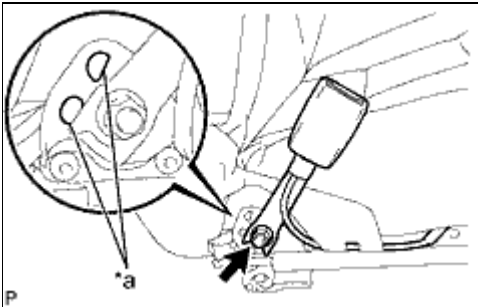
Text in Illustration

*a	Protruding Part
----	-----------------

Torque:
42 N·m {428 kgf·cm, 31ft·lbf}

NOTICE:
 Do not allow the anchor part of the front seat inner belt assembly to overlap the protruding part of the front seat with adjuster frame.

- (3) Check that the front seat inner belt rotates smoothly.



- (4) Engage the 2 clamps.
- (5) Connect the connector.

2. INSTALL FRONT SEAT ASSEMBLY

(a) for Driver Side:

- (1) Install the front seat assembly  .

(b) for Front Passenger Side:

- (1) Install the front seat assembly  .

3. INSTALL SEAT TRACK COVER

(a) for Driver Side:

- (1) Install the seat track cover  .

(b) for Front Passenger Side:

- (1) Install the seat track cover  .

4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Torque:

5.4 N·m {55 kgf·cm, 48in·lbf}

5. INSPECT SRS WARNING LIGHT





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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT INNER BELT ASSEMBLY: REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

CAUTION:

Some of these service operations affect the SRS airbag system. Read the precautionary notices concerning the SRS airbag system before servicing [INFO](#) .

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

2. REMOVE SEAT TRACK COVER

(a) for Driver Side:

(1) Remove the seat track cover [INFO](#) .

(b) for Front Passenger Side:

(1) Remove the seat track cover [INFO](#) .

3. REMOVE FRONT SEAT ASSEMBLY

(a) for Driver Side:

(1) Remove the front seat assembly [INFO](#) .

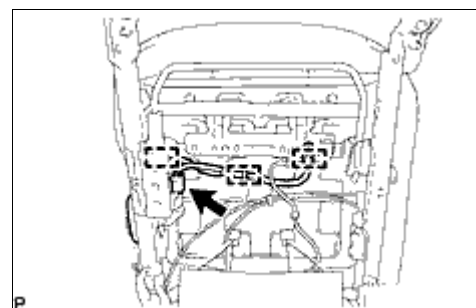
(b) for Front Passenger Side:

(1) Remove the front seat assembly [INFO](#) .

4. REMOVE FRONT SEAT INNER BELT ASSEMBLY

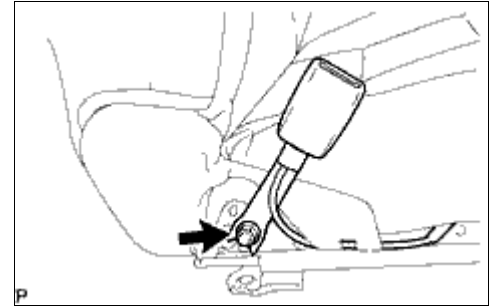
(a) for Driver Side:

(1) Disengage the 3 clamps.



(2) Disconnect the seat position sensor connector.

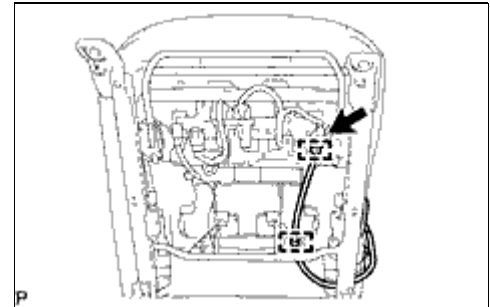
(3) Remove the nut and front seat inner belt assembly.



(4) Remove the front seat belt anchor plate.

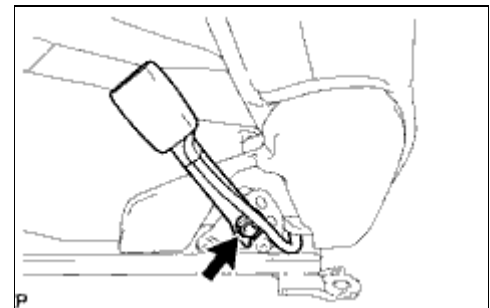
(b) for Front Passenger Side:

(1) Disconnect the connector.



(2) Disengage the 2 clamps.

(3) Remove the nut and front seat inner belt assembly.



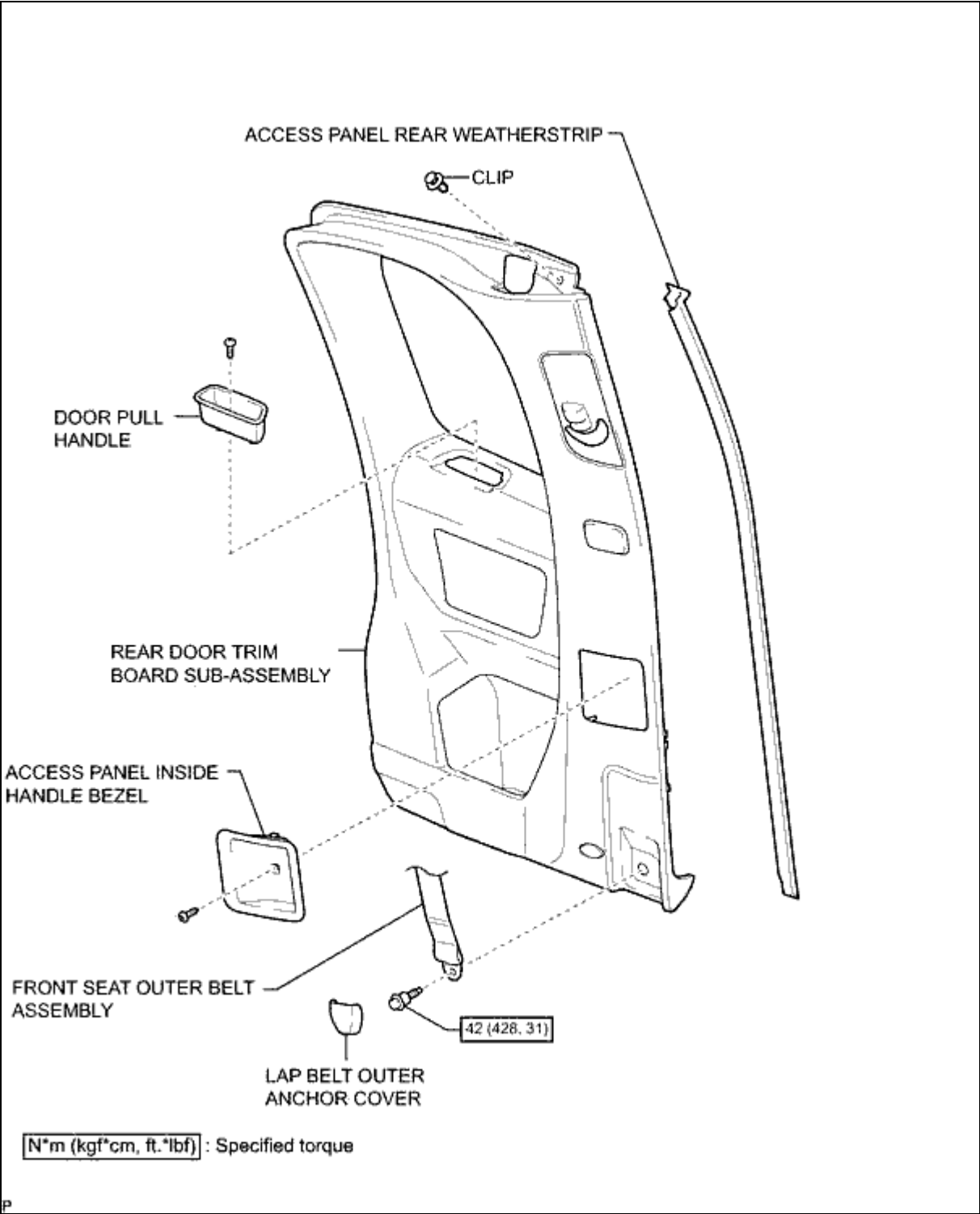
(4) Remove the front seat belt anchor plate.



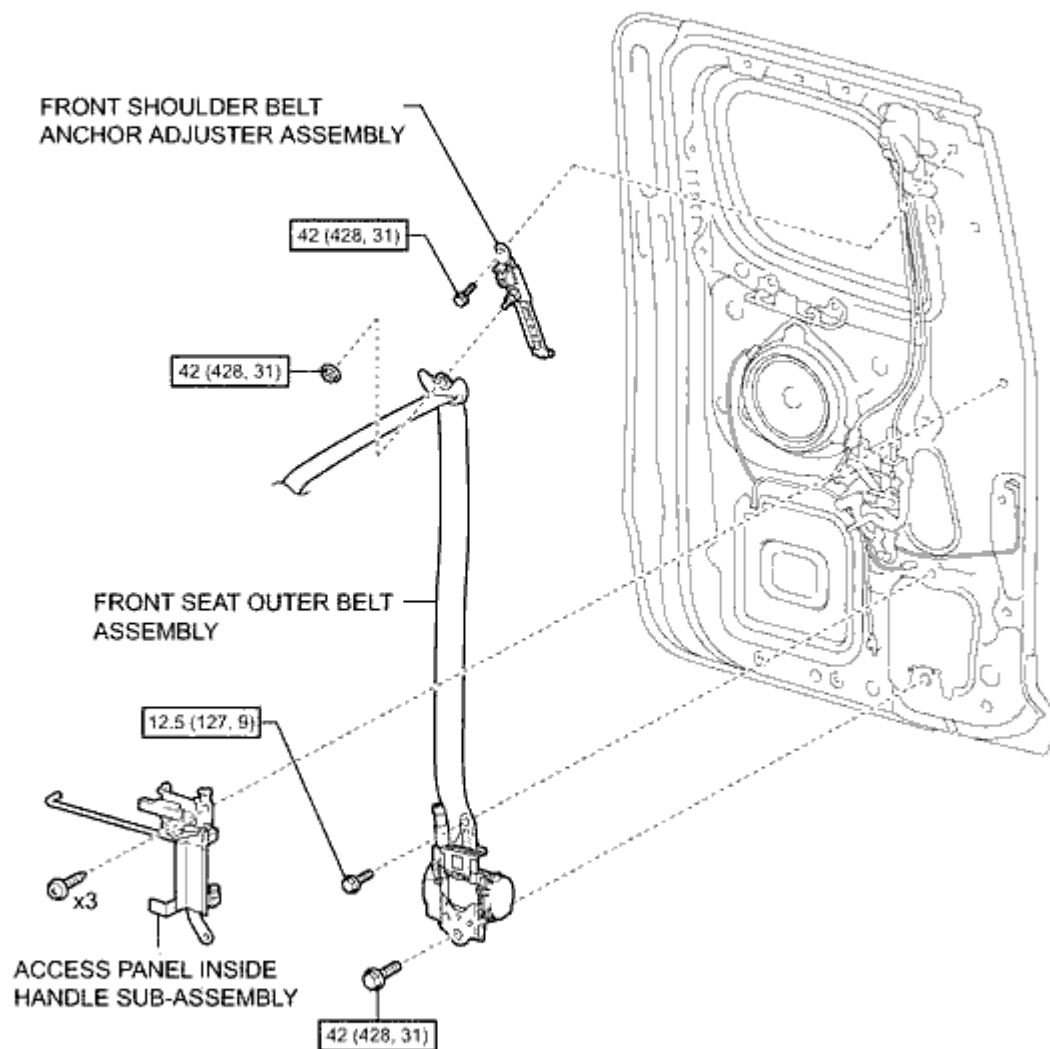
Last Modified: 11-13-2015	6.6 K	Doc ID: RM0000015PZ00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY (for Access Cab): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



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

P



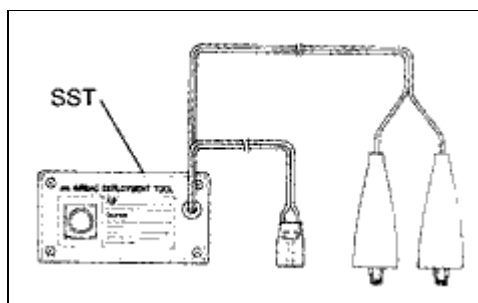
Last Modified: 11-13-2015	6.6 N	Doc ID: RM0000015PX00BX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY (for Access Cab): DISPOSAL; 2016 MY Tacoma [08/2015 -]		

DISPOSAL

CAUTION:

Before performing pre-disposal deployment of any SRS component, review and closely follow all applicable environmental and hazardous material regulations. Pre-disposal deployment may be considered hazardous material treatment.

1. PRECAUTION

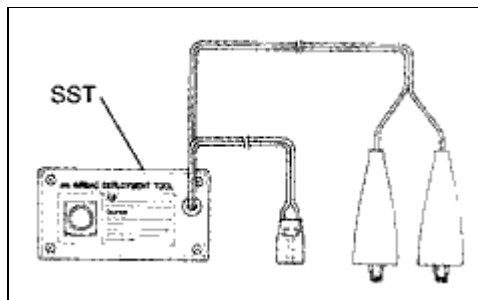


- An airbag or pretensioner may be activated by static electricity. To prevent this, be sure to touch a metal surface with bare hands to discharge static electricity before performing this procedure.
- Never dispose of a front seat outer belt assembly that has an unactivated pretensioner.
- The seat belt pretensioner produces a loud, exploding sound when it activates. Perform the operation outside and where it will not be a nuisance to persons nearby.
- When activating a front seat outer belt assembly (with seat belt pretensioner), stand at least 10 m (32.8 ft.) away from the front seat outer belt assembly.
- When activating the seat belt pretensioner, always use the specified SST (SRS airbag deployment tool).
- The seat belt pretensioner becomes extremely hot when the front seat outer belt assembly is deployed, so do not touch it for at least 30 minutes after deployment.
- Use gloves and safety glasses when handling a front seat outer belt assembly with an activated pretensioner.
- Do not apply water, etc. to a front seat outer belt assembly that has an activated pretensioner.
- Always wash your hands with water after completing the activation.

HINT:

When scrapping vehicles equipped with a seat belt pretensioner or disposing of a front seat outer belt assembly (with a seat belt pretensioner), always deploy the seat belt pretensioner first in accordance with the procedure described below. If any abnormality occurs during deployment of the seat belt pretensioner, contact the service dept. of the distributor.

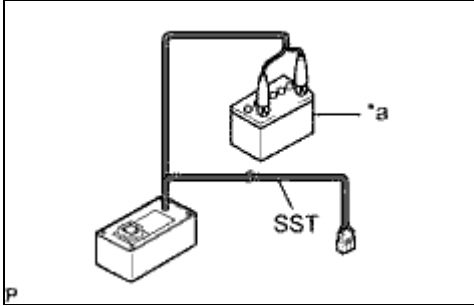
2. DISPOSE OF FRONT SEAT OUTER BELT ASSEMBLY (When Installed in Vehicle)



HINT:

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

(a) Check whether SST is functioning.



Text in Illustration

*a	Battery
----	---------

SST: 09082-00700

SST: 09082-00770

CAUTION:

When deploying a seat belt pretensioner, always use the specified SST.

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

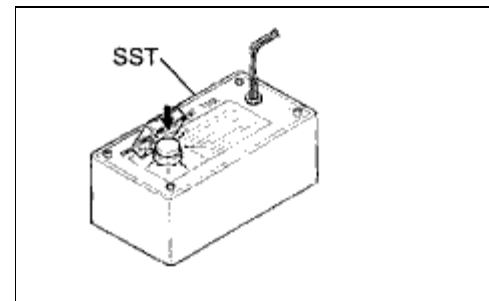
HINT:

At this time, do not connect the yellow connector. It will be connected to the seat belt pretensioner in a later step.

- (2) Press the SST deployment switch and check that the LED of the SST deployment switch illuminates.

CAUTION:

If the LED is illuminated when the deployment switch is not pressed, SST may be malfunctioning. In this case, do not use the malfunctioning SST.



(b) Disconnect SST from the battery.

(c) Disconnect the pretensioner connector.

- (1) Disconnect the cable from the negative (-) battery terminal.
- (2) Remove the access panel rear weatherstrip [INFO](#) .
- (3) Remove the lap belt outer anchor cover [INFO](#) .
- (4) Remove the door pull handle [INFO](#) .
- (5) Remove the access panel inside handle bezel [INFO](#) .
- (6) Remove the rear door trim board [INFO](#) .
- (7) Connect the floor anchor with the bolt.

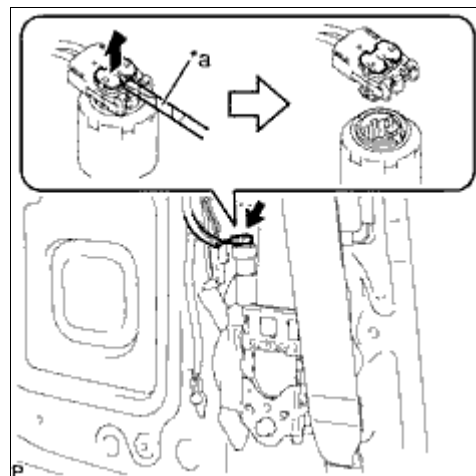
Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

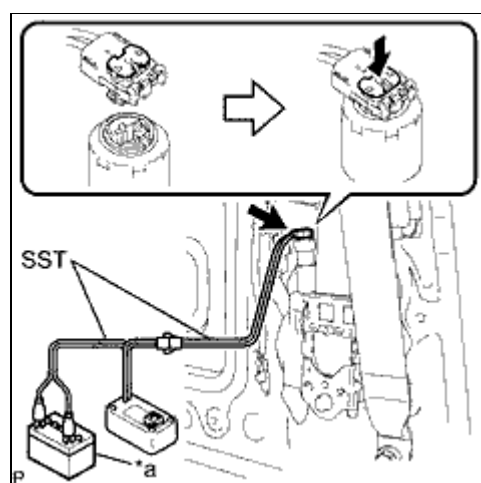
(8) Using a screwdriver with its tip wrapped in protective tape, release the locking button to disconnect the connector.

Text in Illustration

*a	Protective Tape
----	-----------------



(d) Connect SST.



Text in Illustration

*a	Battery
----	---------

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

SST: 09082-00700

SST: 09082-00770

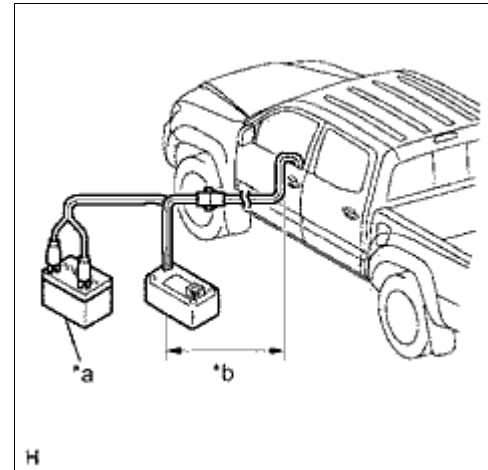
NOTICE:

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

- (2) Move SST at least 10 m (32.8 ft.) away from the front of the vehicle.

Text in Illustration

*a	Battery
*b	10 m (32.8 ft.) or more



- (3) Close all the doors and windows of the vehicle.

HINT:

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

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

- (e) Deploy the seat belt pretensioner.

- (1) Confirm that no one is inside the vehicle or within a 10 m (32.8 ft.) radius of the vehicle.
(2) Press the SST deployment switch to deploy the seat belt pretensioner.

HINT:

The seat belt pretensioner will deploy at the same time as the LED of SST illuminates.

- (f) Dispose of the front seat outer belt assembly.

