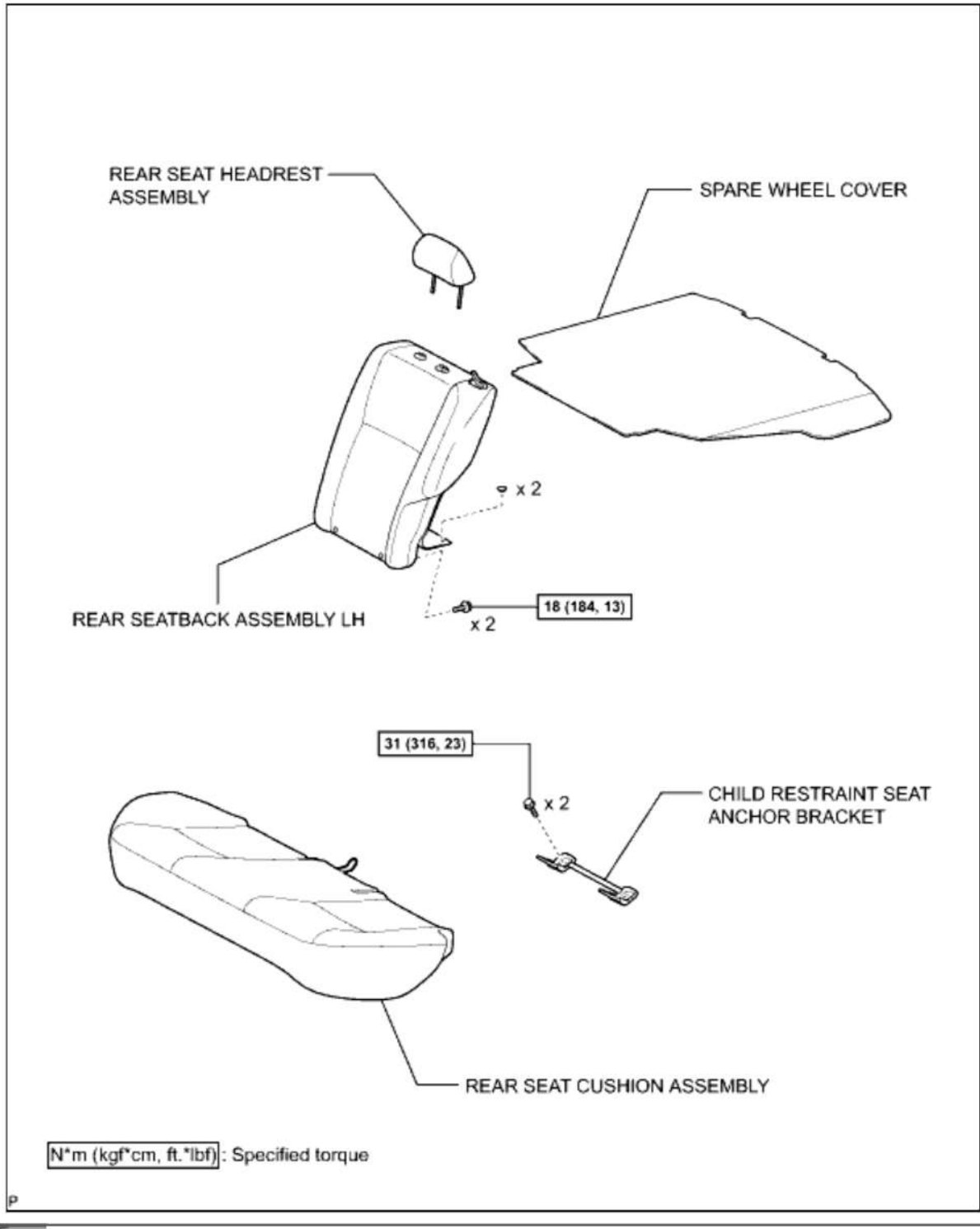


Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFK008X
Title: SEAT BELT: CHILD RESTRAINT SEAT ANCHOR BRACKET: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION



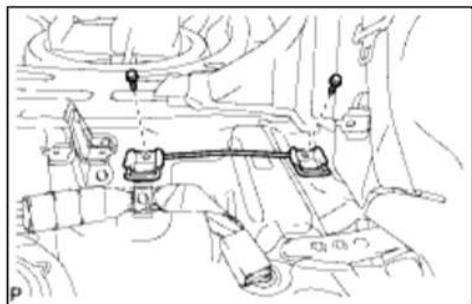


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Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFL008X
Title: SEAT BELT: CHILD RESTRAINT SEAT ANCHOR BRACKET: REMOVAL (2010 Corolla)		

REMOVAL

1. REMOVE SPARE WHEEL COVER
2. REMOVE REAR SEAT HEADREST ASSEMBLY
3. REMOVE REAR SEAT CUSHION ASSEMBLY
4. REMOVE REAR SEAT BACK ASSEMBLY LH
5. REMOVE CHILD RESTRAINT SEAT ANCHOR BRACKET



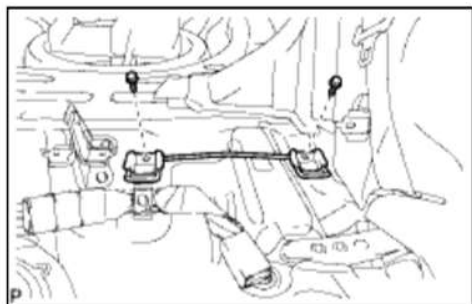
(a) Remove the 2 bolts and child restraint seat anchor bracket.



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFJ008X
Title: SEAT BELT: CHILD RESTRAINT SEAT ANCHOR BRACKET: INSTALLATION (2010 Corolla)		

INSTALLATION

1. INSTALL CHILD RESTRAINT SEAT ANCHOR BRACKET



(a) Install the child restraint seat anchor bracket with the 2 bolts.

Torque: 31 N·m (316 kgf·cm, 23ft·lbf)

2. INSTALL REAR SEAT BACK ASSEMBLY LH [INFO](#)

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

4. INSTALL REAR SEAT HEADREST ASSEMBLY

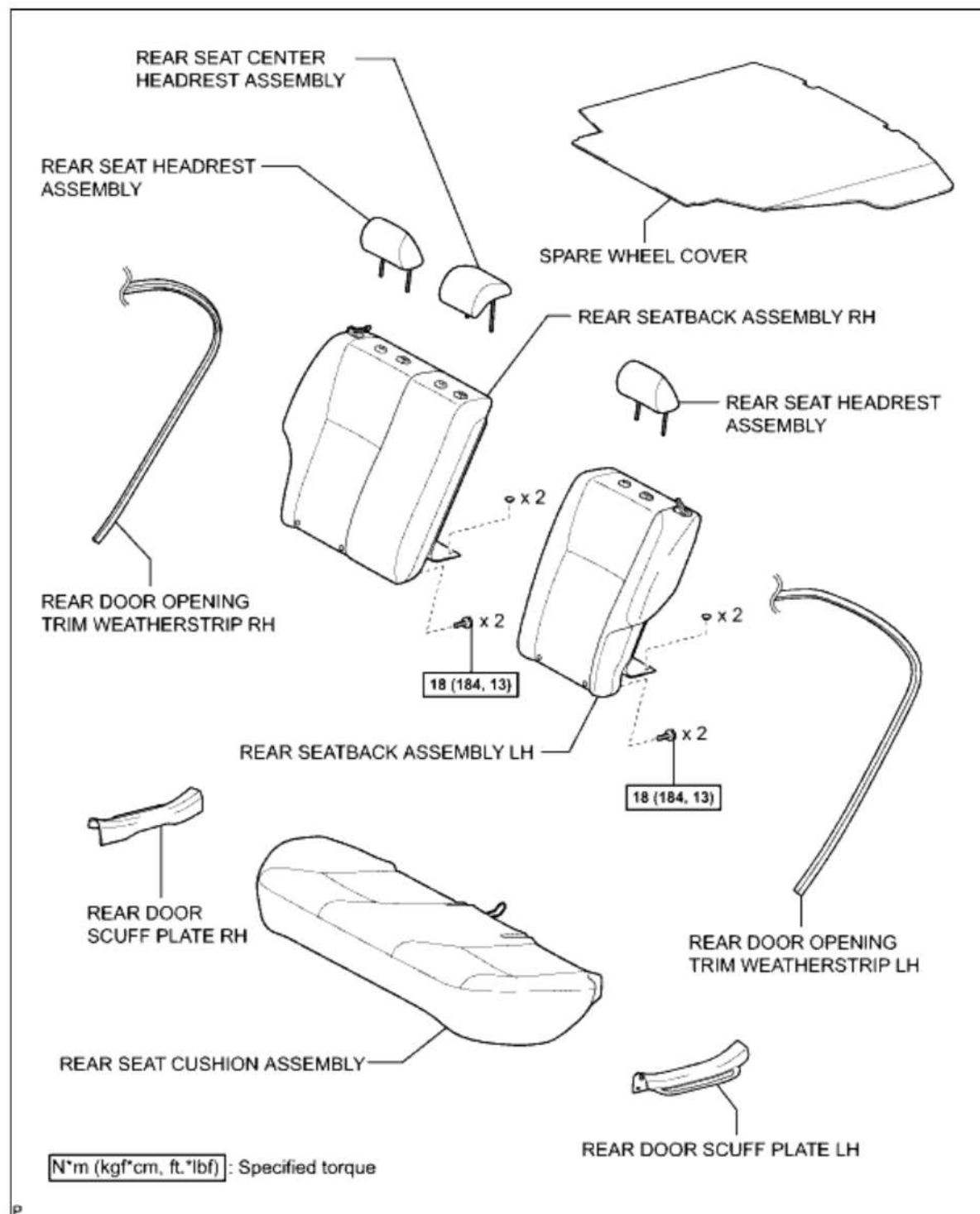
5. INSTALL SPARE WHEEL COVER [INFO](#)