CAUTION:

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

HINT:

When scrapping a vehicle, deploy the seat belt pretensioner, and then scrap the vehicle with the front seat outer belt assembly installed.

3. DISPOSE OF FRONT SEAT OUTER BELT ASSEMBLY (When not Installed in Vehicle)

CAUTION:

- Use gloves and safety glasses when handling a front seat outer belt assembly with a deployed pretensioner.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a front seat outer belt assembly with a deployed pretensioner.
- When deploying a seat belt pretensioner, always use the specified SST (SRS airbag deployment tool). Perform the operation in a place away from electrical interference.

NOTICE:

- When disposing of a front seat outer belt assembly with a pretensioner, never deploy the seat belt pretensioner in the customer's vehicle.
- Never dispose of a front seat outer belt assembly with a pretensioner that has not been deployed.

- The front seat outer belt assembly produces an exploding sound when the pretensioner deploys, so perform the operation outdoors and where it will not disturb local residents.
- When deploying a seat belt pretensioner, perform the operation at least 10 m (32.8 ft.) away from the front seat outer belt assembly.
- Be sure to follow the procedure listed below when deploying a seat belt pretensioner.

(a) Remove the front seat outer belt assembly **INFO** .

(b) Wind the front seat outer belt assembly webbing with the retractor.

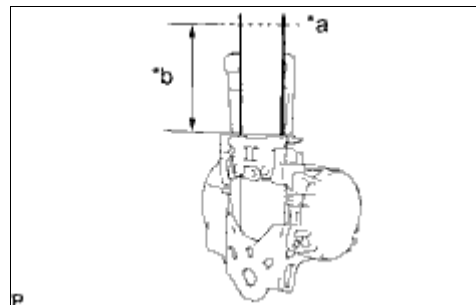
(c) When the front seat outer belt assembly webbing is sufficiently wound, cut the front seat outer belt assembly webbing approximately 100 mm (3.94 in.) from the retractor, as shown in the illustration.

Text in Illustration

*a	Cut
*b	100 mm (3.94 in.)

HINT:

The retractor resistance increases in correlation with how much the front seat outer belt assembly webbing is wound.



(d) Check whether SST is functioning (see step 2-(a)).

Text in Illustration

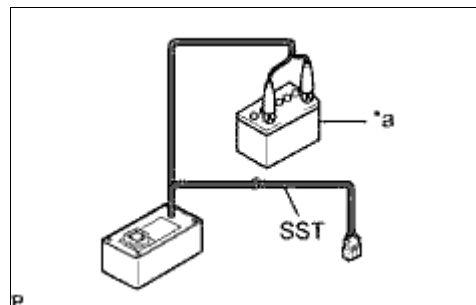
*a	Battery
----	---------

SST: 09082-00700

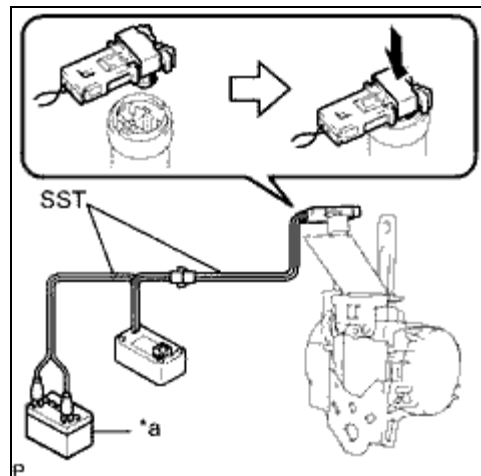
SST: 09082-00770

CAUTION:

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



(e) Connect SST.



Text in Illustration

*a	Battery
----	---------

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

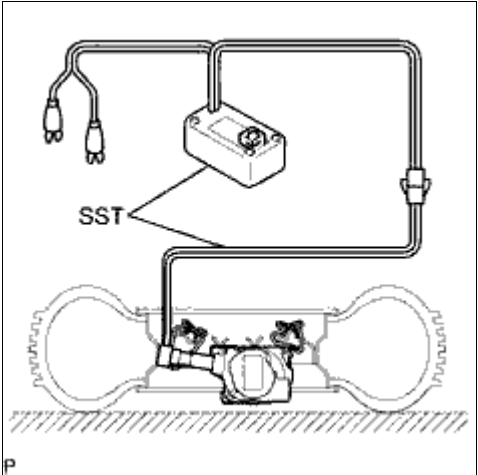
NOTICE:

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

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

NOTICE:

- Position the front seat outer belt assembly as shown in the illustration.
- The tire and disc wheel may be damaged by the seat belt pretensioner deployment, so use an unneeded tire and disc wheel.



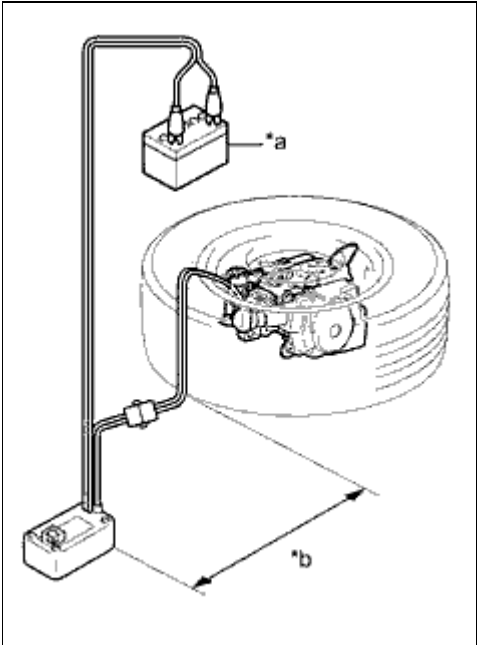
(3) Position and hold SST at least 10 m (32.8 ft.) away from the disc wheel.

Text in Illustration

*a	Battery
*b	10 m (32.8 ft.) or more

NOTICE:

Do not damage the SST wire harness.



(f) Deploy the seat belt pretensioner.

- (1) Check that no one is within a 10 m (32.8 ft.) radius of the disc wheel.
- (2) Connect the red clip of SST to the positive (+) battery terminal and the black clip to the negative (-) battery terminal.
- (3) Press the SST deployment switch to deploy the seat belt pretensioner.

HINT:

The seat belt pretensioner will deploy at the same time as the LED of SST illuminates.

(g) Dispose of the front seat outer belt assembly.

CAUTION:

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



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY (for Access Cab): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

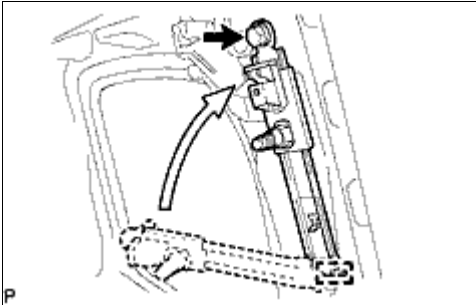
HINT:

- Use the same procedure for both the RH and LH sides.
- The procedure described below is for the LH side.

1. INSTALL FRONT SHOULDER BELT ANCHOR ADJUSTER ASSEMBLY

- (a) As shown in the illustration, engage the 2 guides to install the front shoulder belt anchor adjuster assembly with the bolt.

Torque:
42 N·m {428 kgf·cm, 31ft·lbf}



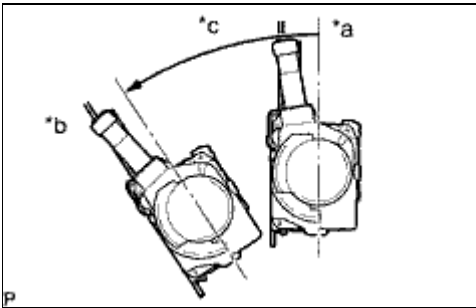
2. INSTALL FRONT SEAT OUTER BELT ASSEMBLY

- (a) Check the angle of inclination required to lock the retractor.

Text in Illustration

*a	Unlock
*b	Lock
*c	45°

- (1) 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.

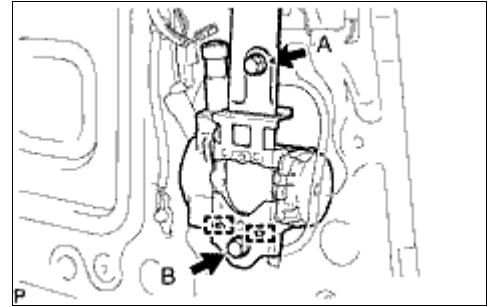


NOTICE:

Do not disassemble the retractor.

If operation is not as specified, replace the front seat outer belt assembly.

- (b) Engage the 2 guides to temporarily install the front seat outer belt assembly with the 2 bolts.



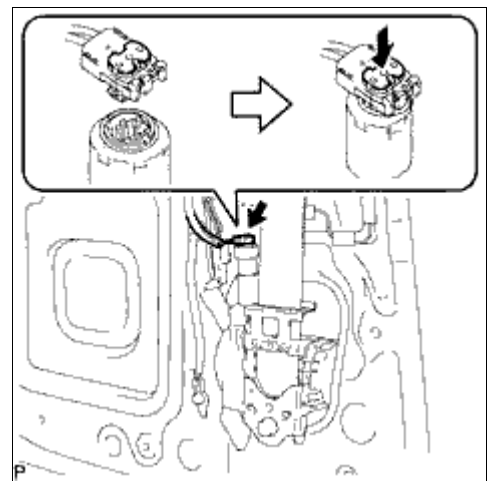
- (c) Tighten bolt A, and then tighten bolt B.

Torque:

12.5 N·m {127 kgf·cm, 9ft·lbf} (for bolt A)

42 N·m {428 kgf·cm, 31ft·lbf} (for bolt B)

- (d) Connect the pretensioner connector and lock the locking button as shown in the illustration.



- (e) Connect the shoulder anchor with the nut.

Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

- (f) Check that the shoulder anchor rotates smoothly.
(g) Connect the floor anchor of the front seat outer belt assembly with the bolt.
(h) Check the ELR lock.

NOTICE:

The check should be performed with the front seat outer belt assembly installed.

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

If the operation is not as specified, replace the front seat outer belt assembly.

- (i) Remove the bolt to disconnect the floor anchor.

3. INSTALL ACCESS PANEL INSIDE HANDLE SUB-ASSEMBLY INFO

4. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY INFO

5. INSTALL DOOR PULL HANDLE INFO

6. INSTALL ACCESS PANEL INSIDE HANDLE BEZEL INFO

7. INSTALL LAP BELT OUTER ANCHOR COVER INFO

8. INSTALL ACCESS PANEL REAR WEATHERSTRIP INFO

9. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Torque:

5.4 N·m {55 kgf·cm, 48in·lbf}

10. INSPECT SRS WARNING LIGHT

INFO



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015Q000JX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY (for Access Cab): REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

HINT:

- Use the same procedure for both the RH and LH sides.
- The procedure described below is for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

2. REMOVE ACCESS PANEL REAR WEATHERSTRIP INFO

3. REMOVE LAP BELT OUTER ANCHOR COVER INFO

4. REMOVE ACCESS PANEL INSIDE HANDLE BEZEL INFO

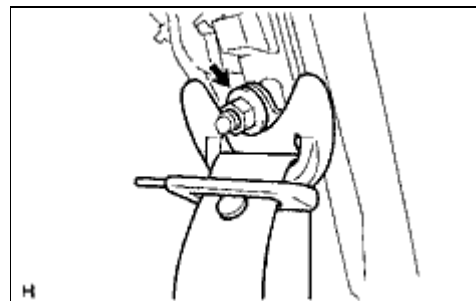
5. REMOVE DOOR PULL HANDLE INFO

6. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY INFO

7. REMOVE ACCESS PANEL INSIDE HANDLE SUB-ASSEMBLY INFO

8. REMOVE FRONT SEAT OUTER BELT ASSEMBLY

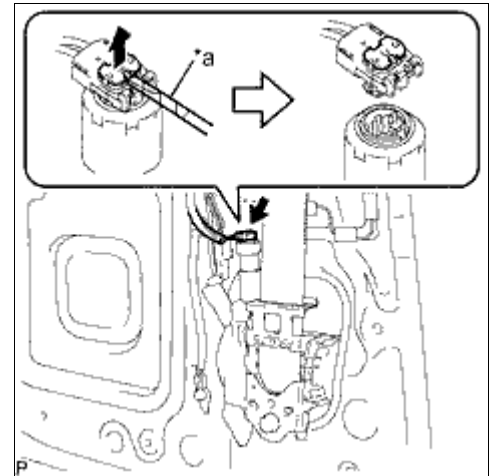
(a) Remove the nut to disconnect the shoulder anchor.



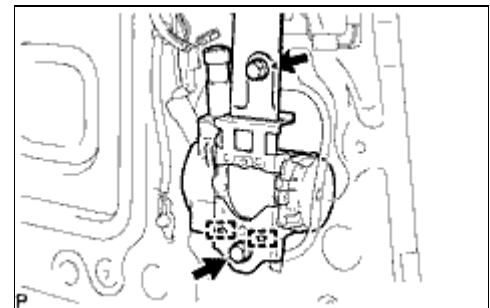
- (b) Using a screwdriver with its tip wrapped in protective tape, release the locking button to disconnect the connector.

Text in Illustration

*a	Protective Tape
----	-----------------



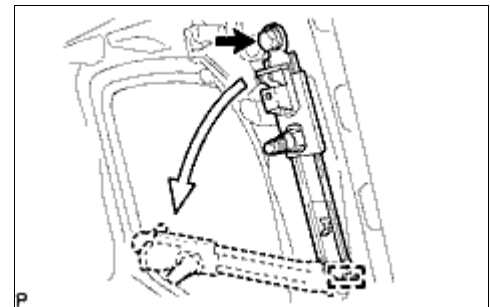
- (c) Remove the 2 bolts.



- (d) Disengage the 2 guides to remove the front seat outer belt assembly.

9. REMOVE FRONT SHOULDER BELT ANCHOR ADJUSTER ASSEMBLY

- (a) Remove the bolt.



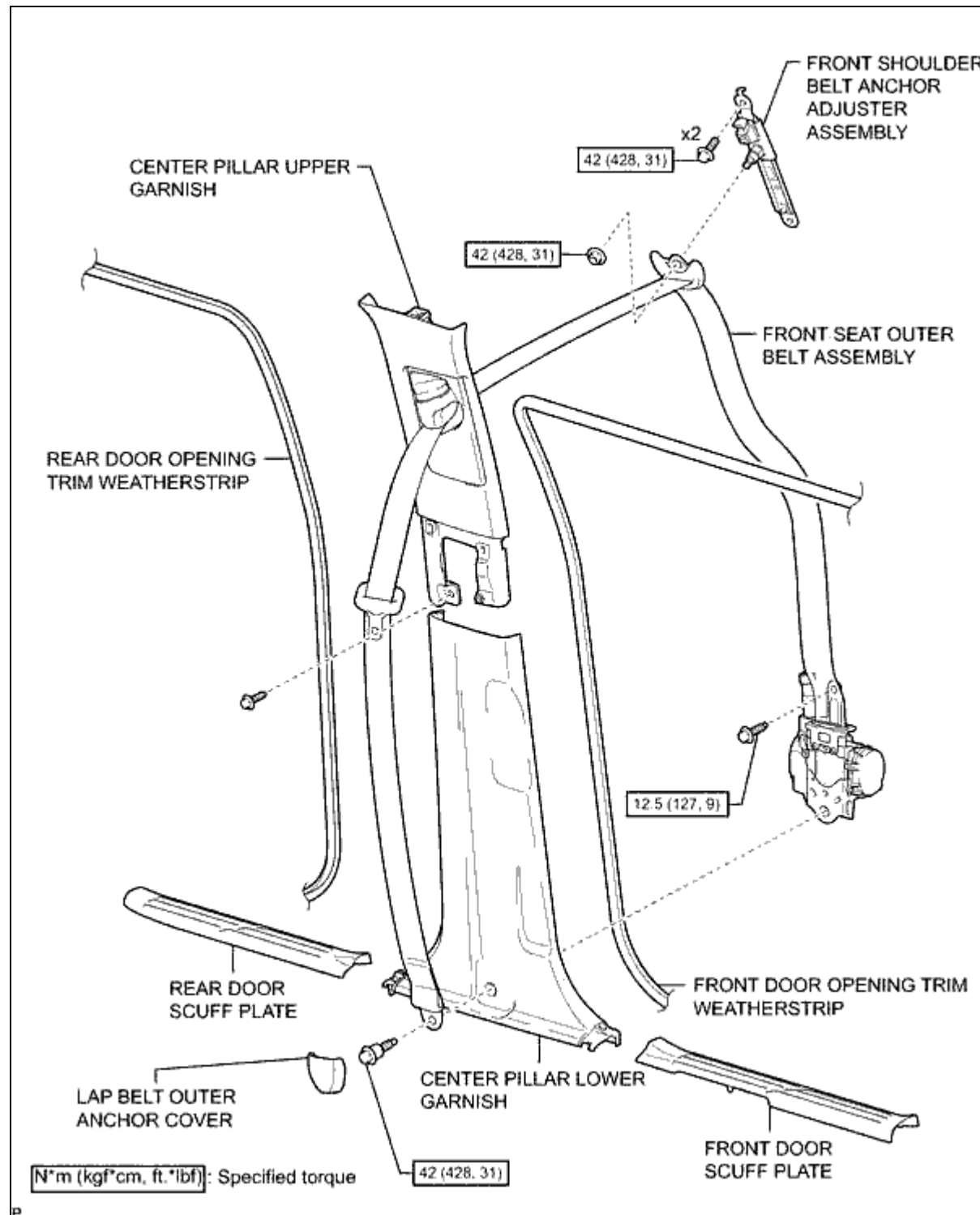
- (b) Disengage the guide to remove the front shoulder belt anchor adjuster assembly as shown in the illustration.



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY (for Double Cab): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION





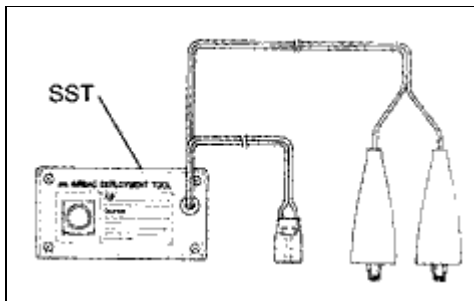
Last Modified: 11-13-2015	6.6 N	Doc ID: RM0000015Q100AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY (for Double Cab): DISPOSAL; 2016 MY Tacoma [08/2015 -]		

DISPOSAL

CAUTION:

Before performing pre-disposal deployment of any SRS component, review and closely follow all applicable environmental and hazardous material regulations. Pre-disposal deployment may be considered hazardous material treatment.

1. PRECAUTION

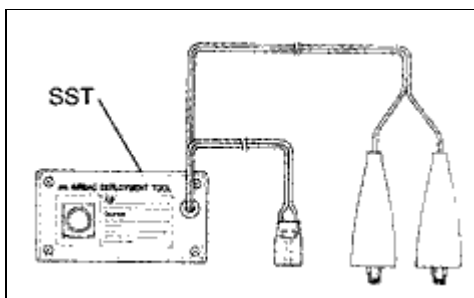


- An airbag or pretensioner may be activated by static electricity. To prevent this, be sure to touch a metal surface with bare hands to discharge static electricity before performing this procedure.
- Never dispose of a front seat outer belt assembly that has an unactivated pretensioner.
- The seat belt pretensioner produces a loud, exploding sound when it activates. Perform the operation outside and where it will not be a nuisance to persons nearby.
- When activating a front seat outer belt assembly (with seat belt pretensioner), stand at least 10 m (32.8 ft.) away from the front seat outer belt assembly.
- When activating the seat belt pretensioner, always use the specified SST (SRS airbag deployment tool).
- The seat belt pretensioner becomes extremely hot when the front seat outer belt assembly is deployed, so do not touch it for at least 30 minutes after deployment.
- Use gloves and safety glasses when handling a front seat outer belt assembly with an activated pretensioner.
- Do not apply water, etc. to a front seat outer belt assembly that has an activated pretensioner.
- Always wash your hands with water after completing the activation.

HINT:

When scrapping vehicles equipped with a seat belt pretensioner or disposing of a front seat outer belt assembly (with a seat belt pretensioner), always deploy the seat belt pretensioner first in accordance with the procedure described below. If any abnormality occurs during deployment of the seat belt pretensioner, contact the service dept. of the distributor.

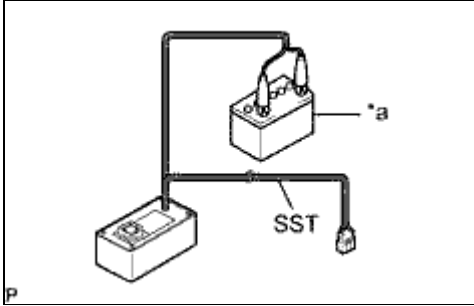
2. DISPOSE OF FRONT SEAT OUTER BELT ASSEMBLY (When Installed in Vehicle)



HINT:

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

(a) Check whether SST is functioning.



Text in Illustration

*a	Battery
----	---------

SST: 09082-00700

SST: 09082-00770

CAUTION:

When deploying a seat belt pretensioner, always use the specified SST.

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

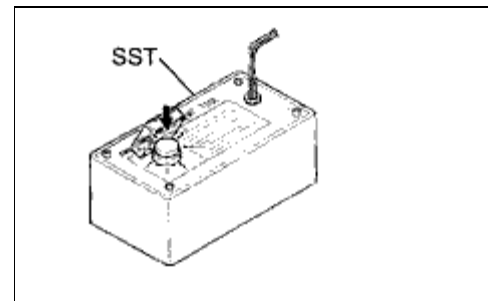
HINT:

At this time, do not connect the yellow connector. It will be connected to the seat belt pretensioner in a later step.

- (2) Press the SST deployment switch and check that the LED of the SST deployment switch illuminates.

CAUTION:

If the LED is illuminated when the deployment switch is not pressed, SST may be malfunctioning. In this case, do not use the malfunctioning SST.



(b) Disconnect SST from the battery.

(c) Disconnect the pretensioner connector.

- (1) Disconnect the cable from the negative (-) battery terminal.
- (2) Remove the front door scuff plate [INFO](#).
- (3) Remove the rear door scuff plate [INFO](#).
- (4) Disconnect the front door opening trim weatherstrip [INFO](#).
- (5) Disconnect the rear door opening trim weatherstrip [INFO](#).
- (6) Remove the lap belt outer anchor cover [INFO](#).
- (7) Remove the center pillar lower garnish [INFO](#).
- (8) Connect the floor anchor with the bolt.

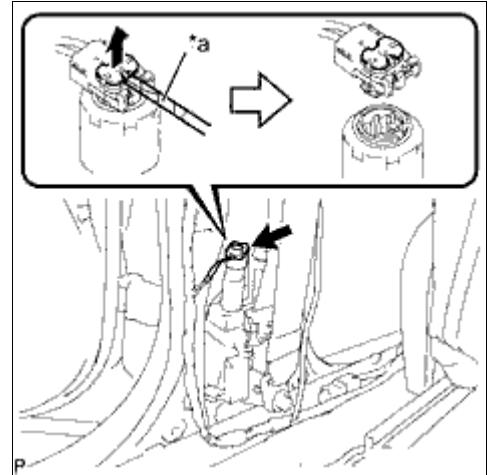
Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

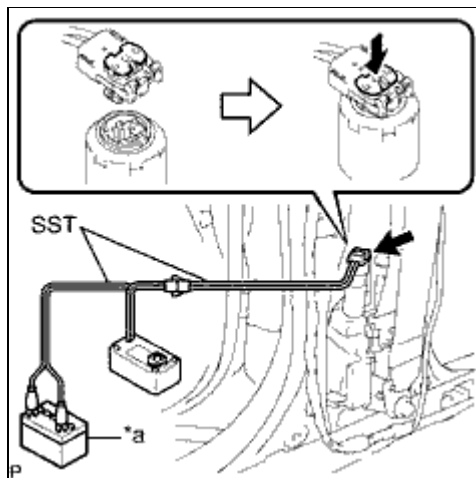
- (9) Using a screwdriver with its tip wrapped in protective tape, release the locking button to disconnect the connector.

Text in Illustration

*a	Protective Tape
----	-----------------



- (d) Connect SST.



Text in Illustration

*a	Battery
----	---------

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

SST: 09082-00700

SST: 09082-00770

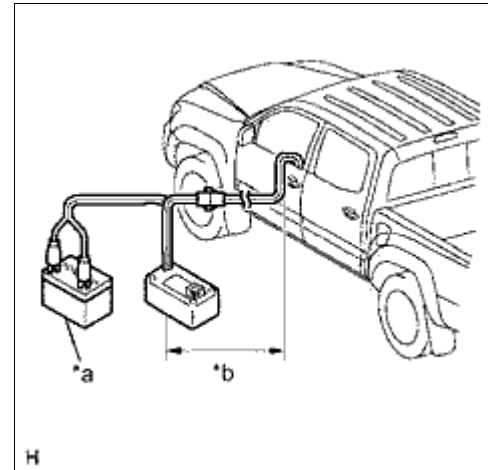
NOTICE:

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

- (2) Move SST at least 10 m (32.8 ft.) away from the front of the vehicle.

Text in Illustration

*a	Battery
*b	10 m (32.8 ft.) or more



- (3) Close all the doors and windows of the vehicle.

HINT:

Do not damage the SST wire harness.

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

- (e) Deploy the seat belt pretensioner.

- (1) Confirm that no one is inside the vehicle or within a 10 m (32.8 ft.) radius of the vehicle.
(2) Press the SST deployment switch to deploy the seat belt pretensioner.

HINT:

The seat belt pretensioner will deploy at the same time as the LED of SST illuminates.

- (f) Dispose of the front seat outer belt assembly.

CAUTION:

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

HINT:

When scrapping a vehicle, deploy the seat belt pretensioner, and then scrap the vehicle with the front seat outer belt assembly installed.

3. DISPOSE OF FRONT SEAT OUTER BELT ASSEMBLY (When not Installed in Vehicle)

CAUTION:

- Use gloves and safety glasses when handling a front seat outer belt assembly with a deployed pretensioner.
- Always wash your hands with water after completing the operation.
- Do not apply water, etc. to a front seat outer belt assembly with a deployed pretensioner.
- When deploying a seat belt pretensioner, always use the specified SST (SRS airbag deployment tool). Perform the operation in a place away from electrical interference.

NOTICE:

- When disposing of a front seat outer belt assembly with a pretensioner, never deploy the seat belt pretensioner in the customer's vehicle.
- Never dispose of a front seat outer belt assembly with a pretensioner that has not been deployed.

- The front seat outer belt assembly produces an exploding sound when the pretensioner deploys, so perform the operation outdoors and where it will not disturb local residents.
- When deploying a seat belt pretensioner, perform the operation at least 10 m (32.8 ft.) away from the front seat outer belt assembly.
- Be sure to follow the procedure listed below when deploying a seat belt pretensioner.

(a) Remove the front seat outer belt assembly **INFO** .

(b) Wind the front seat outer belt assembly webbing with the retractor.

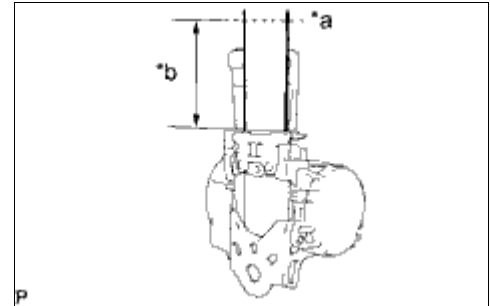
(c) When the front seat outer belt assembly webbing is sufficiently wound, cut the front seat outer belt assembly webbing approximately 100 mm (3.94 in.) from the retractor, as shown in the illustration.

Text in Illustration

*a	Cut
*b	100 mm (3.94 in.)

HINT:

The retractor resistance increases in correlation with how much the front seat outer belt assembly webbing is wound.



(d) Check whether SST is functioning (see step 2-(a)).

Text in Illustration

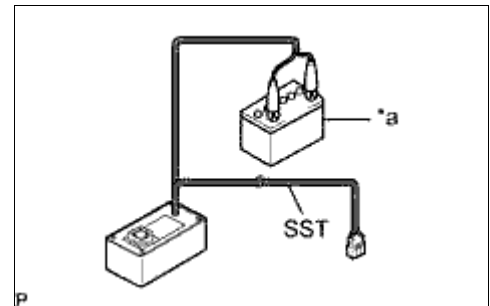
*a	Battery
----	---------

SST: 09082-00700

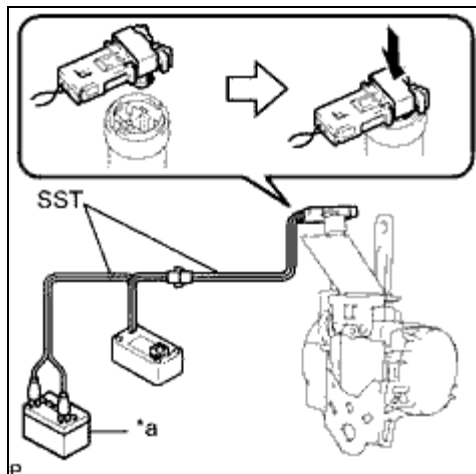
SST: 09082-00770

CAUTION:

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



(e) Connect SST.



Text in Illustration

*a	Battery
----	---------

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

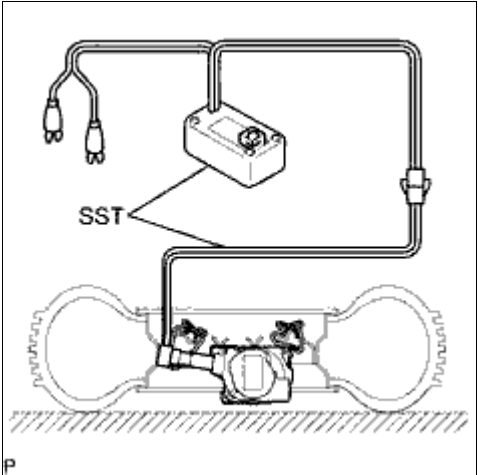
NOTICE:

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

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

NOTICE:

- Position the front seat outer belt assembly as shown in the illustration.
- The tire and disc wheel may be damaged by the seat belt pretensioner deployment, so use an unneeded tire and disc wheel.



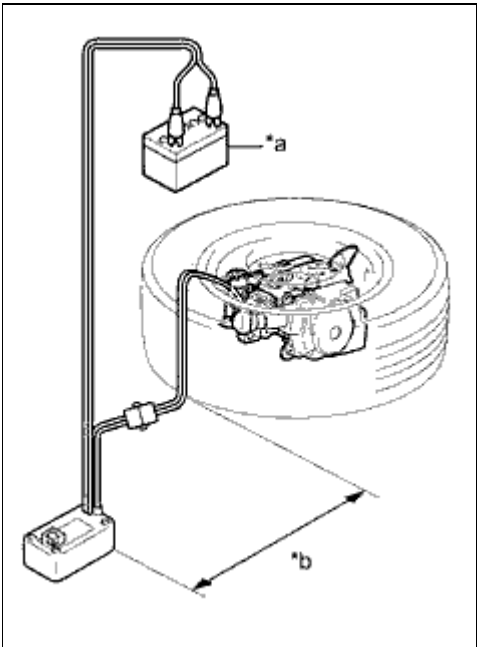
(3) Position and hold SST at least 10 m (32.8 ft.) away from the disc wheel.

Text in Illustration

*a	Battery
*b	10 m (32.8 ft.) or more

NOTICE:

Do not damage the SST wire harness.



(f) Deploy the seat belt pretensioner.

- (1) Check that no one is within a 10 m (32.8 ft.) radius of the disc wheel.
- (2) Connect the red clip of SST to the positive (+) battery terminal and the black clip to the negative (-) battery terminal.
- (3) Press the SST deployment switch to deploy the seat belt pretensioner.

HINT:

The seat belt pretensioner will deploy at the same time as the LED of SST illuminates.

(g) Dispose of the front seat outer belt assembly.

CAUTION:

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



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015Q200BX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY (for Double Cab): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

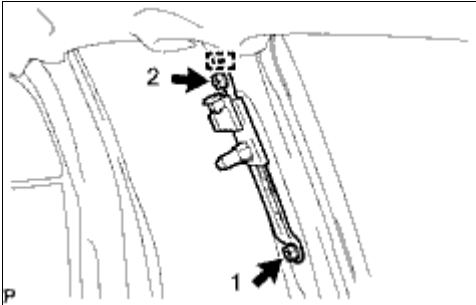
INSTALLATION

HINT:

- Use the same procedure for both the RH and LH sides.
- The procedure described below is for the LH side.

1. INSTALL FRONT SHOULDER BELT ANCHOR ADJUSTER ASSEMBLY

- (a) Engage the guide to temporarily install the front shoulder belt anchor adjuster assembly with the 2 bolts.



- (b) Tighten the 2 bolts in the order shown in the illustration.

Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

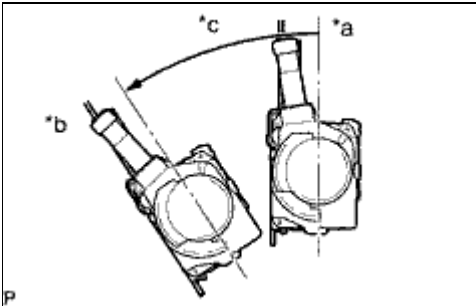
2. INSTALL FRONT SEAT OUTER BELT ASSEMBLY

- (a) Before installing the front seat outer belt assembly, check the ELR function.

Text in Illustration

*a	Unlock
*b	Lock
*c	45°

- (1) 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.

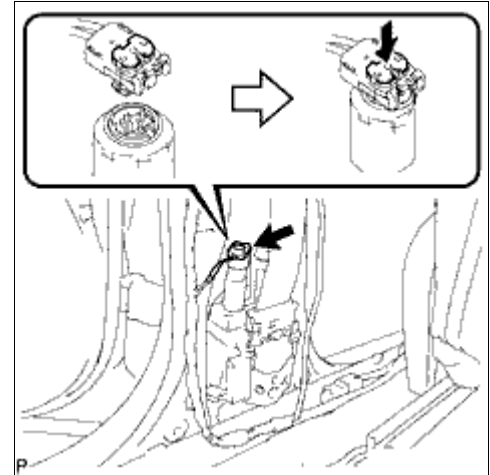
If operation is not as specified, replace the front seat outer belt assembly.

- (b) Engage the 2 guides and install the front seat outer belt assembly with the bolt.

Torque:

12.5 N·m {127 kgf·cm, 9ft·lbf}

- (c) Connect the pretensioner connector and lock the locking button as shown in the illustration.



- (d) Connect the shoulder anchor with the nut.

Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

- (e) Check that the shoulder anchor rotates smoothly.
(f) Connect the floor anchor of the front seat outer belt assembly with the bolt.

Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

- (g) Check the ELR lock.

NOTICE:

The check should be performed with the front seat outer belt assembly installed.

- (1) With the belt installed, check that the belt locks when it is pulled out quickly.
If the operation is not as specified, replace the front seat outer belt assembly.
(h) Remove the bolt to disconnect the floor anchor.

3. INSTALL CENTER PILLAR UPPER GARNISH [INFO](#)

4. INSTALL CENTER PILLAR LOWER GARNISH [INFO](#)

5. CONNECT FRONT SEAT OUTER BELT ASSEMBLY [INFO](#)

6. INSTALL LAP BELT OUTER ANCHOR COVER [INFO](#)

7. CONNECT REAR DOOR OPENING TRIM WEATHERSTRIP

- (a) Connect the rear door opening trim weatherstrip.

8. CONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP

- (a) Connect the front door opening trim weatherstrip.

9. INSTALL REAR DOOR SCUFF PLATE [INFO](#)

10. INSTALL FRONT DOOR SCUFF PLATE [INFO](#)

11. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Torque:

5.4 N·m {55 kgf·cm, 48in·lbf}

12. INSPECT SRS WARNING LIGHT

INFO



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY (for Double Cab): REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

HINT:

- Use the same procedure for both the RH and LH sides.
- The procedure described below is for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

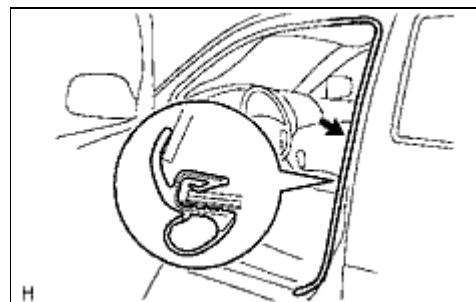
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

2. REMOVE FRONT DOOR SCUFF PLATE INFO

3. REMOVE REAR DOOR SCUFF PLATE INFO

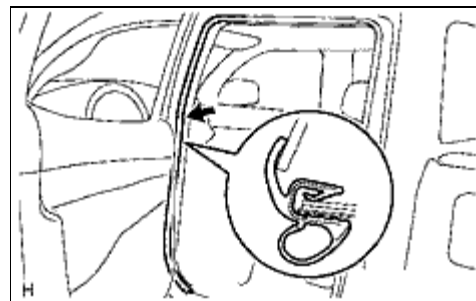
4. DISCONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP

- (a) Disconnect the front door opening trim weatherstrip to the extent which allows the removal of the center pillar lower garnish and center pillar upper garnish.



5. DISCONNECT REAR DOOR OPENING TRIM WEATHERSTRIP

- (a) Disconnect the rear door opening trim weatherstrip to the extent which allows the removal of the center pillar lower garnish and center pillar upper garnish.



6. REMOVE LAP BELT OUTER ANCHOR COVER INFO

7. DISCONNECT FRONT SEAT OUTER BELT ASSEMBLY INFO

8. REMOVE CENTER PILLAR LOWER GARNISH INFO

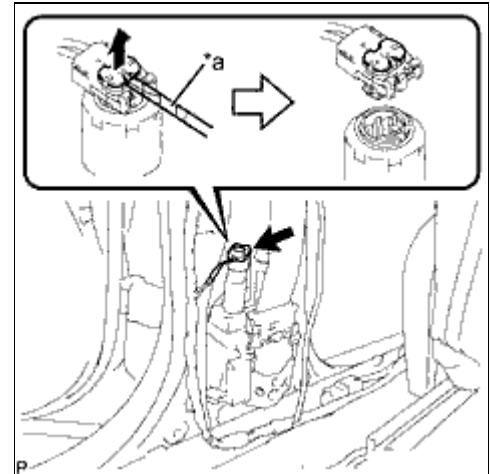
9. REMOVE CENTER PILLAR UPPER GARNISH INFO

10. REMOVE FRONT SEAT OUTER BELT ASSEMBLY

(a) Remove the nut to disconnect the shoulder anchor.



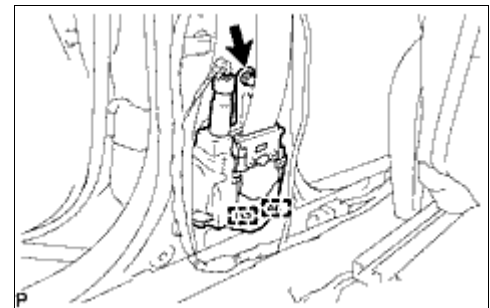
(b) Using a screwdriver with its tip wrapped in protective tape, release the locking button to disconnect the connector.