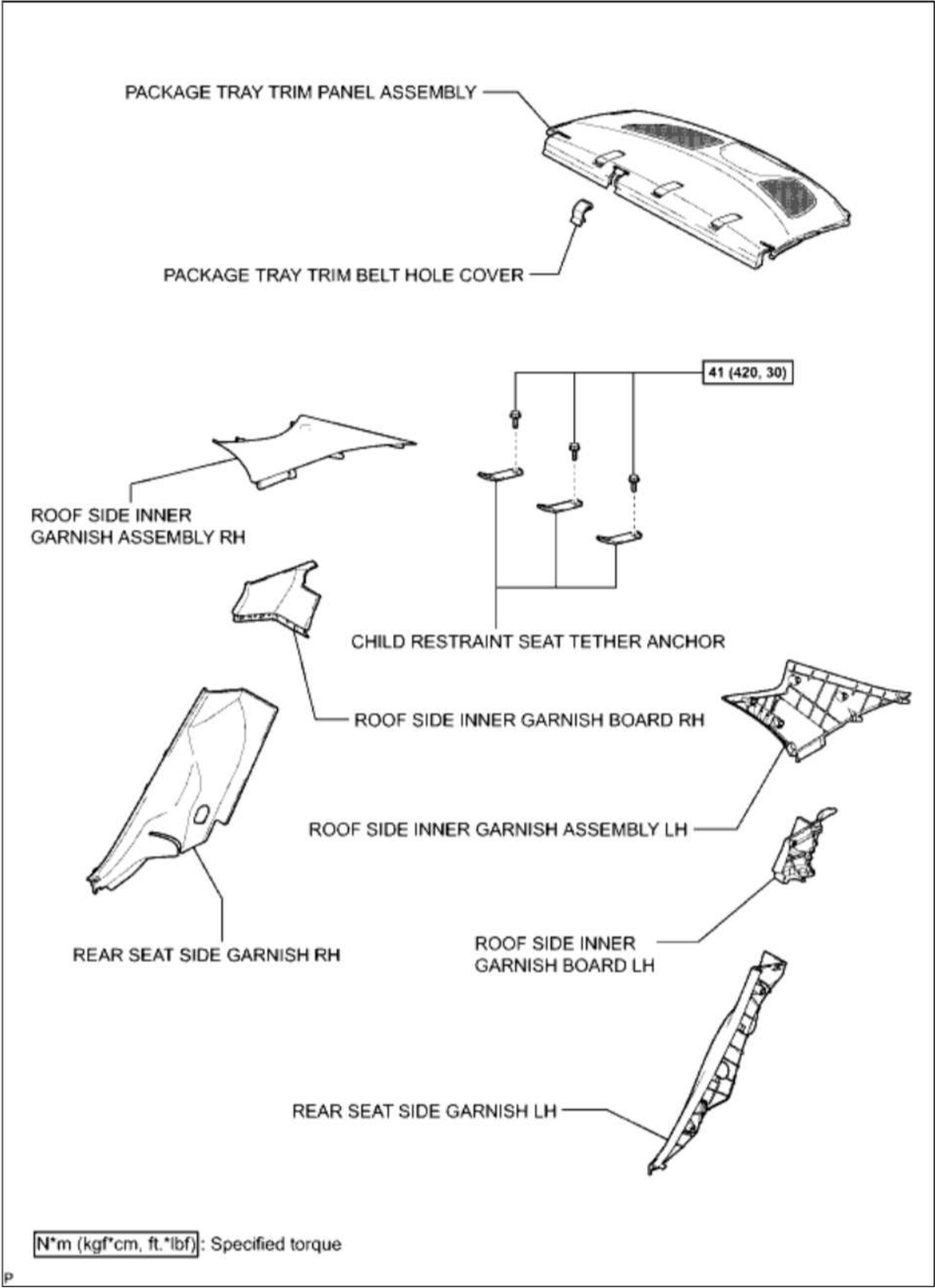
Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFH007X
Title: SEAT BELT: CHILD RESTRAINT SEAT TETHER ANCHOR: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



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Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XF1007X
Title: SEAT BELT: CHILD RESTRAINT SEAT TETHER ANCHOR: REMOVAL (2010 Corolla)		

REMOVAL

1. REMOVE SPARE WHEEL COVER 
2. REMOVE REAR SEAT HEADREST ASSEMBLY
3. REMOVE REAR SEAT CENTER HEADREST ASSEMBLY
4. REMOVE REAR SEAT CUSHION ASSEMBLY 
5. REMOVE REAR SEATBACK ASSEMBLY LH 
6. REMOVE REAR SEATBACK ASSEMBLY RH 
7. REMOVE REAR DOOR SCUFF PLATE LH 
8. DISCONNECT REAR DOOR OPENING TRIM WEATHERSTRIP LH
9. REMOVE REAR SEAT SIDE GARNISH LH 
10. REMOVE ROOF SIDE INNER GARNISH BOARD LH 
11. REMOVE ROOF SIDE INNER GARNISH ASSEMBLY LH 
12. REMOVE REAR DOOR SCUFF PLATE RH

HINT:

Use the same procedure for the RH side and the LH side.

13. DISCONNECT REAR DOOR OPENING TRIM WEATHERSTRIP RH
14. REMOVE REAR SEAT SIDE GARNISH RH

HINT:

Use the same procedure for the RH side and the LH side.

15. REMOVE ROOF SIDE INNER GARNISH BOARD RH

HINT:

Use the same procedure for the RH side and the LH side.

16. REMOVE ROOF SIDE INNER GARNISH ASSEMBLY RH

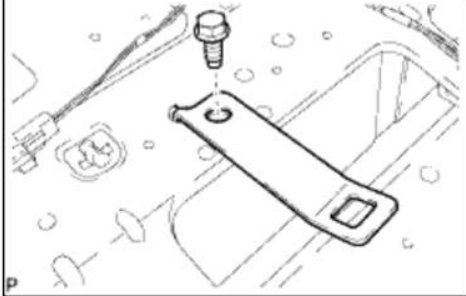
HINT:

Use the same procedure for the RH side and the LH side.

17. REMOVE PACKAGE TRAY TRIM BELT HOLE COVER 
18. REMOVE PACKAGE TRAY TRIM PANEL ASSEMBLY (w/o Rear Spoiler) 

19. REMOVE PACKAGE TRAY TRIM PANEL ASSEMBLY (w/ Rear Spoiler)

INFO

20. REMOVE CHILD RESTRAINT SEAT TETHER ANCHOR

(a) Remove the bolt and child restraint seat tether anchor.

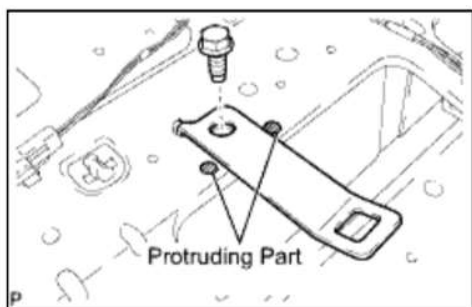


TOYOTA

Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFG007X
Title: SEAT BELT: CHILD RESTRAINT SEAT TETHER ANCHOR: INSTALLATION (2010 Corolla)		

INSTALLATION

1. INSTALL CHILD RESTRAINT SEAT TETHER ANCHOR



(a) Install the child restraint seat tether anchor with the bolt.