Text in Illustration

*a	Protective Tape
----	-----------------

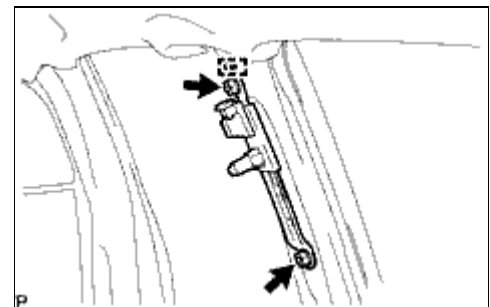
(c) Remove the bolt.



(d) Disengage the 2 guides to remove the front seat outer belt assembly.

11. REMOVE FRONT SHOULDER BELT ANCHOR ADJUSTER ASSEMBLY

(a) Remove the 2 bolts.



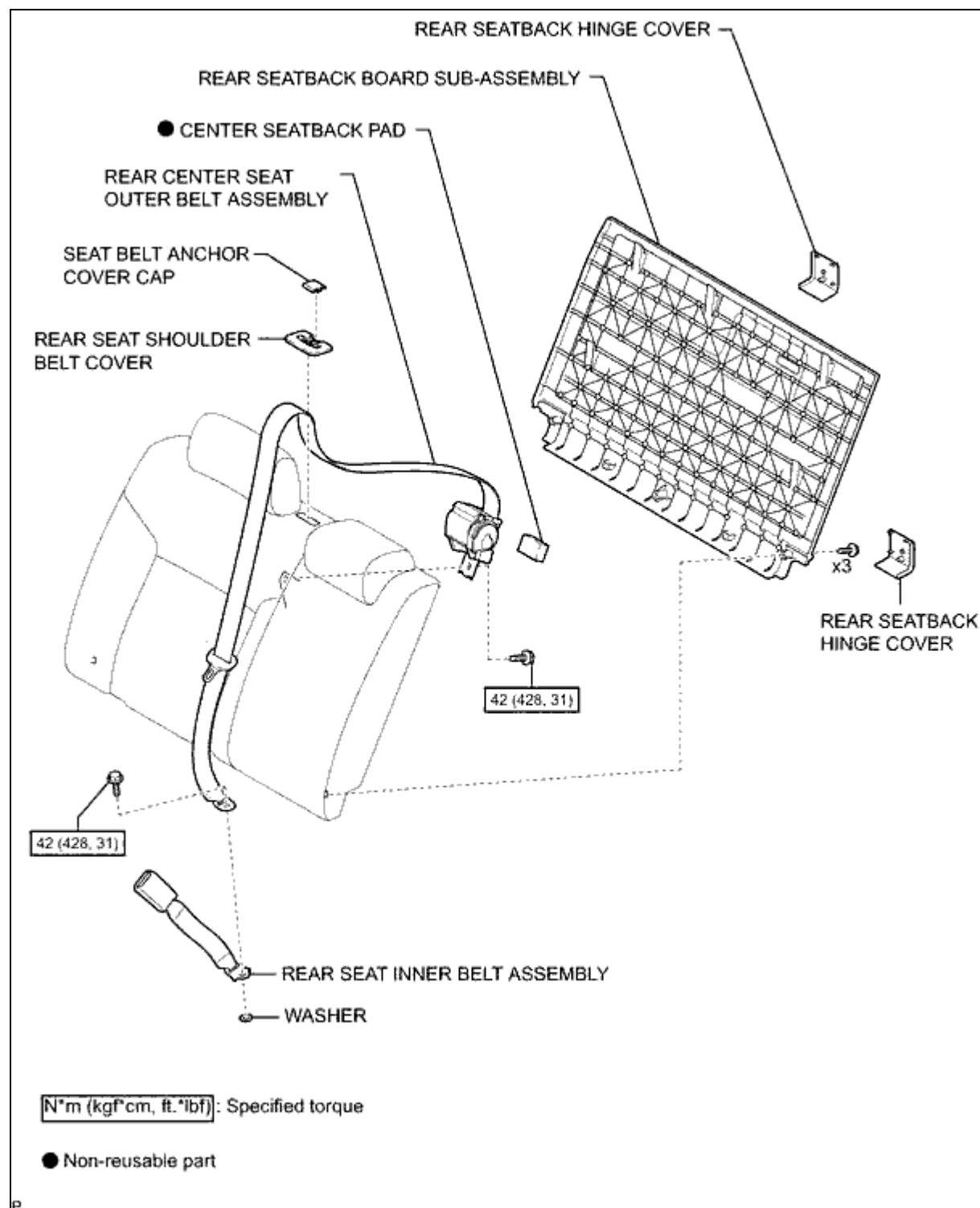
(b) Disengage the guide to remove the front shoulder belt anchor adjuster assembly.



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR CENTER SEAT OUTER BELT ASSEMBLY (for Double Cab): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION





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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR CENTER SEAT OUTER BELT ASSEMBLY (for Double Cab): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

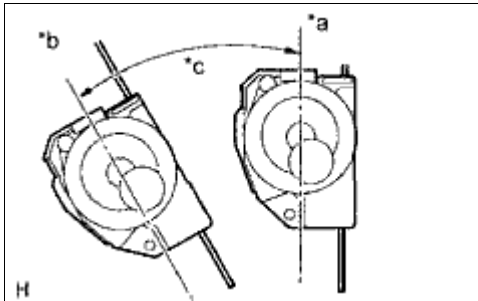
INSTALLATION

1. INSTALL REAR CENTER SEAT OUTER BELT ASSEMBLY

- (a) Before installing the rear center seat outer belt assembly, check the ELR function.

Text in Illustration

*a	Unlock
*b	Lock
*c	45°



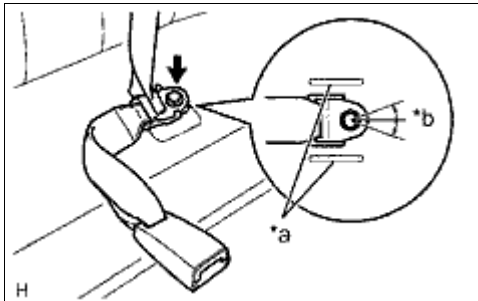
- (1) When the inclination of the retractor is 15° or less, check that the belt can be pulled from the retractor. When the inclination of the retractor is over 45°, check that the belt locks.

NOTICE:
Do not disassemble the retractor.

- (b) Engage the 2 guides to install the rear center seat outer belt assembly with the bolt.
- Torque:**
42 N·m {428 kgf·cm, 31ft·lbf}
- (c) Insert the belt through the hole into the rear seatback frame.
- (d) Connect the rear seat inner belt assembly and rear center seat outer belt assembly by installing the floor anchor with the bolt.

Text in Illustration

*a	Protruding Part
*b	40°



Torque:
42 N·m {428 kgf·cm, 31ft·lbf}

- NOTICE:**
- Make sure that the rear seat inner belt assembly and rear center seat outer belt assembly is oriented in the correct direction when installing.
 - Do not allow the anchor part of the rear seat inner belt assembly and rear center seat outer belt assembly to overlap the protruding part of the floor panel.

2. INSTALL CENTER SEATBACK PAD

(a) Install a new center seatback pad.

3. INSTALL REAR SEAT SHOULDER BELT COVER

4. INSTALL SEAT BELT ANCHOR COVER CAP

5. INSTALL REAR SEATBACK BOARD SUB-ASSEMBLY

6. INSTALL REAR SEATBACK HINGE COVER

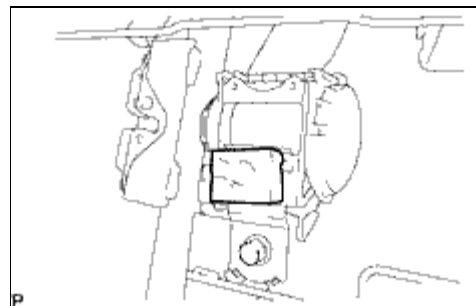


Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015QY00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR CENTER SEAT OUTER BELT ASSEMBLY (for Double Cab): REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

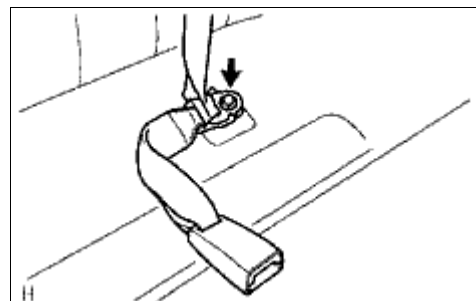
1. REMOVE REAR SEATBACK HINGE COVER INFO
2. REMOVE REAR SEATBACK BOARD SUB-ASSEMBLY INFO
3. REMOVE SEAT BELT ANCHOR COVER CAP INFO
4. REMOVE REAR SEAT SHOULDER BELT COVER INFO
5. REMOVE CENTER SEATBACK PAD

(a) Remove the center seatback pad.



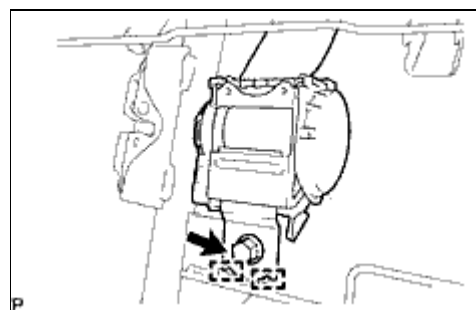
6. REMOVE REAR CENTER SEAT OUTER BELT ASSEMBLY

(a) Remove the bolt to disconnect the floor anchor of the rear center seat outer belt assembly and rear seat inner belt assembly.



(b) Insert the belt through the hole into the rear seatback frame.

(c) Remove the bolt.



(d) Disengage the 2 guides to remove the rear center seat outer belt assembly.

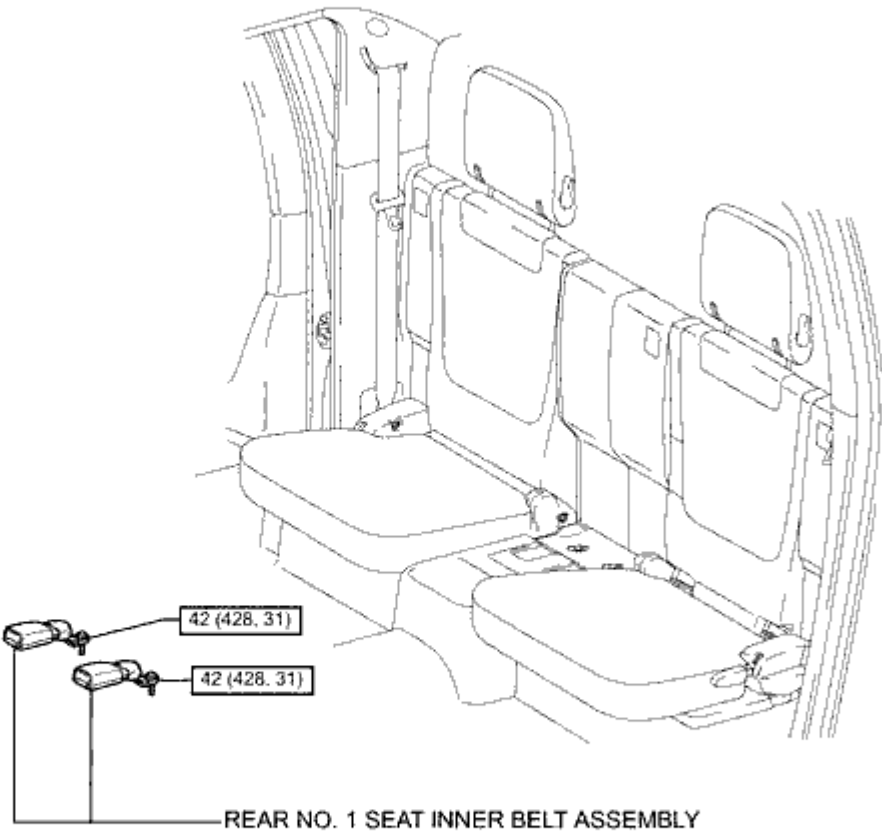




Last Modified: 11-13-2015	6.6 K	Doc ID: RM000003NS4007X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT INNER BELT ASSEMBLY (for Access Cab): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



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





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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT INNER BELT ASSEMBLY (for Access Cab): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

1. INSTALL REAR NO. 1 SEAT INNER BELT ASSEMBLY

(a) Tighten the 2 bolts to install the 2 rear No. 1 seat inner belt assemblies.

Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

(b) Check that the floor anchor rotates smoothly.

(c) Close the 2 anchor covers.



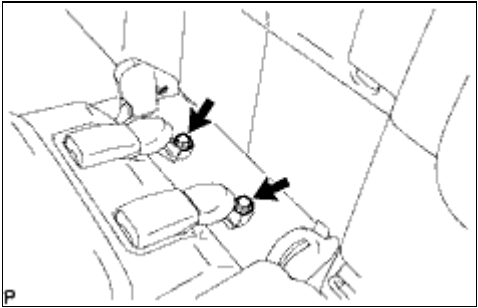
Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015QP00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT INNER BELT ASSEMBLY (for Access Cab): REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

1. REMOVE REAR NO. 1 SEAT INNER BELT ASSEMBLY

(a) Open the 2 anchor covers.

(b) Loosen the 2 bolts to remove the 2 rear No. 1 seat inner belt assemblies.



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015QQ00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT INNER BELT ASSEMBLY (for Double Cab): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

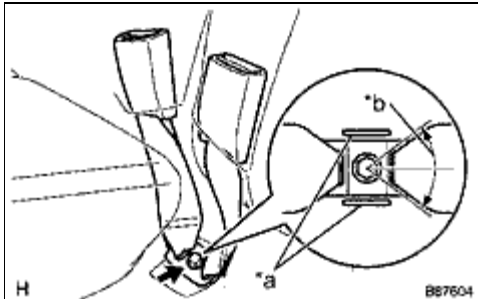
INSTALLATION

1. INSTALL REAR SEAT INNER BELT ASSEMBLY

- (a) for LH Side:
- (1) Install the rear seat inner belt assembly with the bolt.

Text in Illustration

*a	Protruding Part
*b	40°

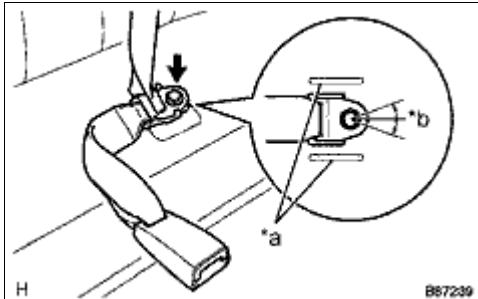


- Torque:**
- 42 N·m {428 kgf·cm, 31ft·lbf}**
- NOTICE:**
- Make sure that the rear seat inner belt assembly is oriented in the correct direction when installing.
 - Do not allow the anchor part of the rear seat inner belt assembly to overlap the protruding part of the floor panel.

- (b) for RH Side:
- (1) Connect the rear seat inner belt assembly and rear center seat outer belt assembly by installing the floor anchor with the bolt.

Text in Illustration

*a	Protruding Part
*b	40°



- Torque:**
- 42 N·m {428 kgf·cm, 31ft·lbf}**
- NOTICE:**
- Make sure that the rear seat inner belt assembly and rear center seat outer belt assembly is oriented in the correct direction when installing.
 - Do not allow the anchor part of the rear seat inner belt assembly and rear center seat outer belt assembly to overlap the protruding part of the floor panel.



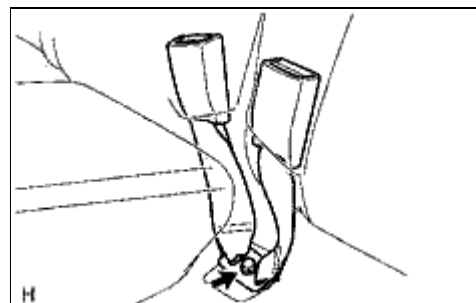
Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015QS00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT INNER BELT ASSEMBLY (for Double Cab): REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

1. REMOVE REAR SEAT INNER BELT ASSEMBLY

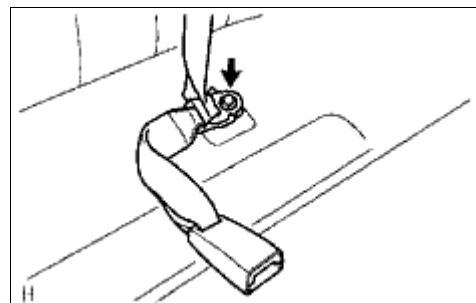
(a) for LH Side:

(1) Remove the bolt and rear seat inner belt assembly.



(b) for RH Side:

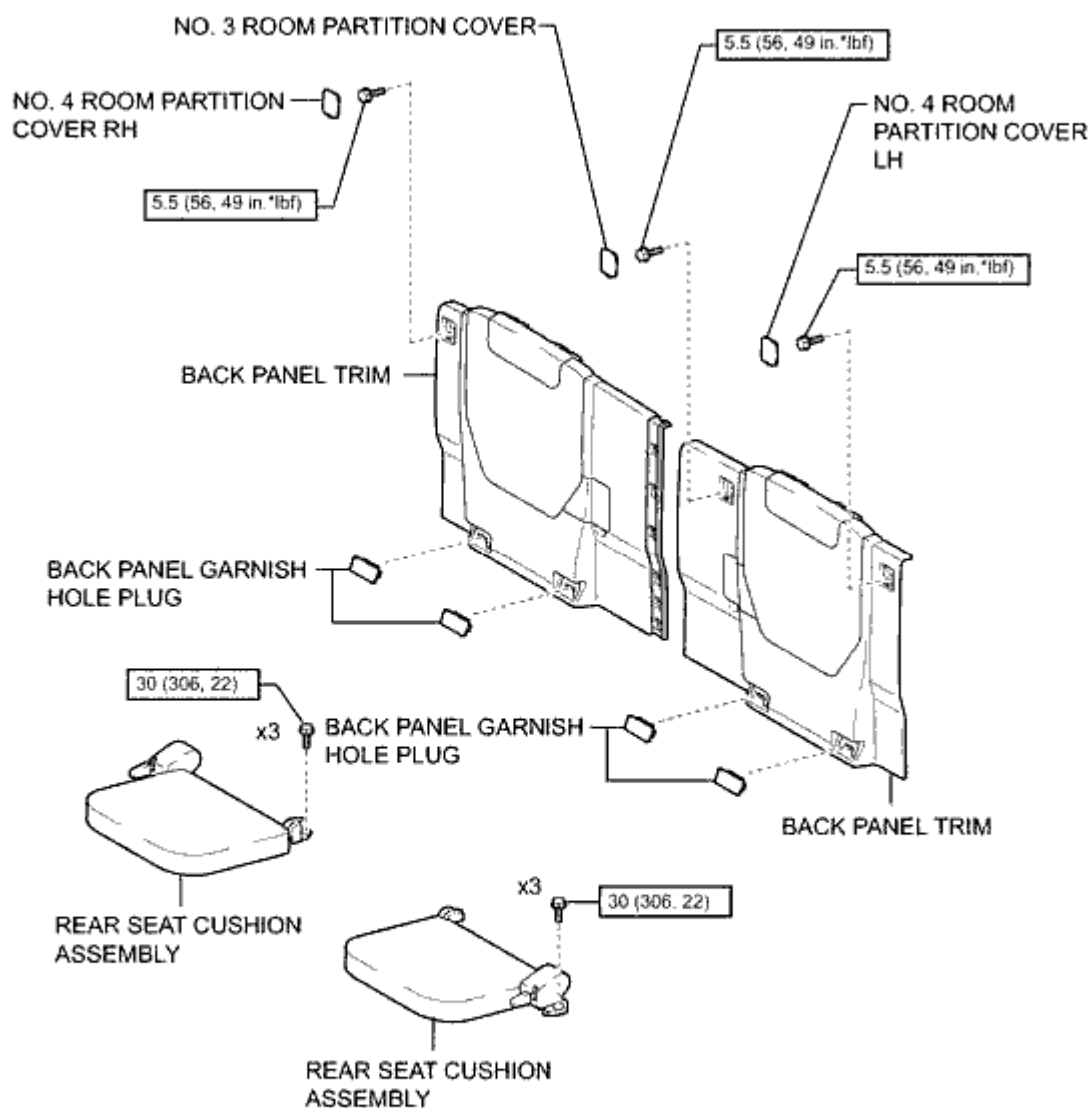
(1) Remove the bolt and rear seat inner belt assembly.