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)

NOTICE:

Do not allow the anchor part of the child restraint seat tether anchor to overlap the protruding parts of the upper panel.

2. INSTALL PACKAGE TRAY TRIM PANEL ASSEMBLY (w/o Rear Spoiler) INFO

3. INSTALL PACKAGE TRAY TRIM PANEL ASSEMBLY (w/ Rear Spoiler) INFO

4. INSTALL PACKAGE TRAY TRIM BELT HOLE COVER INFO

5. INSTALL ROOF SIDE INNER GARNISH ASSEMBLY LH INFO

6. INSTALL ROOF SIDE INNER GARNISH BOARD LH INFO

7. INSTALL REAR SEAT SIDE GARNISH LH INFO

8. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP LH INFO

9. INSTALL REAR DOOR SCUFF PLATE LH INFO

10. INSTALL ROOF SIDE INNER GARNISH ASSEMBLY RH

HINT:

Use the same procedure for the RH side and the LH side.

11. INSTALL ROOF SIDE INNER GARNISH BOARD RH

HINT:

Use the same procedure for the RH side and the LH side.

12. INSTALL REAR SEAT SIDE GARNISH RH

HINT:

Use the same procedure for the RH side and the LH side.

13. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP RH **14. INSTALL REAR DOOR SCUFF PLATE RH****HINT:**

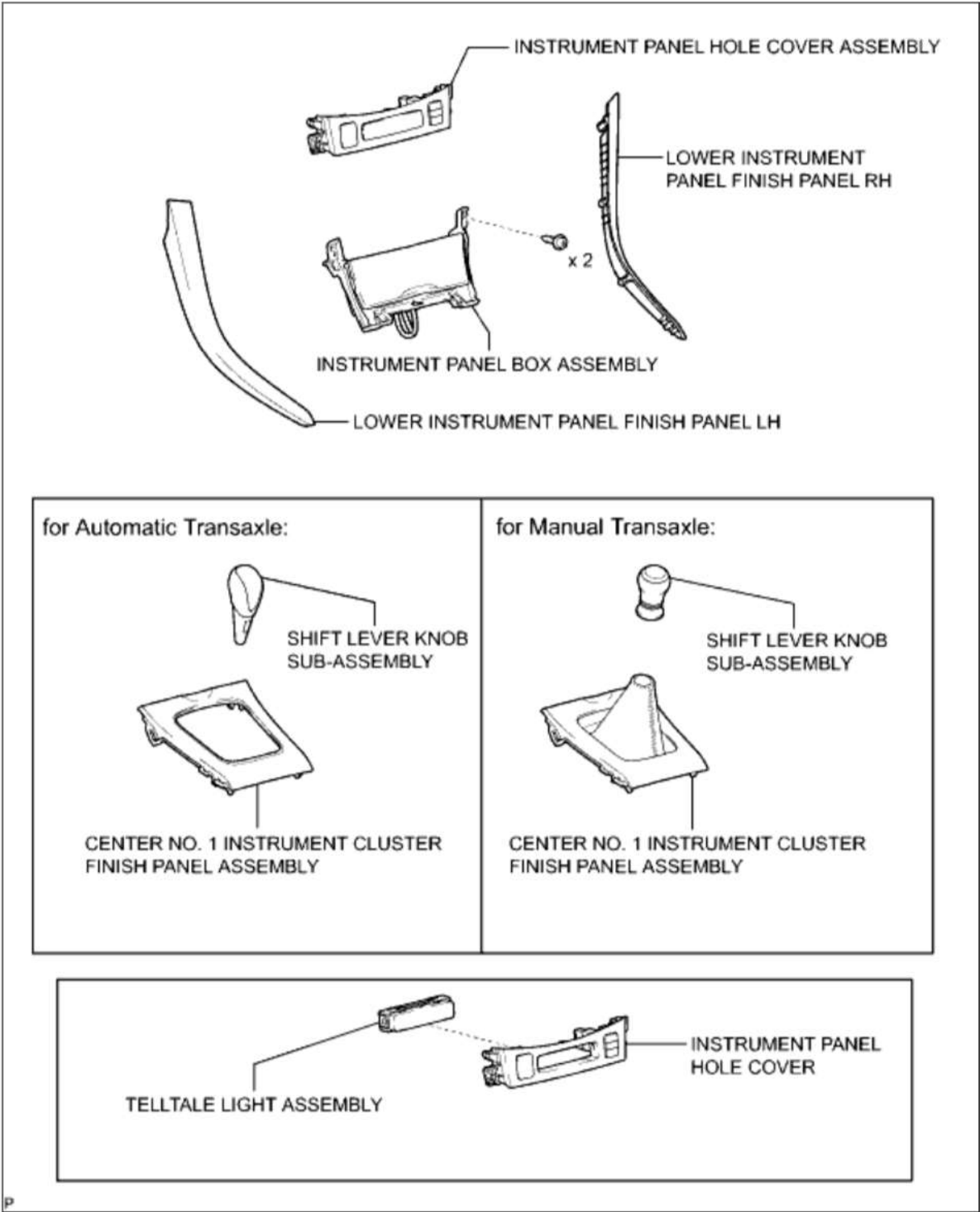
Use the same procedure for the RH side and the LH side.

15. INSTALL REAR SEATBACK ASSEMBLY LH **16. INSTALL REAR SEATBACK ASSEMBLY RH** **17. INSTALL REAR SEAT CUSHION ASSEMBLY** **18. INSTALL REAR SEAT CENTER HEADREST ASSEMBLY****19. INSTALL REAR SEAT HEADREST ASSEMBLY****20. INSTALL SPARE WHEEL COVER** 

Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFO00DX
Title: SEAT BELT: FRONT PASSENGER SEAT BELT WARNING LIGHT: COMPONENTS (2010 Corolla)		

[COMPONENTS](#)

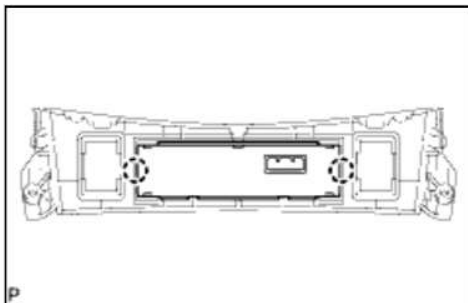
[ILLUSTRATION](#)



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFP00DX
Title: SEAT BELT: FRONT PASSENGER SEAT BELT WARNING LIGHT: REMOVAL (2010 Corolla)		

REMOVAL

1. REMOVE LOWER INSTRUMENT PANEL FINISH PANEL LH [INFO](#)
2. REMOVE LOWER INSTRUMENT PANEL FINISH PANEL RH [INFO](#)
3. REMOVE SHIFT LEVER KNOB SUB-ASSEMBLY (for Manual Transaxle) [INFO](#)
4. REMOVE SHIFT LEVER KNOB SUB-ASSEMBLY (for Automatic Transaxle) [INFO](#)
5. REMOVE CENTER NO. 1 INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (for Manual Transaxle) [INFO](#)
6. REMOVE CENTER NO. 1 INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (for Automatic Transaxle) [INFO](#)
7. REMOVE INSTRUMENT PANEL BOX ASSEMBLY [INFO](#)
8. REMOVE INSTRUMENT PANEL HOLE COVER ASSEMBLY [INFO](#)
9. REMOVE TELLTALE LIGHT ASSEMBLY



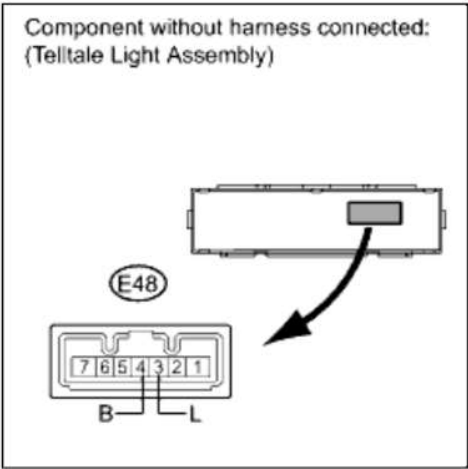
(a) Disengage the 2 claws and remove the telltale light assembly.

Last Modified: 3-10-2010	6.4 G	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFN00EX
Title: SEAT BELT: FRONT PASSENGER SEAT BELT WARNING LIGHT: INSPECTION (2010 Corolla)		

INSPECTION

1. INSPECT TELLTALE LIGHT ASSEMBLY

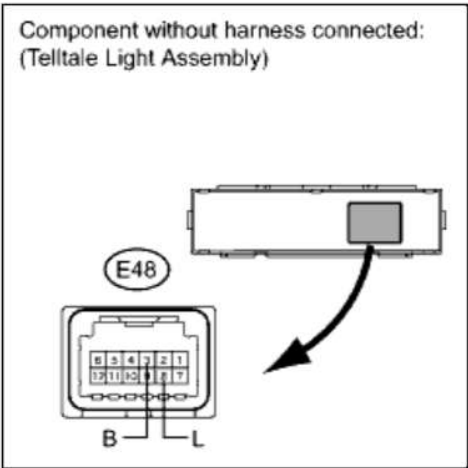
- (a) Check the telltale light assembly (front passenger seat belt warning light) condition.
- (b) for Telltale Light (w/o Clock):



- (1) Apply battery voltage to the connector according to the table below.
- OK:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
Battery positive (+) → E48-4 (B) Battery negative (-) → E48-3 (L)	Always	Seat belt warning light comes on

- (c) for Telltale Light (w/ Clock):



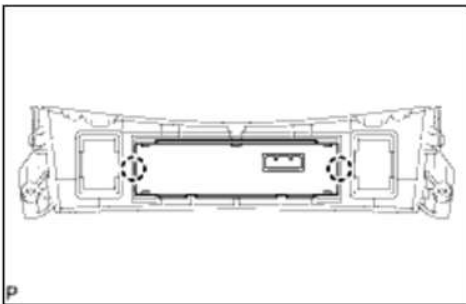
- (1) Apply battery voltage to the connector according to the table below.
- OK:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
Battery positive (+) → E48-3 (B) Battery negative (-) → E48-8 (L)	Always	Seat belt warning light comes on

Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFM00DX
Title: SEAT BELT: FRONT PASSENGER SEAT BELT WARNING LIGHT: INSTALLATION (2010 Corolla)		

INSTALLATION

1. INSTALL TELLTALE LIGHT ASSEMBLY



(a) Engage the 2 claws and install the telltale light assembly.

2. INSTALL INSTRUMENT PANEL HOLE COVER ASSEMBLY [INFO](#)

3. INSTALL INSTRUMENT PANEL BOX ASSEMBLY [INFO](#)

4. INSTALL CENTER NO. 1 INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (for Manual Transaxle) [INFO](#)

5. INSTALL CENTER NO. 1 INSTRUMENT CLUSTER FINISH PANEL ASSEMBLY (for Automatic Transaxle) [INFO](#)

6. INSTALL SHIFT LEVER KNOB SUB-ASSEMBLY (for Manual Transaxle) [INFO](#)

7. INSTALL SHIFT LEVER KNOB SUB-ASSEMBLY (for Automatic Transaxle) [INFO](#)

8. INSTALL LOWER INSTRUMENT PANEL FINISH PANEL LH [INFO](#)

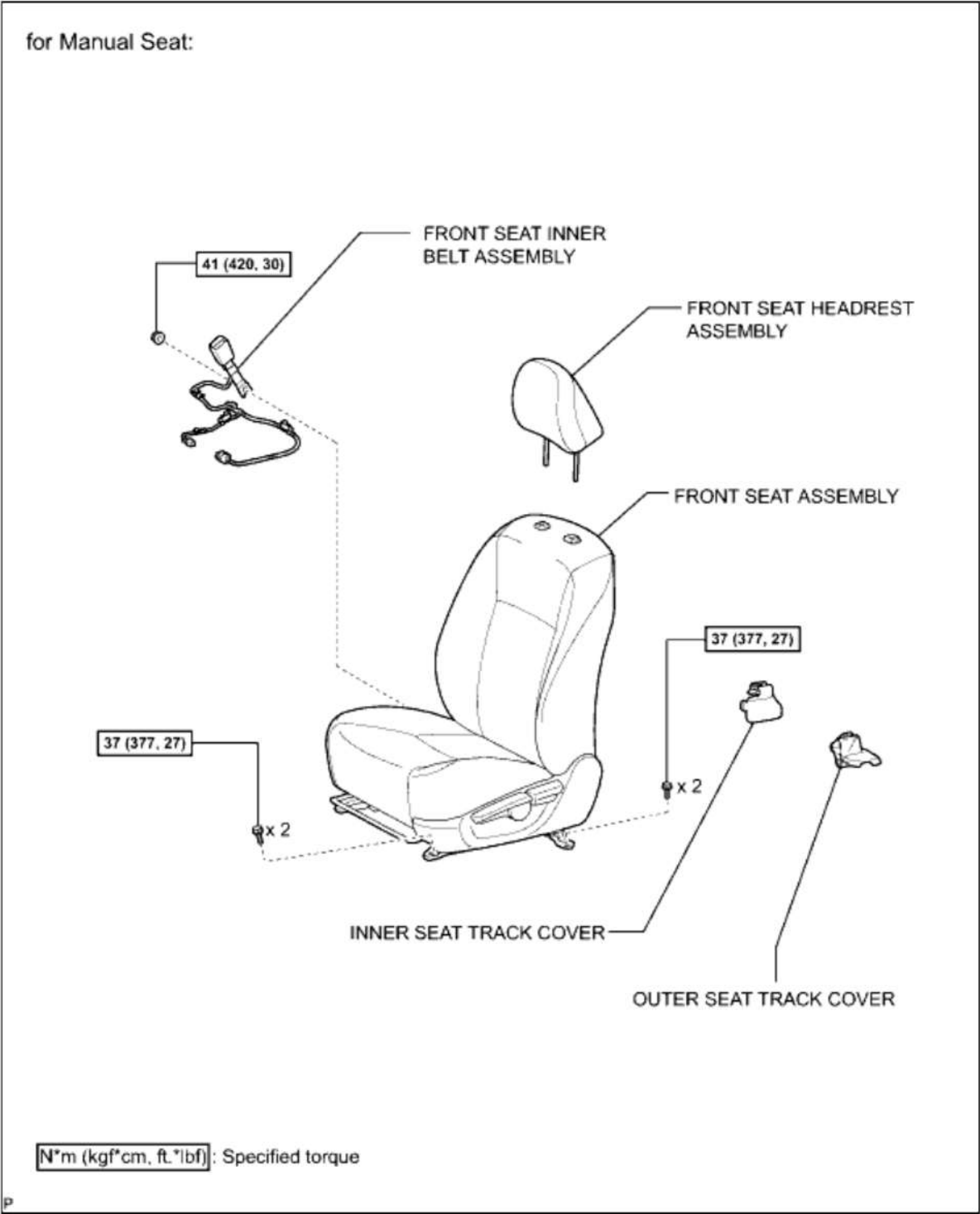
9. INSTALL LOWER INSTRUMENT PANEL FINISH PANEL RH [INFO](#)