Last Modified: 11-13-2015	6.6 K	Doc ID: RM0000015M100AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT OUTER BELT ASSEMBLY (for Access Cab): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

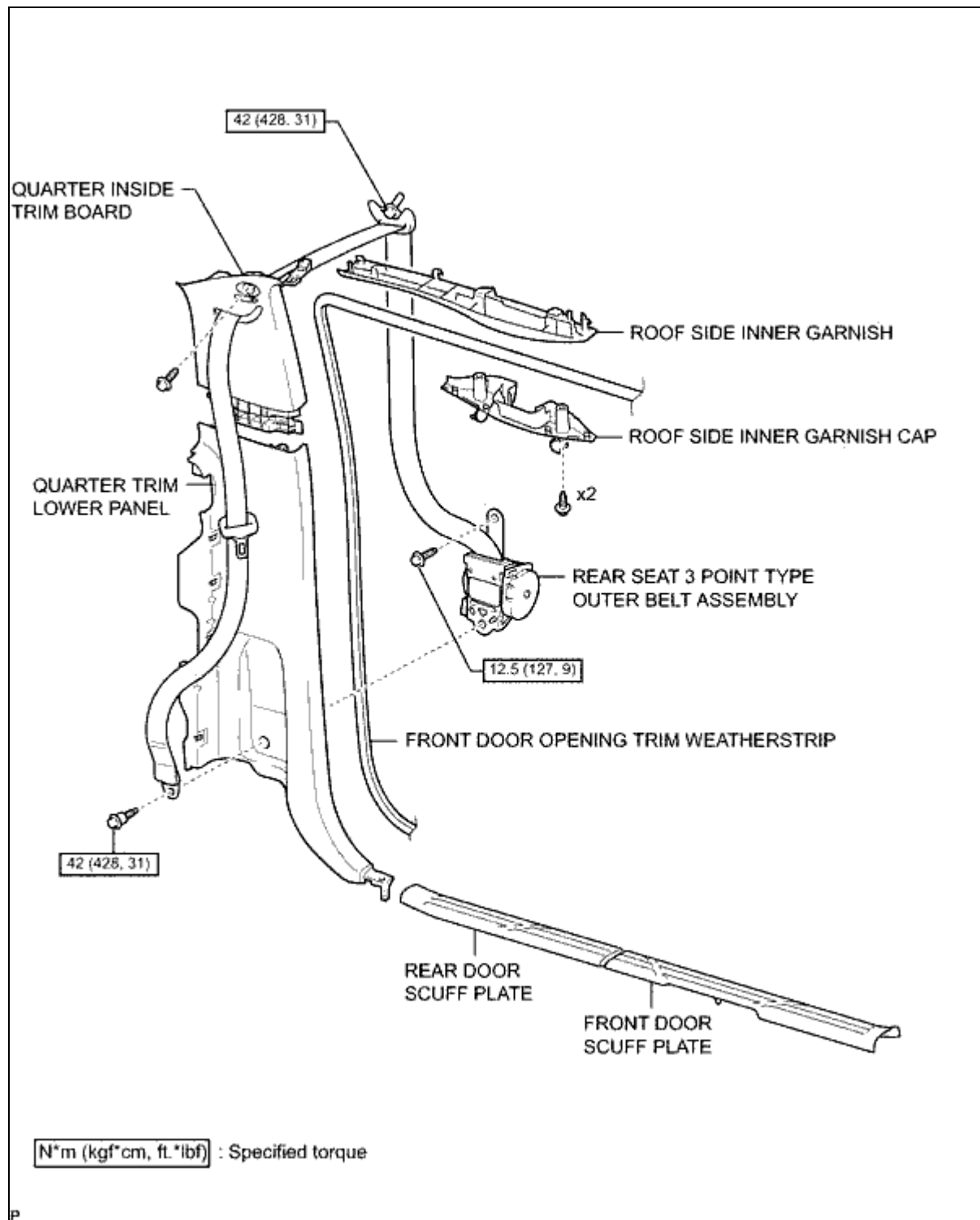
COMPONENTS

ILLUSTRATION



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

ILLUSTRATION



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015M000AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT OUTER BELT ASSEMBLY (for Access Cab): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

INSTALLATION

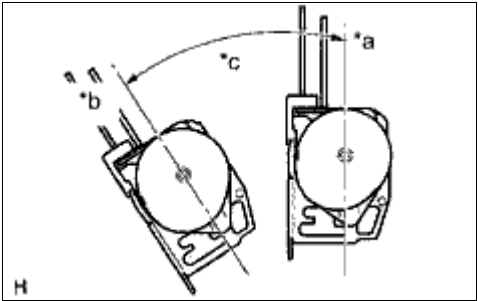
1. INSTALL REAR SEAT 3 POINT TYPE OUTER BELT ASSEMBLY

- (a) Before installing the rear seat 3 point type outer belt assembly, check the ELR function.

Text in Illustration

*a	Unlock
*b	Lock
*c	45°

- (1) 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 rear seat 3 point type outer belt assembly.

- (b) Engage the 2 guides to install the rear seat 3 point type outer belt assembly with the bolt.

Torque:

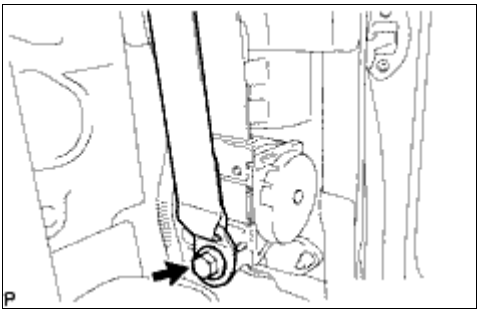
12.5 N·m {127 kgf·cm, 9ft·lbf}

- (c) Tighten the bolt to connect the shoulder anchor.

Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

- (d) Check that the shoulder anchor rotates smoothly.



- (e) Connect the floor anchor with the bolt.

Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

- (f) Check the ELR lock.

NOTICE:

The check should be performed with the rear seat 3 point type outer belt assembly installed.

(1) With the belt installed, check that the belt locks when it is pulled out quickly.

If the operation is not as specified, replace the rear seat 3 point type outer belt assembly.

(g) Remove the bolt to disconnect the floor anchor.

2. INSTALL QUARTER INSIDE TRIM BOARD [INFO](#)

3. CONNECT REAR SEAT 3 POINT TYPE OUTER BELT ASSEMBLY [INFO](#)

4. INSTALL QUARTER TRIM LOWER PANEL [INFO](#)

5. INSTALL ROOF SIDE INNER GARNISH [INFO](#)

6. INSTALL ROOF SIDE INNER GARNISH CAP [INFO](#)

7. CONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP

8. INSTALL REAR DOOR SCUFF PLATE [INFO](#)

9. INSTALL FRONT DOOR SCUFF PLATE [INFO](#)

10. INSTALL BACK PANEL TRIM [INFO](#)

11. INSTALL NO. 3 ROOM PARTITION COVER [INFO](#)

12. INSTALL NO. 4 ROOM PARTITION COVER LH [INFO](#)

13. INSTALL NO. 4 ROOM PARTITION COVER RH [INFO](#)

14. INSTALL BACK PANEL GARNISH HOLE PLUG [INFO](#)

15. INSTALL REAR SEAT CUSHION ASSEMBLY [INFO](#)

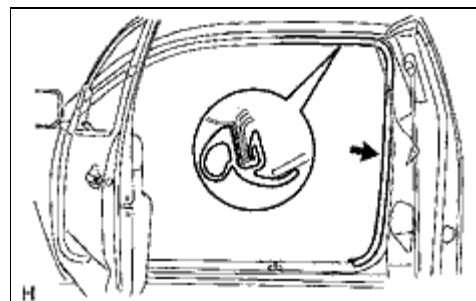


Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015M200AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT OUTER BELT ASSEMBLY (for Access Cab): REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

1. REMOVE REAR SEAT CUSHION ASSEMBLY [INFO](#)
2. REMOVE NO. 4 ROOM PARTITION COVER LH [INFO](#)
3. REMOVE NO. 4 ROOM PARTITION COVER RH [INFO](#)
4. REMOVE NO. 3 ROOM PARTITION COVER [INFO](#)
5. REMOVE BACK PANEL GARNISH HOLE PLUG [INFO](#)
6. REMOVE BACK PANEL TRIM [INFO](#)
7. REMOVE FRONT DOOR SCUFF PLATE [INFO](#)
8. REMOVE REAR DOOR SCUFF PLATE [INFO](#)
9. DISCONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP

(a) Disconnect the front door opening trim weatherstrip to the extent which allows the removal of the roof side garnish inner, quarter trim lower panel and quarter inside trim board.

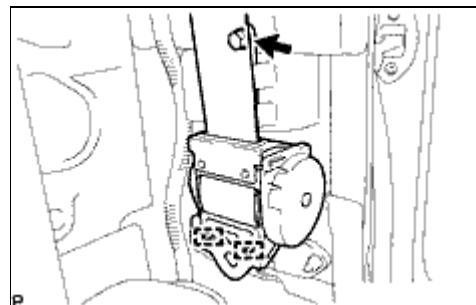


10. REMOVE ROOF SIDE INNER GARNISH CAP [INFO](#)
11. REMOVE ROOF SIDE INNER GARNISH [INFO](#)
12. DISCONNECT REAR SEAT 3 POINT TYPE OUTER BELT ASSEMBLY [INFO](#)
13. REMOVE QUARTER TRIM LOWER PANEL [INFO](#)
14. REMOVE QUARTER INSIDE TRIM BOARD [INFO](#)
15. REMOVE REAR SEAT 3 POINT TYPE OUTER BELT ASSEMBLY

(a) Loosen the bolt to disconnect the shoulder anchor.



(b) Remove the bolt.



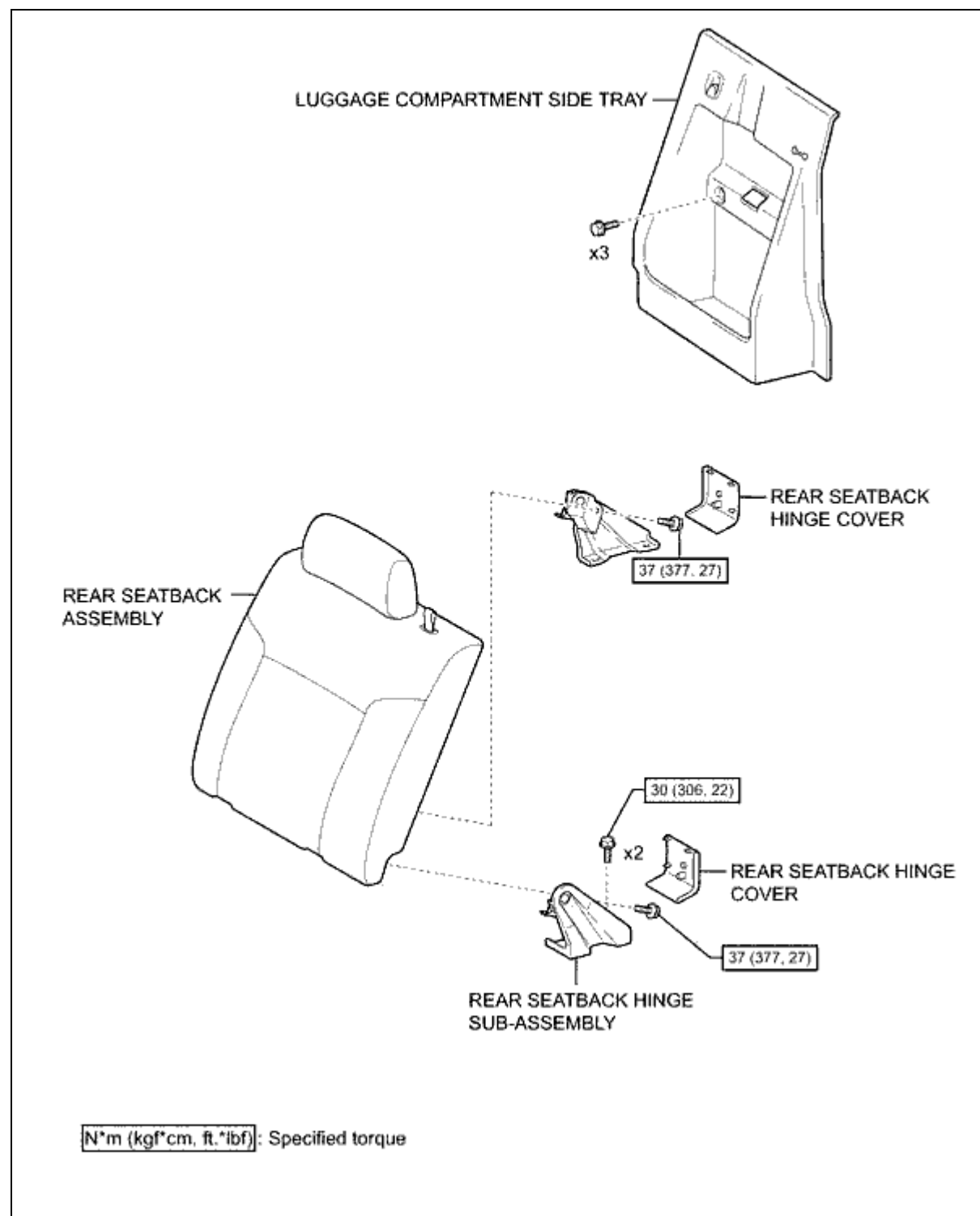
(c) Disengage the 2 guides to remove the rear seat 3 point type outer belt assembly.



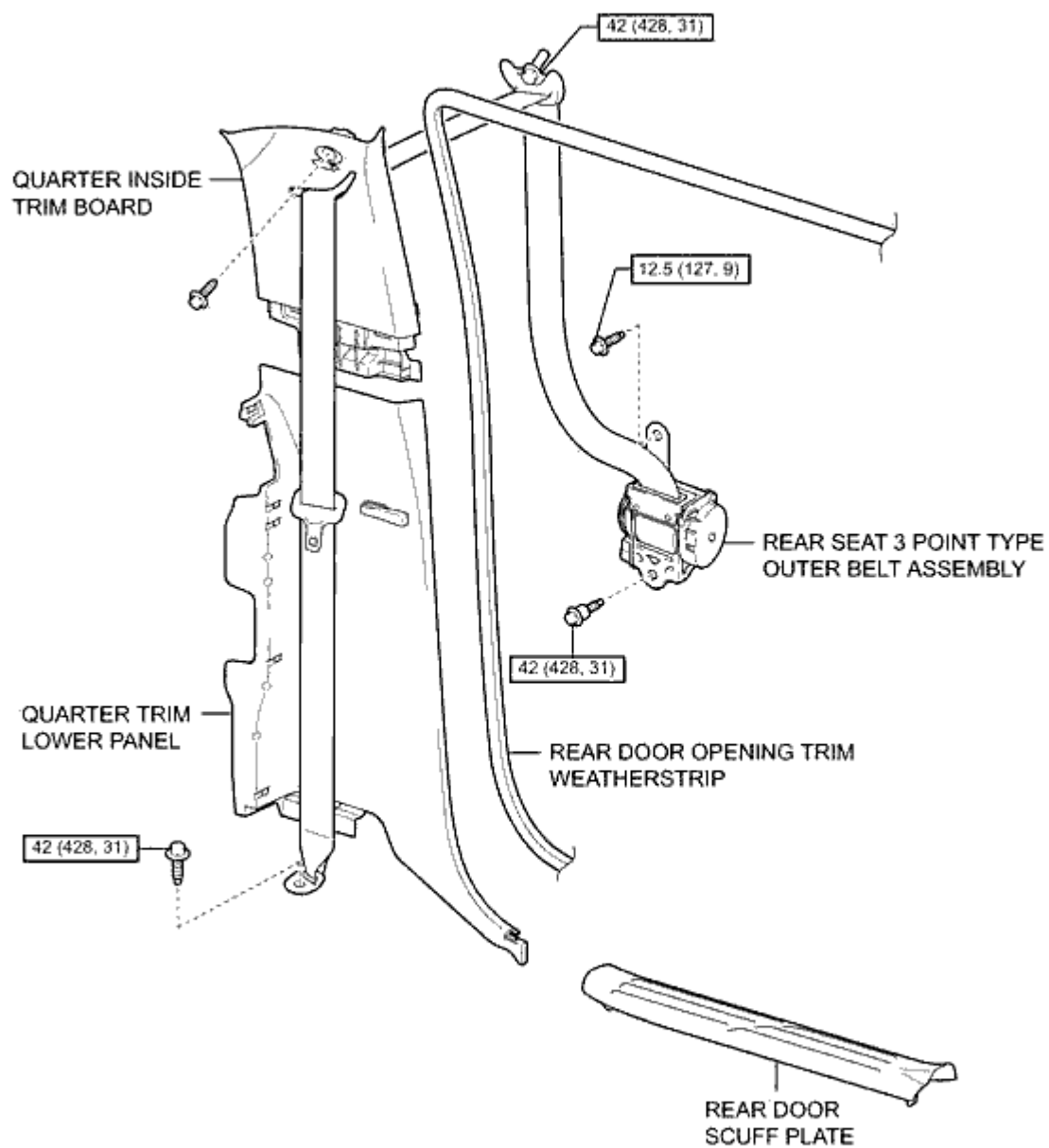
Last Modified: 11-13-2015	6.6 K	Doc ID: RM0000015LY00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT OUTER BELT ASSEMBLY (for Double Cab): COMPONENTS; 2016 MY Tacoma [08/2015 -]		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



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

P



Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015LX00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT OUTER BELT ASSEMBLY (for Double Cab): INSTALLATION; 2016 MY Tacoma [08/2015 -]		

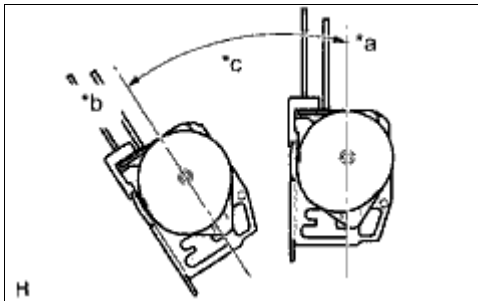
INSTALLATION

1. INSTALL REAR SEAT 3 POINT TYPE OUTER BELT ASSEMBLY

- (a) Before installing the rear seat 3 point type outer belt assembly, check the ELR function.

Text in Illustration

*a	Unlock
*b	Lock
*c	45°

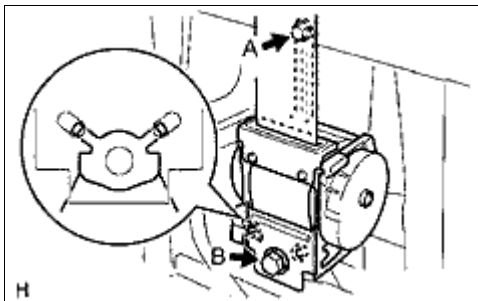


- (1) When the inclination of the retractor is 15° or less, check that the belt can be pulled from the retractor. When the inclination of the retractor is over 45°, check that the belt locks.

NOTICE:

Do not disassemble the retractor.

If operation is not as specified, replace the rear seat 3 point type outer belt assembly.



- (b) Engage the 2 guides to temporarily install the rear seat 3 point type outer belt assembly with the 2 bolts.

- (c) Tighten bolt A, and then tighten bolt B.

Torque:

- 12.5 N·m {127 kgf·cm, 9ft·lbf} (for bolt A)
- 42 N·m {428 kgf·cm, 31ft·lbf} (for bolt B)

- (d) Tighten the bolt to connect the shoulder anchor.

Torque:

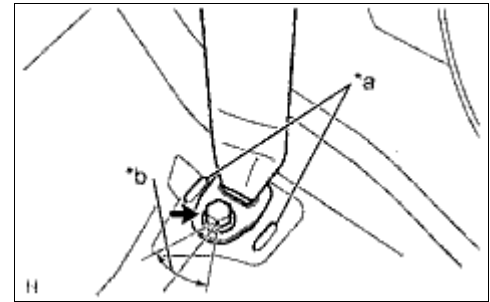
- 42 N·m {428 kgf·cm, 31ft·lbf}

- (e) Check that the shoulder anchor rotates smoothly.

(f) Connect the floor anchor with the bolt.

Text in Illustration

*a	Protruding Part
*b	40°



Torque:

42 N·m {428 kgf·cm, 31ft·lbf}

NOTICE:

- Make sure that the rear seat outer belt is oriented in the correct direction when installing.
- Do not allow the anchor part of the rear seat 3 point type outer belt assembly to overlap the protruding part of the floor panel.

(g) Check the ELR lock.

NOTICE:

The check should be performed with the rear seat 3 point type outer belt assembly installed.

(1) With the belt installed, check that the belt locks when it is pulled out quickly.

If the operation is not as specified, replace the rear seat 3 point type outer belt assembly.

(h) Remove the bolt to disconnect the floor anchor.

2. INSTALL QUARTER INSIDE TRIM BOARD [INFO](#)

3. CONNECT REAR SEAT 3 POINT TYPE OUTER BELT ASSEMBLY [INFO](#)

4. INSTALL QUARTER TRIM LOWER PANEL [INFO](#)

5. INSTALL LUGGAGE COMPARTMENT SIDE TRAY [INFO](#)

6. CONNECT REAR DOOR OPENING TRIM WEATHERSTRIP

7. INSTALL REAR DOOR SCUFF PLATE [INFO](#)

8. INSTALL REAR SEATBACK HINGE SUB-ASSEMBLY [INFO](#)

9. INSTALL REAR SEATBACK ASSEMBLY [INFO](#)

10. INSTALL REAR SEATBACK HINGE COVER [INFO](#)

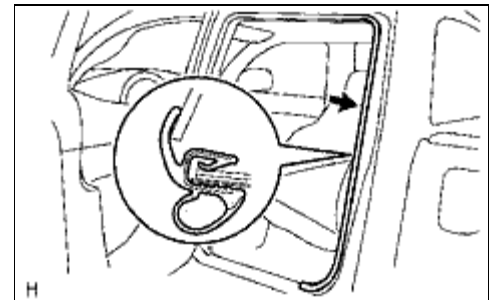


Last Modified: 11-13-2015	6.6 A	Doc ID: RM0000015LZ00AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: REAR SEAT OUTER BELT ASSEMBLY (for Double Cab): REMOVAL; 2016 MY Tacoma [08/2015 -]		

REMOVAL

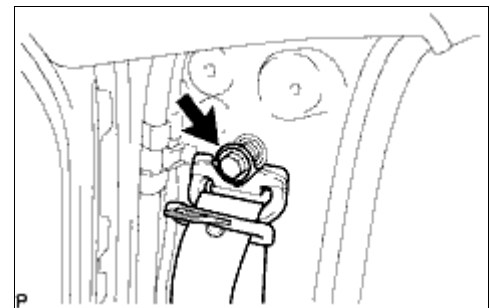
1. REMOVE REAR SEATBACK HINGE COVER [INFO](#)
2. REMOVE REAR SEATBACK ASSEMBLY [INFO](#)
3. REMOVE REAR SEATBACK HINGE SUB-ASSEMBLY [INFO](#)
4. REMOVE REAR DOOR SCUFF PLATE [INFO](#)
5. DISCONNECT REAR DOOR OPENING TRIM WEATHERSTRIP

- (a) Disconnect the rear door opening trim weatherstrip to the extent which allows the removal of the quarter trim lower panel and quarter inside trim board.

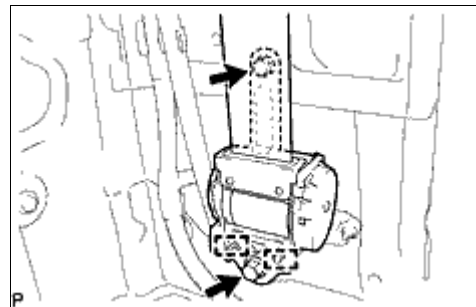


6. REMOVE LUGGAGE COMPARTMENT SIDE TRAY [INFO](#)
7. REMOVE QUARTER TRIM LOWER PANEL [INFO](#)
8. DISCONNECT REAR SEAT 3 POINT TYPE OUTER BELT ASSEMBLY [INFO](#)
9. REMOVE QUARTER INSIDE TRIM BOARD [INFO](#)
10. REMOVE REAR SEAT 3 POINT TYPE OUTER BELT ASSEMBLY

- (a) Loosen the bolt to disconnect the shoulder anchor.



(b) Remove the 2 bolts.



(c) Disengage the 2 guides to remove the rear seat 3 point type outer belt assembly.



Last Modified: 11-13-2015	6.6 D	Doc ID: RM0000012G8078X
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: CUSTOMIZE PARAMETERS; 2016 MY Tacoma [08/2015 -]		

CUSTOMIZE PARAMETERS

1. CUSTOMIZE FUNCTION WITH TECHSTREAM

NOTICE:

- Be sure to record the current settings before customizing.
- These buzzers should be ON for safe driving. Perform these procedure only if it is necessary to turn the buzzer OFF (disabled).

HINT:

The following items can be customized using the Techstream.

- Connect the Techstream to the DLC3.
- Turn the ignition switch to ON.
- Turn the Techstream on.
- Enter the following menus: Body Electrical / Combination Meter / Utility / Customize / Warning.
- Select the setting by referring to the table below.

Combination Meter

TESTER DISPLAY	DEFAULT	CONTENT	SETTING
Driver Side Seatbelt Warning Buzzer	ON	Function to sound the seat belt warning buzzer	ON/OFF
Front Passenger Side Seatbelt Warning Buzzer	ON	Function to sound the seat belt warning buzzer	ON/OFF

HINT:

This setting is only valid for the buzzer which sounds at 20 km/h (12.4 mph) or more.



Last Modified: 11-13-2015	6.6 U	Doc ID: RM0000012G70KKX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: DATA LIST / ACTIVE TEST; 2016 MY Tacoma [08/2015 -]		

DATA LIST / ACTIVE TEST

1. DATA LIST

HINT:

Using the Techstream to read the Data List allows the values or states of switches, sensors, actuators and other items to be read without removing any parts. This non-intrusive inspection can be very useful because intermittent conditions or signals may be discovered before parts or wiring is disturbed. Reading the Data List information early in troubleshooting is one way to save diagnostic time.

NOTICE:

In the following table, the values listed under "Normal Condition" are reference values. Do not depend solely on these reference values when deciding whether a part is faulty or not.

- Connect the Techstream to the DLC3.
- Turn the ignition switch to ON.
- Turn the Techstream on.
- Enter the following menus: Body Electrical / (desired system) / Data List.
- According to the display on the Techstream, read the Data List.

SRS Airbag

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Passenger Classification	Front passenger side seat condition /NG, OFF, Child, AF05, AM50 or Fail	NG: Data not determined OFF: Vacant Child: Child seated AF05: Adult seated AM50: Adult seated Fail: A failure is detected	-
Left side Buckle SW	Driver side seat belt buckle switch/Unset, Set or NG	Unset: Driver side seat belt unfastened Set: Driver side seat belt fastened NG: Data not determined	-
Right side Buckle SW	Front passenger side seat belt buckle switch/Unset, Set or NG	Unset: Front passenger side seat belt unfastened Set: Front passenger side seat belt fastened NG: Data not determined	-

Occupant Detection

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
----------------	------------------------	------------------	-----------------

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Passenger Buckle SW	Front passenger side seat belt buckle switch/Unset, Set or NG	Unset: Front passenger side seat belt unfastened Set: Front passenger side seat belt fastened NG: Data not determined	-
Passenger Classification	Front passenger side seat condition/CRS, AM50, AF05, Child or OFF	CRS: Child restraint system AM50: Adult seated AF05: Adult seated Child: Child seated OFF: Vacant	-

Combination Meter

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Driver Side Seatbelt Warning Buzzer	Driver side seat belt warning buzzer/ON or OFF	Customized value displayed	-
P-Seatbelt Warning Buzzer	Front passenger side seat belt warning buzzer/ON or OFF	Customized value displayed	-

2. ACTIVE TEST

Using the Techstream to perform Active Tests allows relays, VSVs, actuators and other items to be operated without removing any parts. This non-intrusive functional inspection can be very useful because intermittent operation may be discovered before parts or wiring is disturbed. Performing Active Tests early in troubleshooting is one way to save diagnostic time. Data List information can be displayed while performing Active Tests.

- Connect the Techstream to the DLC3.
- Turn the ignition switch to ON.
- Turn the Techstream on.
- Enter the following menus: Body Electrical / Combination Meter / Active Test.
- According to the display on the Techstream, perform the Active Test.

Combination Meter

TESTER DISPLAY	TEST PART	CONTROL RANGE	DIAGNOSTIC NOTE
Driver Side Seat Belt	Driver side seat belt warning light	OFF or ON	Confirm that the vehicle stopped with the engine idling.



Last Modified: 11-13-2015	6.6 D	Doc ID: RM000000WMY01VX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: DIAGNOSIS SYSTEM; 2016 MY Tacoma [08/2015 -]		

DIAGNOSIS SYSTEM

1. CHECK DLC3

(a) Check the DLC3  .

2. INSPECT BATTERY VOLTAGE

(a) Measure the battery voltage.

Standard voltage:

11 to 14 V

If the voltage is below 11 V, recharge or replace the battery.



Last Modified: 11-13-2015	6.6 J	Doc ID: RM0000014DK0GMX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: Driver Side Seat Belt Warning Light does not Operate; 2016 MY Tacoma [08/2015 -]		

Driver Side Seat Belt Warning Light does not Operate

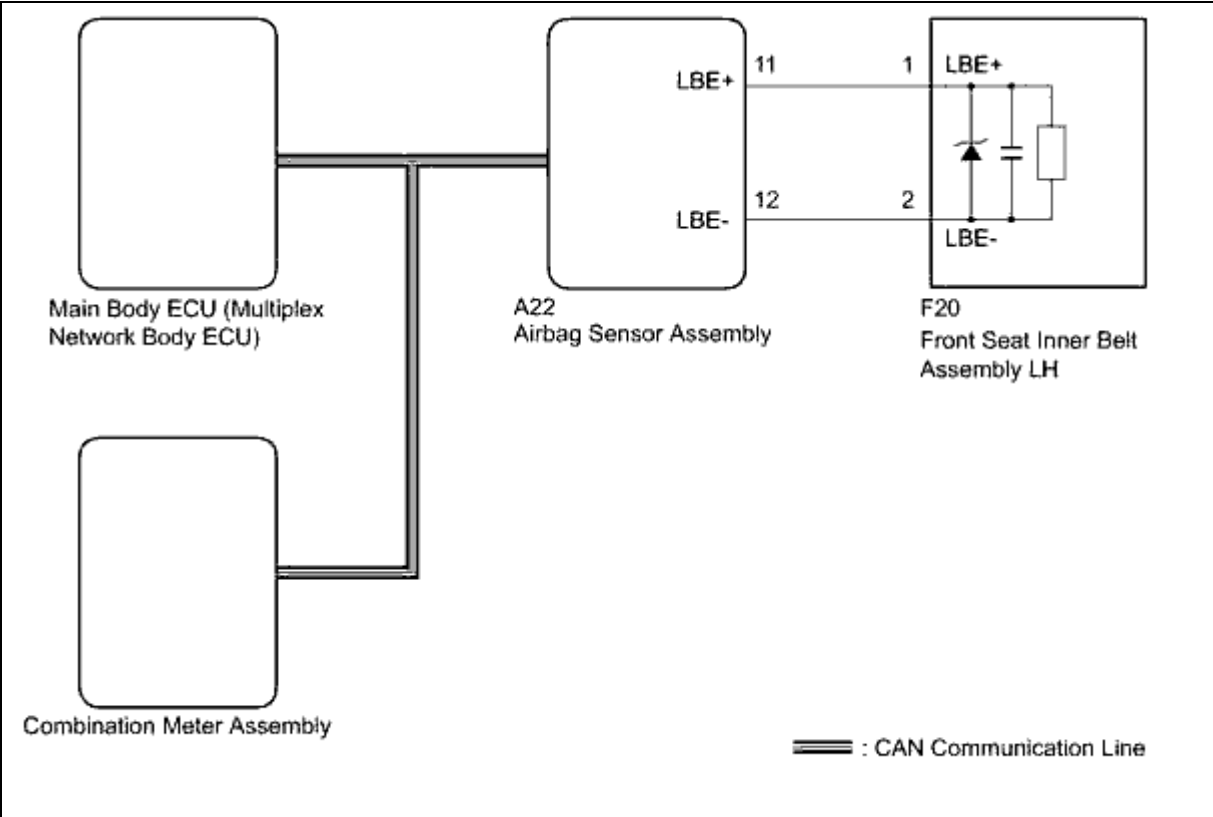
DESCRIPTION

When the ignition switch is ON, the airbag sensor assembly transmits front seat inner belt status signals to the combination meter assembly through CAN. If the driver seat belt is not fastened, the combination meter assembly blinks the driver side seat belt warning light. If the seat belt is fastened, the warning light goes off.

NOTICE:

- Recognition code registration is necessary when replacing the main body ECU (multiplex network body ECU).
- If the main body ECU (multiplex network body ECU) is replaced, refer to Registration [INFO](#) .*1
 *1: w/ Smart Key System

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

The seat belt warning system uses the CAN communication system. First, confirm that there are no malfunctions in the CAN communication system. Refer to How to Proceed with Troubleshooting [INFO](#) .

PROCEDURE

1. CHECK DTC OUTPUT (AIRBAG SYSTEM)

(a) Clear the DTCs  .

(b) Check for DTCs  .

Result

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

B  **GO TO AIRBAG SYSTEM**

A



2. READ VALUE USING TECHSTREAM (LEFT SIDE BUCKLE SW)

(a) Connect the Techstream to the DLC3.

(b) Turn the ignition switch to ON.

(c) Turn the Techstream on.

(d) Enter the following menus: Body Electrical / SRS Airbag / Data List.

(e) Read the Data List according to the display on the Techstream.

SRS Airbag

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Left side Buckle SW	Driver side seat belt buckle switch/Unset, Set or NG	Unset: Driver side seat belt unfastened Set: Driver side seat belt fastened NG: Data not determined	-

Result

RESULT	PROCEED TO
Unset or Set is displayed on the Techstream according to the driver seat belt condition	A

RESULT	PROCEED TO
Unset or Set is not displayed correctly on the Techstream according to the driver seat belt condition	B
NG is displayed on the Techstream	C

B ► REPLACE FRONT SEAT INNER BELT ASSEMBLY LH

C ► REPLACE AIRBAG SENSOR ASSEMBLY

A



3.	REPLACE MAIN BODY ECU
-----------	------------------------------

(a) Temporarily replace the main body ECU with a new or known good one  .

NEXT



4.	CHECK SEAT BELT WARNING LIGHT
-----------	--------------------------------------

(a) Check the operation of the seat belt warning light  .

OK:

The seat belt warning light operates normally.

NG ► REPLACE COMBINATION METER ASSEMBLY

OK ► END (MAIN BODY ECU WAS DEFECTIVE)



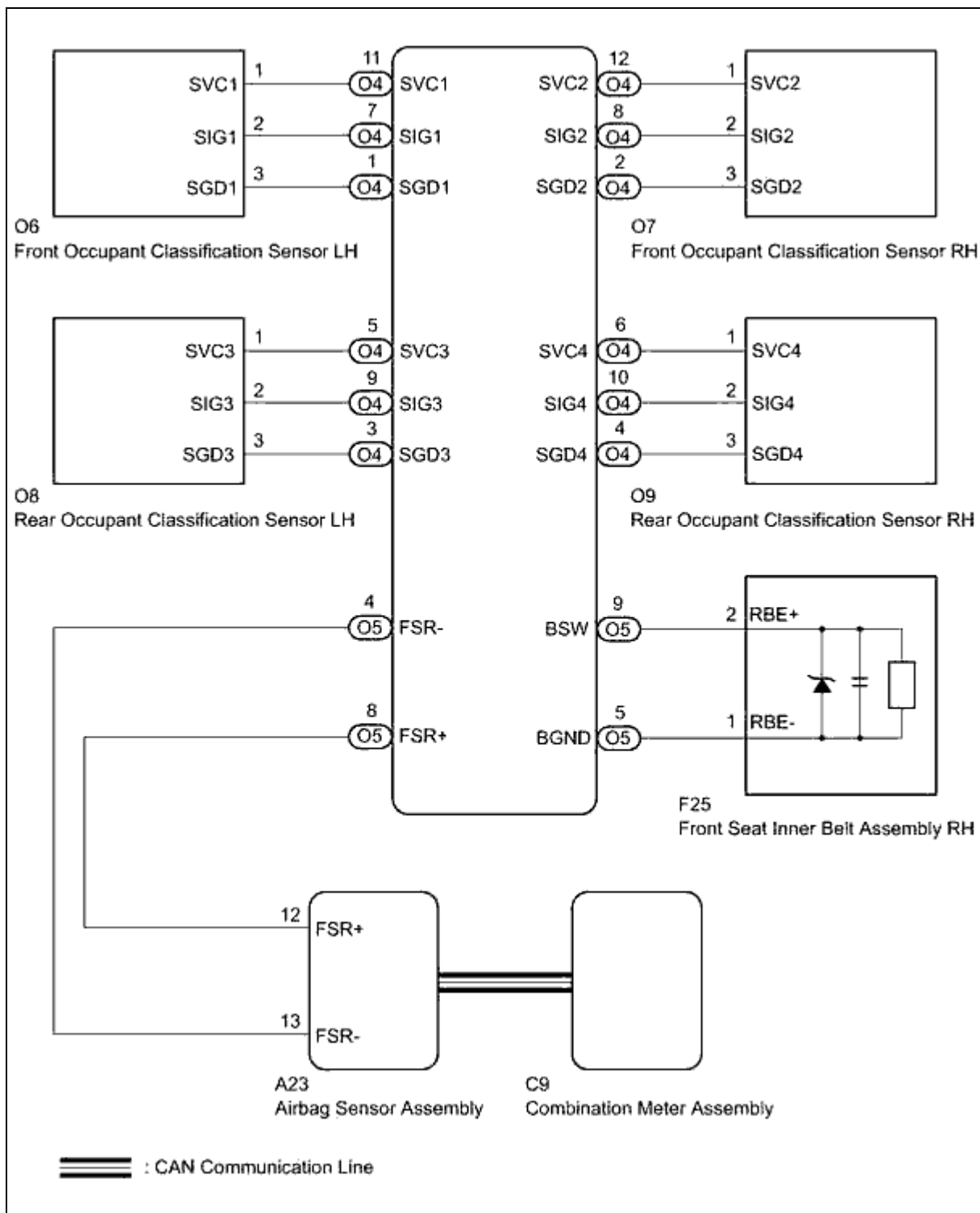
Last Modified: 11-13-2015	6.6 J	Doc ID: RM0000014DL0FUX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: Front Passenger Side Seat Belt Warning Light Malfunction; 2016 MY Tacoma [08/2015 -]		

Front Passenger Side Seat Belt Warning Light Malfunction

DESCRIPTION

The occupant classification ECU detects the state of the front seat inner belt assembly RH and load sensor when the front passenger side seat is occupied with the ignition switch ON. If the front passenger side seat belt is not fastened, the front passenger side seat belt warning light on the combination meter assembly blinks. If the seat belt is fastened, the warning light goes off.