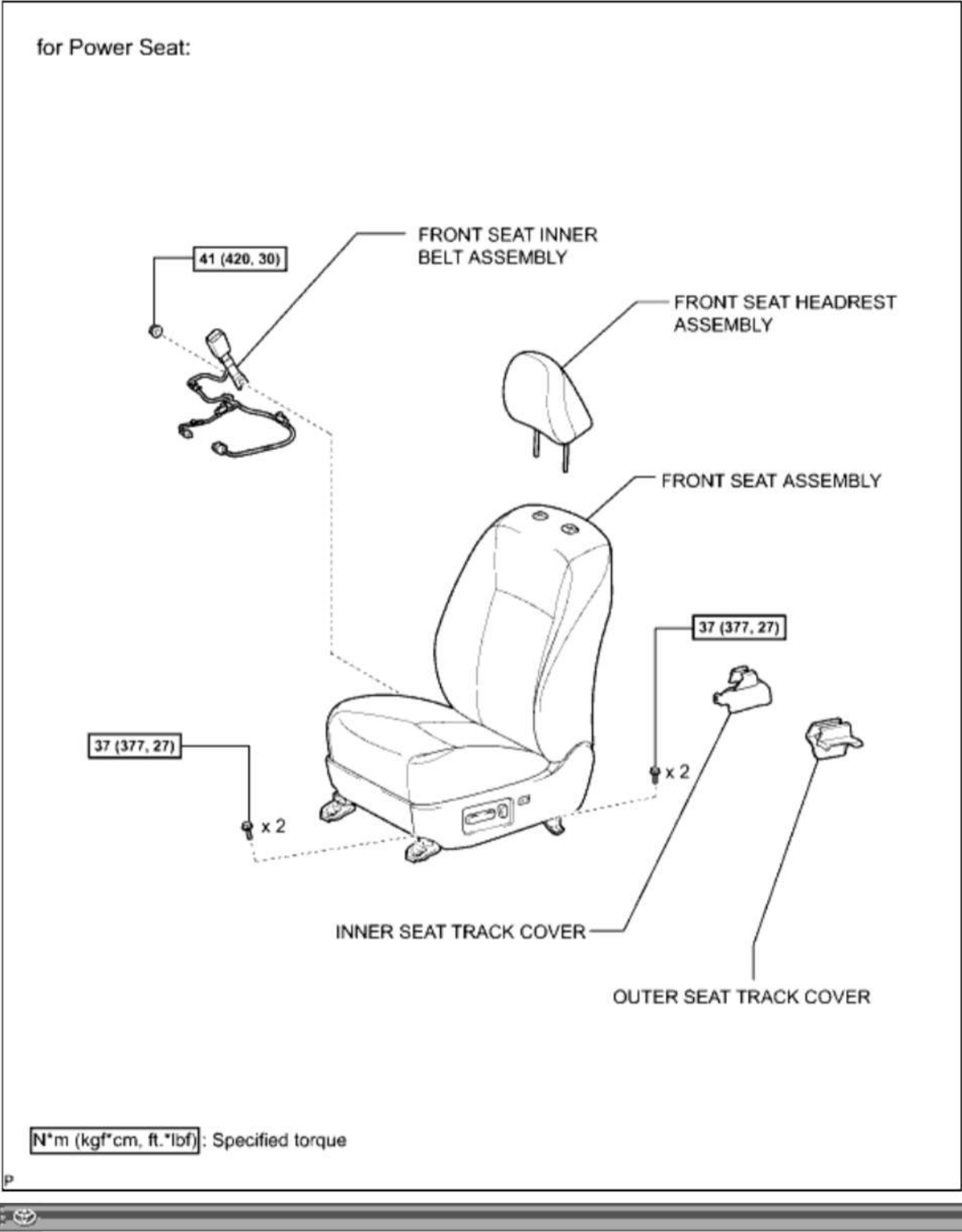
Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002102010X
Title: SEAT BELT: FRONT SEAT INNER BELT ASSEMBLY: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000122H025X
Title: SEAT BELT: FRONT SEAT INNER BELT ASSEMBLY: REMOVAL (2010 Corolla)		

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL (for Manual Seat)

CAUTION:

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

2. REMOVE FRONT SEAT HEADREST ASSEMBLY (for Manual Seat)

3. REMOVE OUTER SEAT TRACK COVER (for Manual Seat)

4. REMOVE INNER SEAT TRACK COVER (for Manual Seat)

5. REMOVE FRONT SEAT ASSEMBLY (for Manual Seat)

6. REMOVE FRONT SEAT HEADREST ASSEMBLY (for Power Seat)

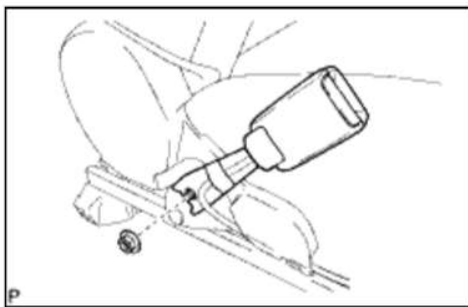
7. REMOVE OUTER SEAT TRACK COVER (for Power Seat)

8. REMOVE INNER SEAT TRACK COVER (for Power Seat)

9. REMOVE FRONT SEAT ASSEMBLY (for Power Seat)

10. REMOVE FRONT SEAT INNER BELT ASSEMBLY (for Driver Seat)

- (a) Disconnect each connector and clamp.

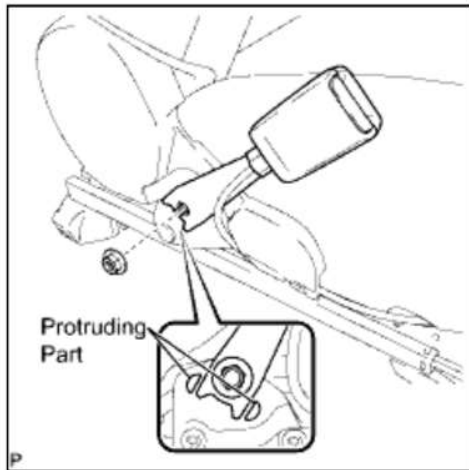


- (b) Remove the nut and the front seat inner belt assembly.

Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000122F024X
Title: SEAT BELT: FRONT SEAT INNER BELT ASSEMBLY: INSTALLATION (2010 Corolla)		

INSTALLATION

1. INSTALL FRONT SEAT INNER BELT ASSEMBLY



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

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)

NOTICE:

Do not overlap the anchor part of the seat belt and protruding part of the seat adjuster.

(b) Connect each connector and clamp.

2. INSTALL FRONT SEAT ASSEMBLY (for Manual Seat) INFO

3. INSPECT FRONT SEAT SLIDE ADJUSTER LOCK (for Manual Seat) INFO

4. INSTALL OUTER SEAT TRACK COVER (for Manual Seat) INFO

5. INSTALL INNER SEAT TRACK COVER (for Manual Seat) INFO

6. INSTALL FRONT SEAT HEADREST ASSEMBLY (for Manual Seat)

7. INSTALL FRONT SEAT ASSEMBLY (for Power Seat) INFO

8. INSTALL OUTER SEAT TRACK COVER (for Power Seat) INFO

9. INSTALL INNER SEAT TRACK COVER (for Power Seat) INFO

10. INSTALL FRONT SEAT HEADREST ASSEMBLY (for Power Seat)

11. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL (for Manual Seat)

12. INSPECT SRS WARNING LIGHT (w/ Front Seat Side Airbag)

INFO

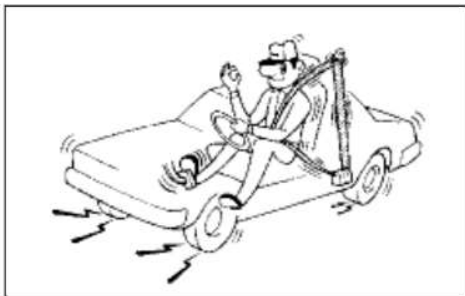
13. INSPECT FRONT SEAT ASSEMBLY (for Power Seat) INFO

Last Modified: 3-10-2010	6.4 L	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000122801WX
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY: PRECAUTION (2010 Corolla)		

PRECAUTION

CAUTION:

Replace the faulty parts of the seat belt systems (outer belt, inner belt, bolts, nuts, adjustable shoulder anchor, tether anchor hardware and other related parts). When inspecting a vehicle that was in a collision, be sure to check all of the seat belt systems regardless of whether or not the system was activated in the collision. Replace any damaged or malfunctioning systems.



1. RUNNING TEST (IN SAFE AREA)

CAUTION:

Conduct this test in a safe area.

- (a) Fasten the front seat belt.
- (b) Drive the vehicle at 16 km/h (10 mph) and firmly depress the brake pedal. Check that the belt locks and cannot be extended at this time.

If the belt does not lock, replace the seat belt assembly [INFO](#).

HINT:

Inspect the seat belt assembly before installing it [INFO](#).

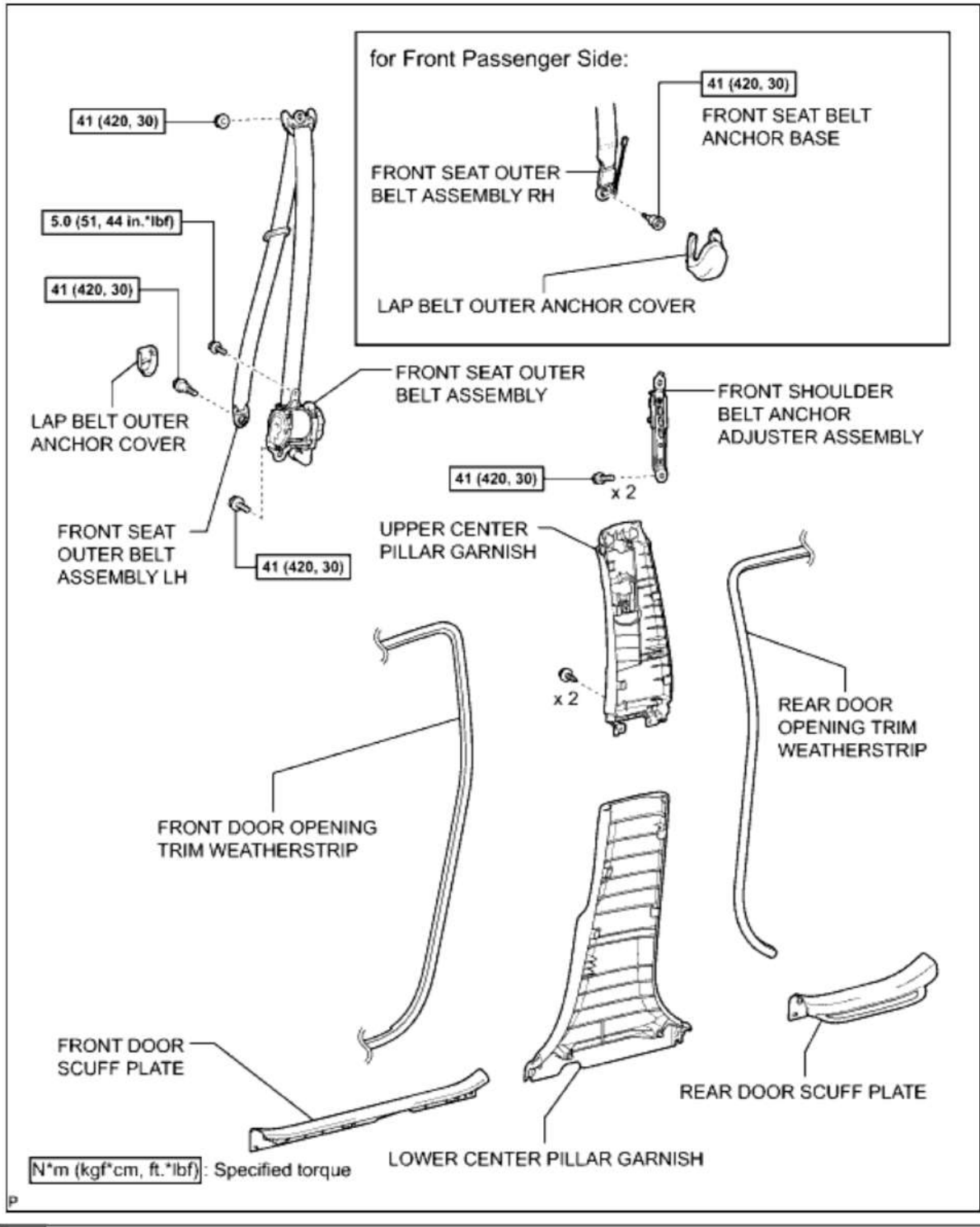


TOYOTA

Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000209Q011X
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION





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Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000120B01RX
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY: REMOVAL (2010 Corolla)		

REMOVAL

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 .

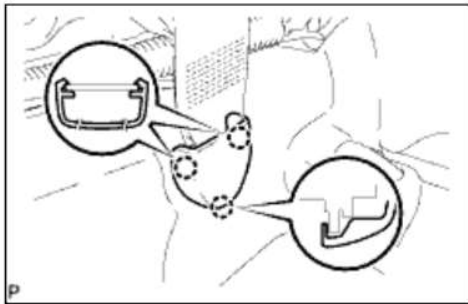
2. REMOVE FRONT DOOR SCUFF PLATE

3. REMOVE REAR DOOR SCUFF PLATE

4. DISCONNECT FRONT DOOR OPENING TRIM WEATHERSTRIP

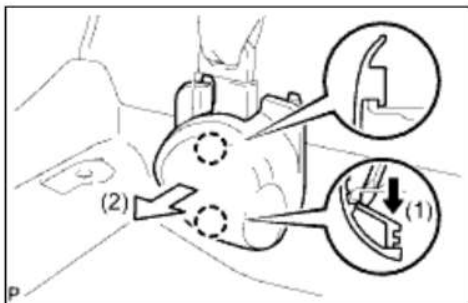
5. DISCONNECT REAR DOOR OPENING TRIM WEATHERSTRIP

6. REMOVE LAP BELT OUTER ANCHOR COVER (for Driver Side)



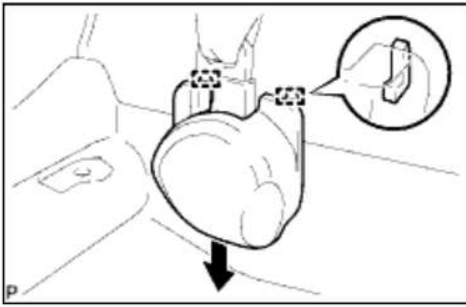
(a) Disengage the 3 claws and remove the lap belt outer anchor cover.

7. REMOVE LAP BELT OUTER ANCHOR COVER (for Front Passenger Side)

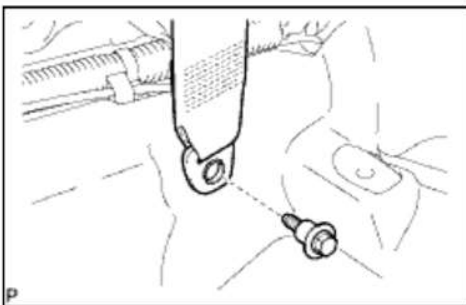


(a) Disengage the 2 claws as shown in the illustration.

(b) Disengage the 2 guides and remove the lap belt outer anchor cover.

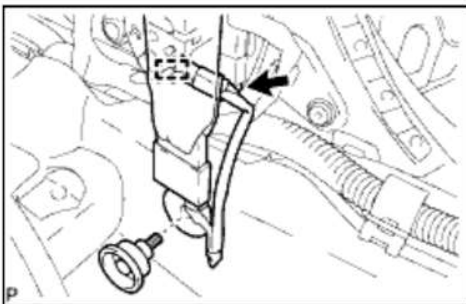


8. DISCONNECT FRONT SEAT OUTER BELT ASSEMBLY LH (for Driver Side)



- (a) Remove the bolt and disconnect the floor end of the front seat outer belt assembly LH.

9. DISCONNECT FRONT SEAT OUTER BELT ASSEMBLY RH (for Front Passenger Side)



- (a) Disconnect the connector.

- (b) Disengage the clamp.

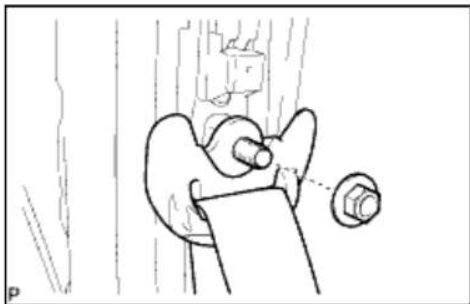
- (c) Remove the front seat belt anchor base and disconnect the floor end of the front seat outer belt assembly.

10. REMOVE LOWER CENTER PILLAR GARNISH INFO

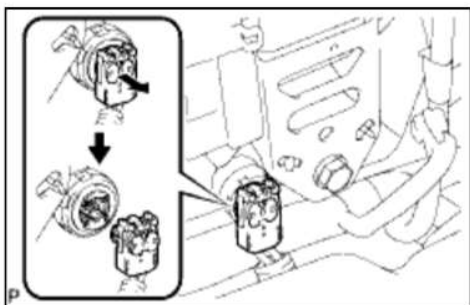
11. REMOVE UPPER CENTER PILLAR GARNISH INFO

12. REMOVE FRONT SEAT OUTER BELT ASSEMBLY

- (a) Remove the nut and disconnect the shoulder anchor of the



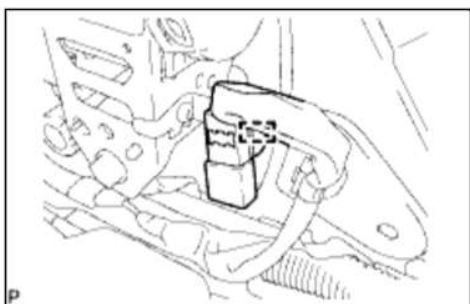
front seat outer belt assembly.



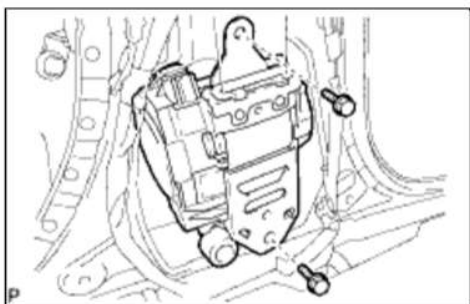
(b) Using a screwdriver, pull out the locking button in the direction shown by the arrow to release the lock, and disconnect the pretensioner connector as shown in the illustration.