WIRING DIAGRAM



INSPECTION PROCEDURE

PROCEDURE

1. CHECK DTC OUTPUT (OCCUPANT CLASSIFICATION SYSTEM)

(a) Clear the DTCs .

(b) Check for DTCs  .

Result

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

B  **GO TO OCCUPANT CLASSIFICATION SYSTEM**

A



2.	CHECK DTC OUTPUT (AIRBAG SYSTEM)
-----------	---

(a) Clear the DTCs  .

(b) Check for DTCs  .

Result

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

B  **GO TO AIRBAG SYSTEM**

A



3.	READ VALUE USING TECHSTREAM (PASSENGER BUCKLE SW)
-----------	--

(a) Connect the Techstream to the DLC3.

(b) Turn the ignition switch to ON.

(c) Turn the Techstream on.

(d) Enter the following menus: Body Electrical / Occupant Detection / Data List.

(e) Read the Data List according to the display on the Techstream.

Occupant Detection

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Passenger Buckle SW	Front passenger side seat belt buckle switch/Unset, Set or NG	Unset: Front passenger side seat belt unfastened Set: Front passenger side seat belt fastened NG: Data not determined	-

Result

RESULT	PROCEED TO
Unset or Set is displayed on the Techstream according to the front passenger seat belt condition	A
Unset or Set is not displayed correctly on the Techstream according to the front passenger seat belt condition	B
NG is displayed on the Techstream	C

B ► **REPLACE FRONT SEAT INNER BELT ASSEMBLY RH**

C ► **REPLACE OCCUPANT CLASSIFICATION ECU**

A



4.	READ VALUE USING TECHSTREAM (RIGHT SIDE BUCKLE SW)
-----------	---

- Connect the Techstream to the DLC3.
- Turn the ignition switch to ON.
- Turn the Techstream on.
- Enter the following menus: Body Electrical / SRS Airbag / Data List.
- Read the Data List according to the display on the Techstream.

SRS Airbag

TESTER DISPLAY	MEASUREMENT ITEM/RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Right side Buckle SW	Front passenger side seat belt buckle switch/Unset, Set or NG	Unset: Front passenger side seat belt unfastened Set: Front passenger side seat belt fastened NG: Data not determined	-

Result

RESULT	PROCEED TO
Unset or Set is displayed on the Techstream according to the front passenger seat belt condition	A
• Unset or Set is not displayed correctly on the Techstream according to the front passenger seat belt condition • NG is displayed on the Techstream	B

B ► REPLACE AIRBAG SENSOR ASSEMBLY

A ► USE SIMULATION METHOD TO CHECK



Last Modified: 11-13-2015	6.6 D	Doc ID: RM000000Y5I0JBX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: HOW TO PROCEED WITH TROUBLESHOOTING; 2016 MY Tacoma [08/2015 -]		

HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

- Use these procedure to troubleshoot the seat belt warning system.
- *: Use the Techstream.

1.	VEHICLE BROUGHT TO WORKSHOP
-----------	------------------------------------

NEXT



2.	CUSTOMER PROBLEM ANALYSIS
-----------	----------------------------------

HINT:

- In troubleshooting, confirm that the problem symptoms have been accurately identified. Preconceptions should be discarded in order to make an accurate judgment. To clearly understand what the problem symptoms are, it is extremely important to ask the customer about the problem and the conditions at the time the malfunction occurred.
- Gather as much information as possible for reference. Past problems that seem unrelated may also help in some cases.
- The following 5 items are important points in the problem analysis:

What	Vehicle, system name
When	Date, time, occurrence frequency
Where	Road conditions
Under what conditions?	Driving conditions, weather conditions
How did it happen?	Problem symptoms

NEXT



3.	INSPECT BATTERY VOLTAGE
-----------	--------------------------------

(a) Measure the battery voltage.

Standard voltage:

11 to 14 V

If the voltage is below 11 V, recharge or replace the battery before proceeding to the next step.

NEXT



4.	CHECK COMMUNICATION FUNCTION OF CAN COMMUNICATION SYSTEM*
----	--

(a) Use the Techstream to check if the CAN communication system is functioning normally.

Result

RESULT	PROCEED TO
CAN DTC is not output	A
CAN DTC is output	B

B **GO TO CAN COMMUNICATION SYSTEM**

A



5.	CHECK FOR DTC (AIRBAG SYSTEM)*
----	---------------------------------------

(a) Clear the DTC  .

(b) Recheck for DTCs.

Result

RESULT	PROCEED TO
DTC is not output	A
DTC is output	B

B **GO TO AIRBAG SYSTEM**

A



6.	CHECK FOR DTC (OCCUPANT CLASSIFICATION SYSTEM)*
----	--

(a) Clear the DTC [INFO](#) .

(b) Recheck for DTCs.

Result

RESULT	PROCEED TO
DTC is not output	A
DTC is output	B

B  **GO TO OCCUPANT CLASSIFICATION SYSTEM**

A



7.	PROBLEM SYMPTOMS TABLE
-----------	-------------------------------

(a) Refer to the Problem Symptoms Table [INFO](#) .

Result

RESULT	PROCEED TO
Fault is not listed in Problem Symptoms Table	A
Fault is listed in Problem Symptoms Table	B

B  **GO TO STEP 9**

A



8.	OVERALL ANALYSIS AND TROUBLESHOOTING*
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(a) Data List / Active Test [INFO](#) .

(b) Terminals of ECU [INFO](#) .

(c) On-vehicle Inspection [INFO](#) .

NEXT



9.	REPAIR OR REPLACE
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NEXT



10.	CONFIRMATION TEST
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NEXT  **END**



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: ON-VEHICLE INSPECTION; 2016 MY Tacoma [08/2015 -]		

ON-VEHICLE INSPECTION

1. INSPECT DRIVER SEAT BELT WARNING LIGHT

HINT:

The seat belt warning light on the combination meter assembly is used for both the driver seat and front passenger seat.

- (a) Turn the ignition switch to ON.
- (b) When the driver seat belt is not fastened, check that the seat belt warning light on the combination meter assembly blinks for 6 seconds.

Check that the seat belt warning light on the combination meter assembly changes from blinking to illuminated.

- (c) Lift up the vehicle using a swing arm type lift  .
- (d) Start the engine.
- (e) Check the state of the seat belt warning light on the combination meter assembly under the following conditions:

(1) Step 1:

When the driver seat belt is not fastened, the shift lever is in any position other than P and the parking brake is released for 24 seconds or more, check that the seat belt warning light on the combination meter assembly blinks.

(2) Step 2:

When the driver seat belt is not fastened and the vehicle is driven at approximately 20 km/h (12 mph) or more, check that the seat belt warning light on the combination meter assembly blinks. After 53.6 seconds, check that the seat belt warning light on the combination meter assembly changes from blinking to illuminated.

(3) Step 3:

Starting from step 1 with the seat belt warning light on the combination meter assembly blinking, when the shift lever is moved to P, check that the seat belt warning light on the combination meter assembly changes from blinking to illuminated.

(4) Step 4:

Starting from step 1 with the seat belt warning light on the combination meter assembly blinking, when the parking brake is applied, check that the seat belt warning light on the combination meter assembly changes from blinking to illuminated.

(5) Step 5:

Starting from step 1 with the seat belt warning light on the combination meter assembly blinking, when the driver seat belt is fastened, check that the seat belt warning light on the combination meter assembly turns off.

2. INSPECT FRONT PASSENGER SEAT BELT WARNING LIGHT

HINT:

The seat belt warning light on the combination meter assembly is used for both the driver seat and front passenger seat.

(a) Place a weight of 20 kg (44.0 lb) on the front passenger seat.

NOTICE:

Place the weight on the seat cushion and allow it to come into contact with the seatback.

(b) Fasten the driver seat belt.

(c) Turn the ignition switch to ON.

(d) When the front passenger seat belt is not fastened with the front passenger seat occupied, check that the seat belt warning light on the combination meter assembly blinks for 6 seconds.

Check that the seat belt warning light on the combination meter assembly changes from blinking to illuminated.

(e) Lift up the vehicle using a swing arm type lift  .

(f) Start the engine.

(g) Check the state of the seat belt warning light on the combination meter assembly under the following conditions:

(1) Step 1:

When the front passenger seat belt is not fastened, the shift lever is in any position other than P and the parking brake is released for 24 seconds or more, check that the seat belt warning light on the combination meter assembly blinks.

(2) Step 2:

When the front passenger seat belt is not fastened and the vehicle is driven at approximately 20 km/h (12 mph) or more, check that the seat belt warning light on the combination meter assembly blinks.

After 53.6 seconds, check that the seat belt warning light on the combination meter assembly changes from blinking to illuminated.

(3) Step 3:

Starting from step 1 with the seat belt warning light on the combination meter assembly blinking, when the shift lever is moved to P, check that the seat belt warning light on the combination meter assembly changes from blinking to illuminated.

(4) Step 4:

Starting from step 1 with the seat belt warning light on the combination meter assembly blinking, when the parking brake is applied, check that the seat belt warning light on the combination meter assembly changes from blinking to illuminated.

(5) Step 5:

Starting from step 1 with the seat belt warning light on the combination meter assembly blinking, with the front passenger seat belt not fastened and the weight on the front passenger seat, check that the seat belt warning light on the combination meter assembly turns off when the weight is removed from the front passenger seat.

(6) Step 6:

Starting from step 1 with the seat belt warning light on the combination meter assembly blinking, when the front passenger seat belt is fastened, check that the seat belt warning light on the combination meter assembly turns off.

3. INSPECT SEAT BELT WARNING BUZZER

HINT:

The seat belt warning buzzer can be customized. Make sure that this function is ON  .

(a) Place a weight of 20 kg (44.0 lb) on the front passenger seat.

NOTICE:

Place the weight on the seat cushion and allow it to come into contact with the seatback.

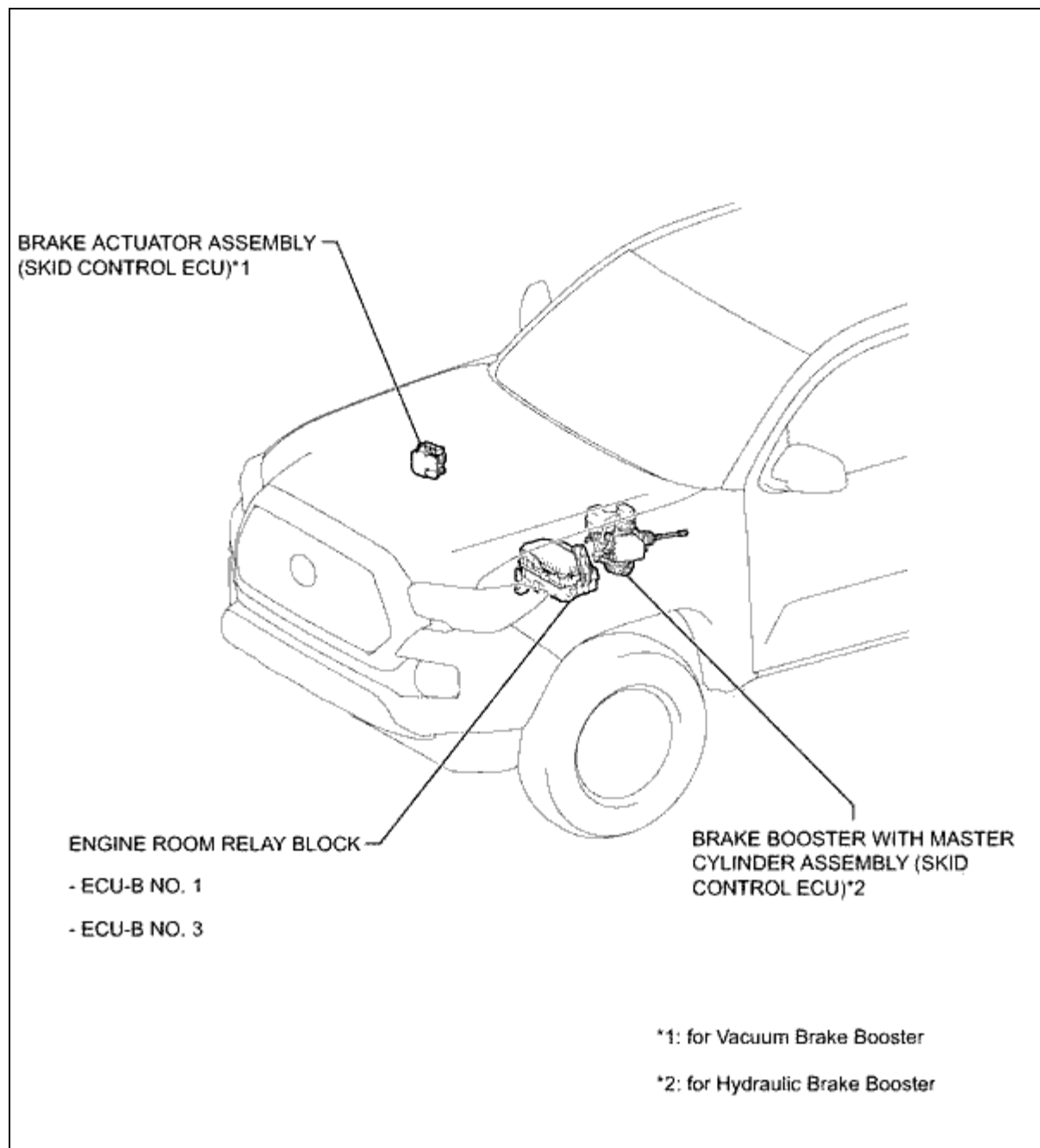
- (b) After turning the ignition switch to ON, if the driver seat belt is not fastened within 1.8 seconds, check that the seat belt warning buzzer in the combination meter assembly sounds at an interval of 1.2 seconds for 6 seconds.
- (c) Lift up the vehicle using a swing arm type lift (See page ).
- (d) Start the engine.
- (e) When the driver or front passenger seat belt is not fastened and the vehicle is driven at approximately 20 km/h (12 mph) or more, check that the seat belt warning buzzer in the combination meter assembly sounds once.
- (f) When 24 seconds have passed after the buzzer sounded, check that the seat belt warning buzzer in the combination meter assembly sounds at an interval of 1.2 seconds for 9.6 seconds.
- (g) After the seat belt warning buzzer has been sounding for 9.6 seconds at an interval of 1.2 seconds, check that the seat belt warning buzzer in the combination meter assembly sounds at an interval of 0.4 seconds for 20 seconds.
- (h) Check that the seat belt warning buzzer in the combination meter assembly stops 29.6 seconds after it started sounding at an interval of 1.2 seconds.
- (i) After the seat belt warning buzzer in the combination meter assembly stops, the ignition switch is turned off and the engine is restarted, check that the buzzer sounds once again and then sounds according to the appropriate pattern when the vehicle is driven at 20 km/h (12 mph) or more with the driver or front passenger seat belt not fastened.
- (j) After the seat belt warning buzzer in the combination meter assembly stops and the vehicle is driven at 20 km/h (12 mph) or more with the driver or front passenger seat belt fastened, when the driver or front passenger seat belt is unfastened, check that the buzzer sounds once again and then sounds according to the appropriate pattern.
- (k) After the seat belt warning buzzer in the combination meter assembly stops sounding, move the shift lever to R, and then move it to D. Drive the vehicle at 20 km/h (12 mph) or more with the driver or front passenger seat belt not fastened, and check that the buzzer sounds once again and then sounds according to the appropriate pattern.



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Title: SEAT BELT: SEAT BELT WARNING SYSTEM: PARTS LOCATION; 2016 MY Tacoma [08/2015 -]		

PARTS LOCATION

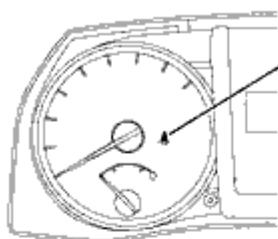
ILLUSTRATION



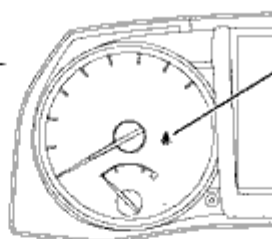
ILLUSTRATION

w/o Multi-information Display:

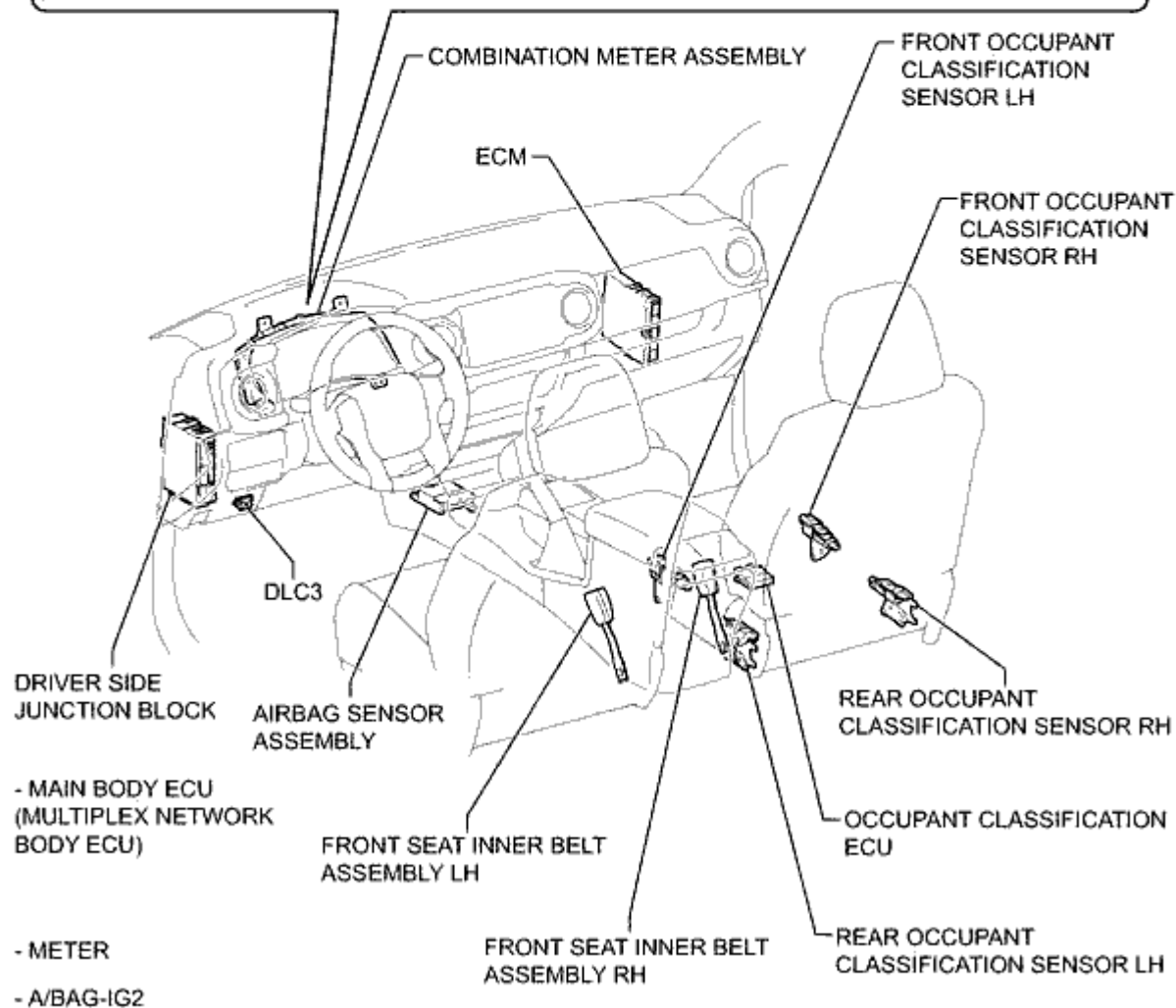
w/ Multi-information Display:



SEATBELT
WARNING LIGHT



SEATBELT
WARNING LIGHT



Last Modified: 11-13-2015	6.6 L	Doc ID: RM000003X0201AX
Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: PRECAUTION; 2016 MY Tacoma [08/2015 -]		

PRECAUTION

1. IGNITION SWITCH EXPRESSIONS

(a) The type of ignition switch used on this model differs according to the specifications of the vehicle. The expressions listed in the table below are used in this section.