HINT:

Tape the screwdriver tip before use.



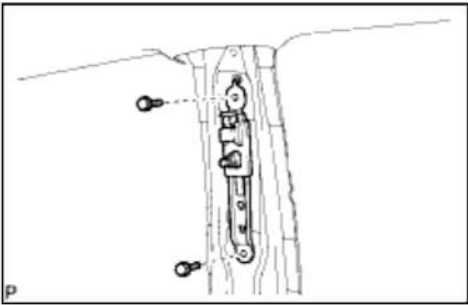
(c) for Front Passenger Side:
(1) Disengage the clamp.



(d) Remove the 2 bolts and front seat outer belt assembly.

13. REMOVE FRONT SHOULDER BELT ANCHOR ADJUSTER ASSEMBLY

(a) Remove the 2 bolts and front shoulder belt anchor adjuster



assembly.



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Last Modified: 3-10-2010	6.4 N	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000011CX02JX
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY: DISPOSAL (2010 Corolla)		

DISPOSAL

HINT:

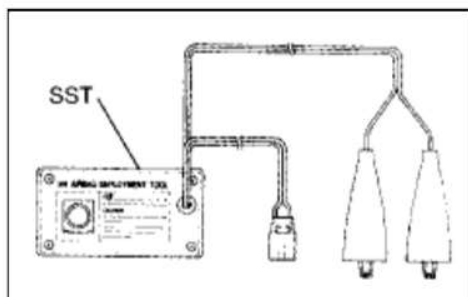
When scrapping vehicles equipped with a seat belt pretensioner or disposing of a front seat outer belt (with a seat belt pretensioner), always deploy the seat belt pretensioner first in accordance with the procedures described below. If any abnormality occurs during deployment of the seat belt pretensioner,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

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

NOTICE:

- Never dispose of a front seat outer belt assembly with a pretensioner that has not been deployed.
- The seat belt pretensioner produces an exploding sound when it deploys, so perform the operation outdoors where it will not disturb local residents.
- When deploying a front seat outer belt (with a seat belt pretensioner), perform the operation at least 10 m (33 ft.) away from the front seat outer belt.
- Use gloves and safety glasses when handling a front seat belt 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 with a deployed pretensioner.
- When deploying the seat belt pretensioner, always use the specified SST (SRS airbag deployment tool).
- Be sure to follow the procedures listed below when deploying the seat belt pretensioner.

(a) Check the function of SST.



SST: 09082-00700

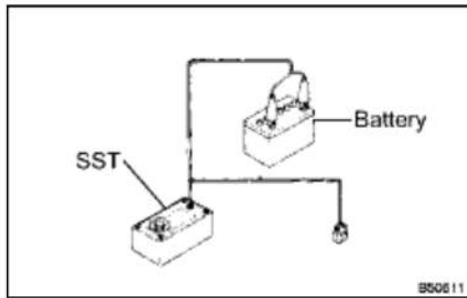
SST: 09082-00770

CAUTION:

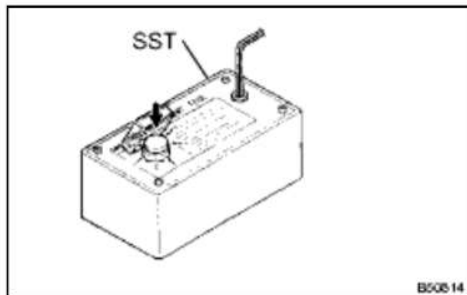
When deploying the seat belt pretensioner, always use the specified SST.

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

HINT:



At this time, do not connect the yellow connector that will later be connected to the seat belt pretensioner.

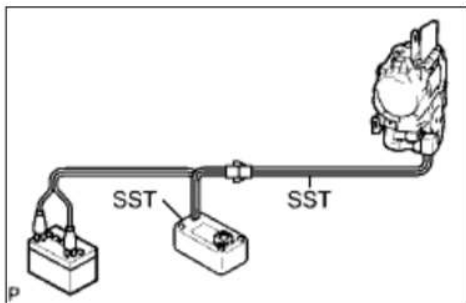


(2) Press the SST deployment switch and check that the LED of the SST deployment switch lights up.

CAUTION:

If the LED is lit when the deployment switch is not pressed, SST may be malfunctioning. Therefore, do not use SST.

(b) Connect SST.



(1) Connect SST, and then connect them to the front seat outer belt pretensioner.

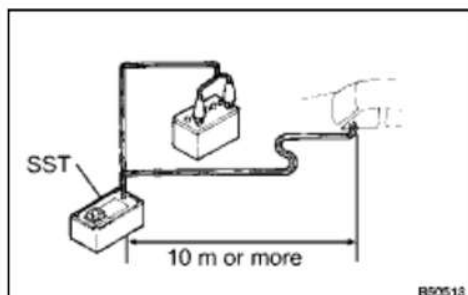
SST: 09082-00700

SST: 09082-00770

NOTICE:

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

(2) Move SST at least 10 m (33 ft.) away from the front of the vehicle.



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

NOTICE:

Do not damage the SST wire harness.

(c) Deploy the front seat outer belt pretensioner.

- (1) Confirm that no one is inside the vehicle or within a 10 m (33 ft.) radius of the vehicle.
- (2) Connect the red clip of SST to the battery positive (+) terminal and the black clip to the negative (-) terminal.
- (3) Press the SST deployment switch to deploy the front seat outer belt pretensioner.

HINT:

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

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

- (1) Remove the front seat outer belt assembly 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.

CAUTION:

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



HINT:

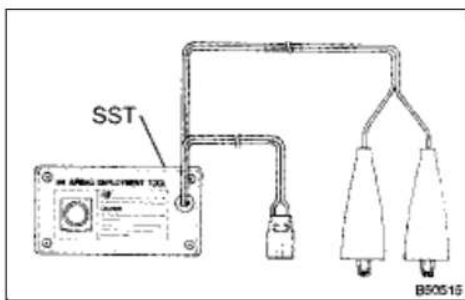
When scrapping a vehicle, deploy the front seat outer belt pretensioners, and then scrap the vehicle with the deployed outer belt installed.

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

NOTICE:

- Never dispose of a front seat outer belt assembly with a pretensioner that has not been deployed.
- The seat belt pretensioner produces an exploding sound when it deploys, so perform the operation outdoors where it will not disturb local residents.
- When deploying a front seat outer belt (with a seat belt pretensioner), perform the operation at least 10 m (33 ft.) away from the front seat outer belt.
- Use gloves and safety glasses when handling a front seat belt 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 with a deployed pretensioner.
- When disposing of a pretensioner equipped front seat outer belt, never deploy the belt in the customer's vehicle.
- Be sure to follow the procedure listed below when deploying the seat belt pretensioner.

(a) Check the function of SST.

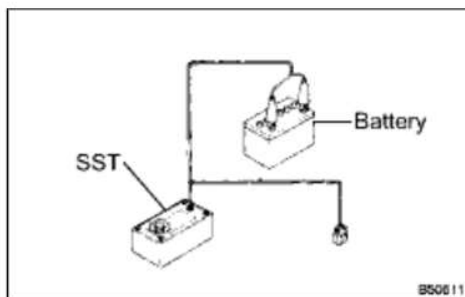


SST: 09082-00700

SST: 09082-00770

CAUTION:

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



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

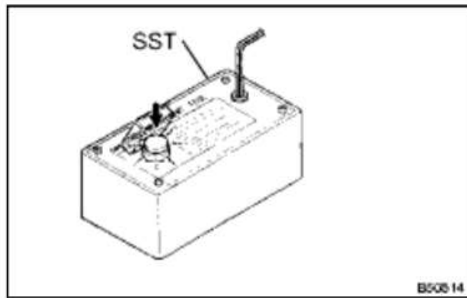
HINT:

At this time, do not connect the yellow connector that will later be connected to the seat belt pretensioner.

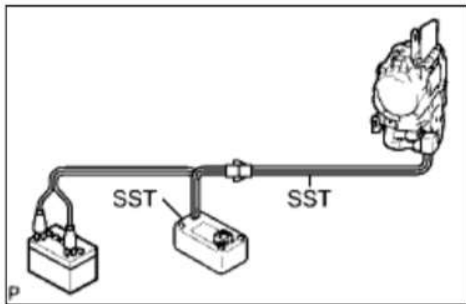
- (2) Press the SST deployment switch and check that the LED of the SST deployment switch lights up.

CAUTION:

If the LED is lit when the deployment switch is not pressed, SST may be malfunctioning. Therefore, do not use SST.