EXPRESSION	IGNITION SWITCH (POSITION)	ENGINE SWITCH (CONDITION)
Ignition switch off	LOCK	Off
Ignition switch ACC	ACC	On (ACC)
Ignition switch ON	ON	On (IG)
Engine start	START	Start



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: PROBLEM SYMPTOMS TABLE; 2016 MY Tacoma [08/2015 -]		

PROBLEM SYMPTOMS TABLE

HINT:

- Use the table below to help determine the cause of problem symptoms. If multiple suspected areas are listed, the potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.
- Inspect the fuses and relays related to this system before inspecting the suspected areas below.

Seat Belt Warning System

SYMPTOM	SUSPECTED AREA	LINK
Driver side seat belt warning light does not operate	Refer to the "Driver side seat belt warning light does not operate"	INFO
Front passenger side seat belt warning light malfunction	Refer to the "Front passenger side seat belt warning light malfunction"	INFO
Seat belt warning light does not operate for driver and front passenger seats	Combination meter assembly	-
Seat belt warning buzzer does not operate	Check customized settings using the Techstream	INFO
	Combination meter assembly	-



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: SYSTEM DESCRIPTION; 2016 MY Tacoma [08/2015 -]		

SYSTEM DESCRIPTION

1. SEAT BELT WARNING SYSTEM DESCRIPTION

(a) Seat belt warning light operation for driver seat belt:

The seat belt warning light on the combination meter assembly illuminates, blinks or turns off in accordance with the driver seat belt state, vehicle speed, shift lever position and parking brake state.

(b) Seat belt warning light operation for front passenger seat belt:

The seat belt warning light on the combination meter assembly illuminates, blinks or turns off in accordance with whether the front passenger seat is occupied, the front passenger seat belt state, vehicle speed, shift lever position and parking brake state.

(c) Seat belt warning buzzer:

After turning the ignition switch to ON, if the driver seat belt is not fastened within 1.8 seconds, check that the seat belt warning buzzer in the combination meter assembly sounds at an interval of 1.2 seconds for 6 seconds.

When the vehicle is driven at 20 km/h (12 mph) or more with the front passenger seat occupied and the driver or front passenger seat belt not fastened, the seat belt warning buzzer in the combination meter assembly sounds once.

When 24 seconds have passed after the buzzer sounded, the seat belt warning buzzer in the combination meter assembly sounds at an interval of 1.2 seconds for 9.6 seconds.

After that, the seat belt warning buzzer in the combination meter assembly sounds at an interval of 0.4 seconds for 20 seconds.

2. FUNCTION OF MAIN COMPONENTS

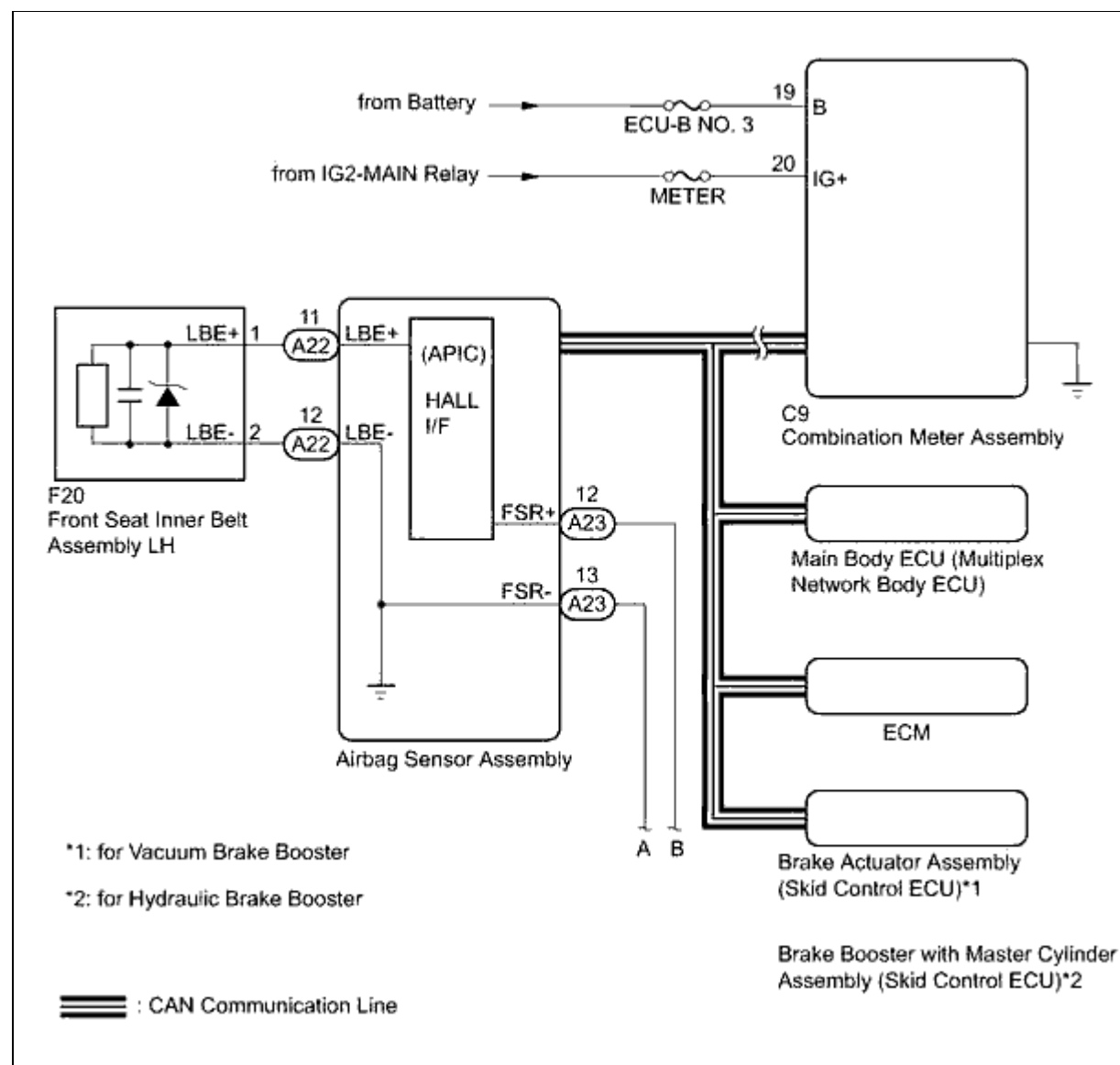
COMPONENT	FUNCTION
Front seat inner belt assembly LH	Informs the airbag sensor assembly of the driver seat belt condition (fastened or unfastened).
Front seat inner belt assembly RH	Informs the occupant detection ECU of the front passenger seat belt condition (fastened or unfastened).
• Front occupant classification sensor LH • Front occupant classification sensor RH • Rear occupant classification sensor LH • Rear occupant classification sensor RH	Informs the occupant detection ECU of the front passenger seat condition (occupied or unoccupied).
Combination meter assembly	• The combination meter assembly illuminates, blinks or turns off the seat belt warning light. • The combination meter assembly sounds the seat belt warning buzzer.

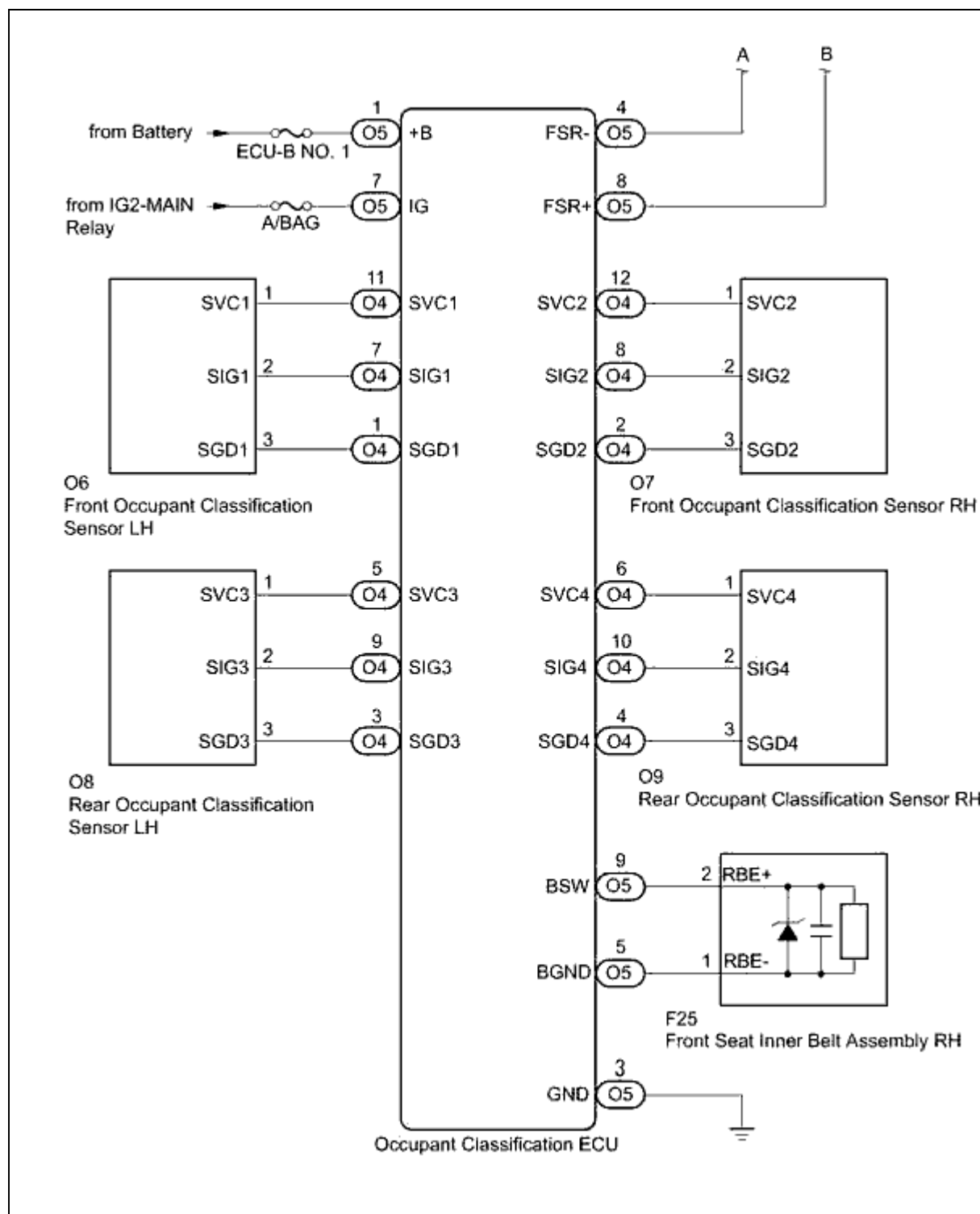
- *1: for Vacuum brake booster
- *2: for Hydraulic brake booster



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: SYSTEM DIAGRAM; 2016 MY Tacoma [08/2015 -]		

SYSTEM DIAGRAM





Communication Table

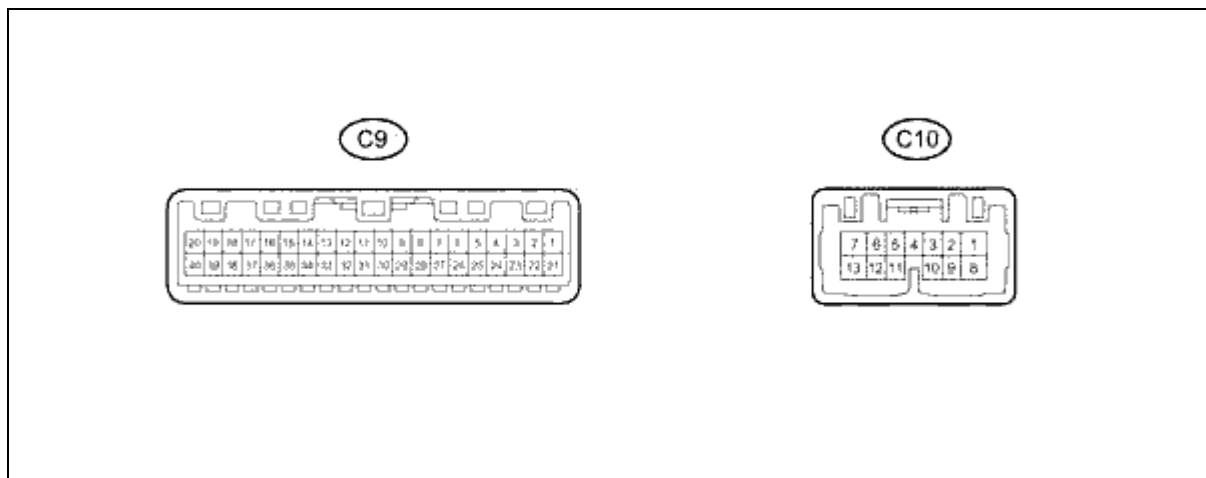
SENDER	RECEIVER	SIGNAL	COMMUNICATION METHOD
Airbag sensor assembly	Main body ECU	Front seat inner belt assembly LH buckle switch	CAN
	Combination meter assembly	- Front seat inner belt assembly RH buckle switch - Occupant detection signal	



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Model Year Start: 2016	Model: Tacoma	Prod Date Range: [08/2015 -]
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: TERMINALS OF ECU; 2016 MY Tacoma [08/2015 -]		

TERMINALS OF ECU

1. CHECK COMBINATION METER ASSEMBLY

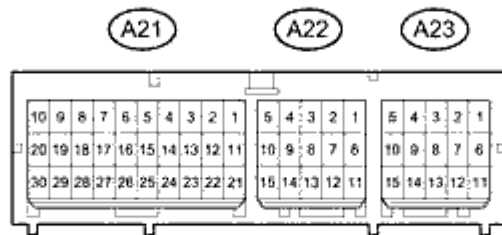


(a) Measure the resistance and voltage according to the value(s) in the table below.

TERMINAL NO. (SYMBOL)	WIRING COLOR	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
C9-19 (B) - Body ground	P - Body ground	Battery power supply	Always	11 to 14 V
C9-20 (IG+) - Body ground	BE - Body ground	Ignition switch power supply	Ignition switch ON	11 to 14 V
			Ignition switch off	Below 1 V
C9-17 (EP) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
C9-18 (ES) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
C9-1 (CANH) - Body ground	G - Body ground	CAN communication line	Always	200 Ω or higher
C9-2 (CANL) - Body ground	W - Body ground	CAN communication line	Always	200 Ω or higher

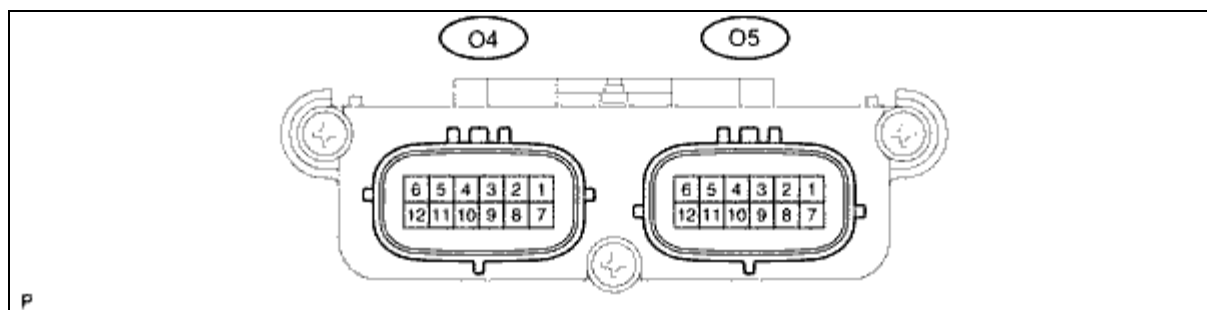
If the result is not as specified, the combination meter assembly may have a malfunction.

2. CHECK CENTER AIRBAG SENSOR ASSEMBLY



TERMINAL NO.	TERMINAL SYMBOL	DESTINATION
A23-12	FSR+	Occupant classification ECU
A23-13	FSR-	Occupant classification ECU
A22-11	LBE+	Front seat inner belt assembly (for driver side)
A22-12	LBE-	Front seat inner belt assembly (for driver side)

3. CHECK OCCUPANT CLASSIFICATION ECU



(a) Measure the voltage and check for pulses according to the value(s) in the table below.

TERMINAL NO. (SYMBOL)	WIRING COLOR	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
O5-1 (+B) - O5-3 (GND)	R - W-B	Battery power supply	Always	11 to 14 V
O5-2 (DIA) - O5-3 (GND)	W - W-B	Diagnosis (DLC3)	Ignition switch ON	Pulse generation
O5-3 (GND) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
O5-7 (IG) - O5-3 (GND)	BE - W-B	Ignition switch power supply	Ignition switch ON	11 to 14 V
O5-8 (FSR+) - O5-4 (FSR-)	W - B	Center airbag sensor assembly communication line	Ignition switch ON	Pulse generation

TERMINAL NO. (SYMBOL)	WIRING COLOR	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
O5-9 (BSW) - O5-5 (BGND)	G - P-G	Front passenger side buckle switch line	Always	4 to 14 V
O4-1 (SGD1) - O5-3 (GND)	L - W-B	Front occupant classification sensor LH ground line	Always	Below 1 V
O4-2 (SGD2) - O5-3 (GND)	BE - W-B	Front occupant classification sensor RH ground line	Always	Below 1 V
O4-3 (SGD3) - O5-3 (GND)	P-G - W-B	Rear occupant classification sensor LH ground line	Always	Below 1 V
O4-4 (SGD4) - O5-3 (GND)	B-R - W-B	Rear occupant classification sensor RH ground line	Always	Below 1 V
O4-11 (SVC1) - O4-1 (SGD1)	B-L - L	Front occupant classification sensor LH power supply line	Ignition switch ON, a load applied to front occupant classification sensor LH	4.9 to 5.1 V
O4-12 (SVC2) - O4-2 (SGD2)	LG-B - BE	Front occupant classification sensor RH power supply line	Ignition switch ON, a load applied to front occupant classification sensor RH	4.9 to 5.1 V
O4-5 (SVC3) - O4-3 (SGD3)	B - P-G	Rear occupant classification sensor LH power supply line	Ignition switch ON, a load applied to rear occupant classification sensor LH	4.9 to 5.1 V
O4-6 (SVC4) - O4-4 (SGD4)	GR-L - B-R	Rear occupant classification sensor RH power supply line	Ignition switch ON, a load applied to rear occupant classification sensor RH	4.9 to 5.1 V
O4-7 (SIG1) - O4-1 (SGD1)	G - L	Front occupant classification sensor LH signal line	Ignition switch ON, a load applied to front occupant classification sensor LH	0 to 5.1 V
O4-8 (SIG2) - O4-2 (SGD2)	R-L - BE	Front occupant classification sensor RH signal line	Ignition switch ON, a load applied to front occupant classification sensor RH	0 to 5.1 V
O4-9 (SIG3) - O4-3 (SGD3)	R-B - P-G	Rear occupant classification sensor LH signal line	Ignition switch ON, a load applied to rear occupant classification sensor LH	0 to 5.1 V
O4-10 (SIG4) - O4-4 (SGD4)	L-R - B-R	Rear occupant classification sensor RH signal line	Ignition switch ON, a load applied to rear occupant classification sensor RH	0 to 5.1 V

If the result is not as specified, the occupant classification ECU may have a malfunction.