(b) Connect SST.



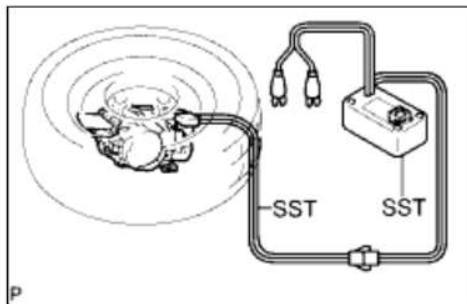
(1) Connect SST, and then connect them to the front seat outer belt pretensioner.

SST: 09082-00700

SST: 09082-00770

NOTICE:

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



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

NOTICE:

Position the front seat outer belt assembly as shown in the illustration.

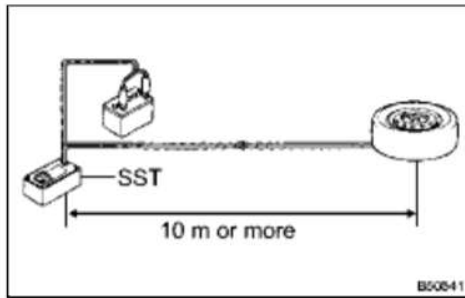
(3) Position and hold SST at least 10 m (33 ft.) away from the wheel.

NOTICE:

Do not damage the SST wire harness.

(c) Deploy the front seat outer belt pretensioner.

(1) Check that no one is within a 10 m (33 ft.) radius of the wheel.



- (2) Connect the red clip of SST to the battery positive (+) terminal and the black clip to the battery negative (-) terminal.
- (3) Press the SST deployment switch to deploy the front seat outer belt pretensioner.

HINT:

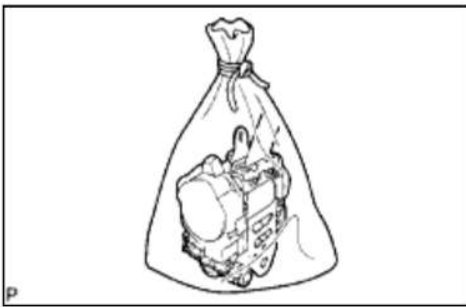
The seat belt pretensioner will deploy at the same time as the LED of SST illuminates.

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

- (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.

CAUTION:

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



HINT:

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

Last Modified: 3-10-2010	6.4 G	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000129201UX
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY: INSPECTION (2010 Corolla)		

INSPECTION

1. INSPECT FRONT SEAT OUTER BELT ASSEMBLY

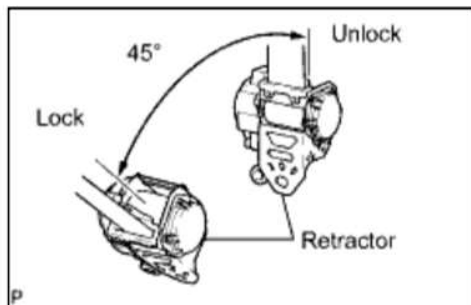
NOTICE:

Do not disassemble the retractor.

(a) Before installing the outer belt, check the ELR.

- (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.

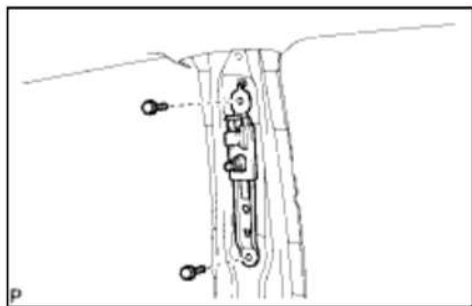
If the result is not as specified, replace the outer belt assembly.



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000120901TX
Title: SEAT BELT: FRONT SEAT OUTER BELT ASSEMBLY: INSTALLATION (2010 Corolla)		

INSTALLATION

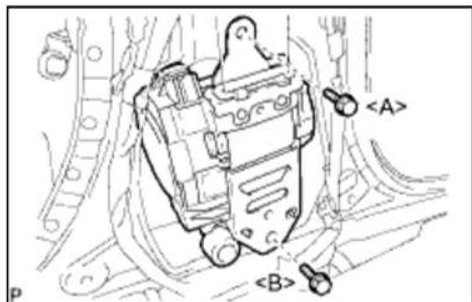
1. INSTALL FRONT SHOULDER BELT ANCHOR ADJUSTER ASSEMBLY



- (a) Engage the adjuster positioning hole with the claw and install the front shoulder belt anchor adjuster assembly with the 2 bolts.

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)

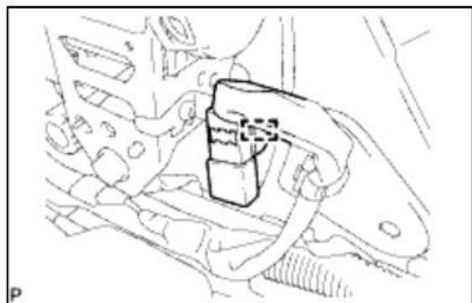
2. INSTALL FRONT SEAT OUTER BELT ASSEMBLY



- (a) Install the front seat outer belt assembly with the 2 bolts.

Bolt A - Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)

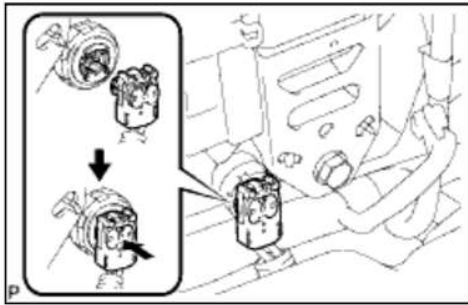
Bolt B - Torque: 41 N·m (420 kgf·cm, 30ft·lbf)



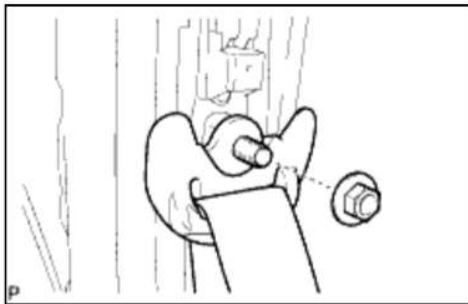
- (b) for Front Passenger Side:

- (1) Engage the clamp.

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

**NOTICE:**

Securely lock the locking button.



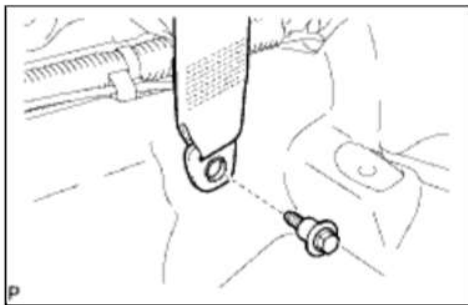
- (d) Connect the shoulder anchor of the front seat outer belt assembly with the nut.

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)

3. INSTALL UPPER CENTER PILLAR GARNISH INFO

4. INSTALL LOWER CENTER PILLAR GARNISH INFO

5. CONNECT FRONT SEAT OUTER BELT ASSEMBLY LH (for Driver Side)



- (a) Install the floor end of the front seat outer belt assembly with the bolt.

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)

- (b) Check if the ELR locks.

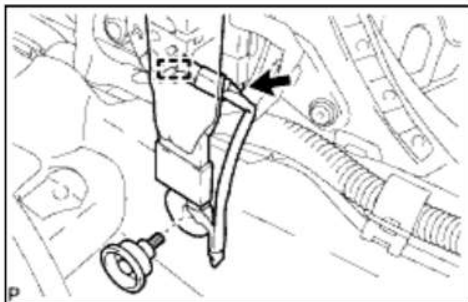
NOTICE:

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

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

6. CONNECT FRONT SEAT OUTER BELT ASSEMBLY RH (for Front Passenger Side)

- (a) Install the floor end of the front seat outer belt assembly with the front seat belt anchor base.



Torque: 41 N·m (420 kgf·cm, 30ft·lbf)

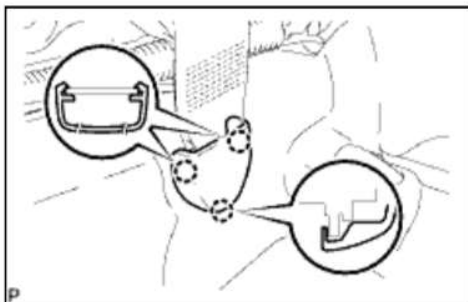
- (b) Engage the clamp.
- (c) Connect the connector.
- (d) Check if the ELR locks.

NOTICE:

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

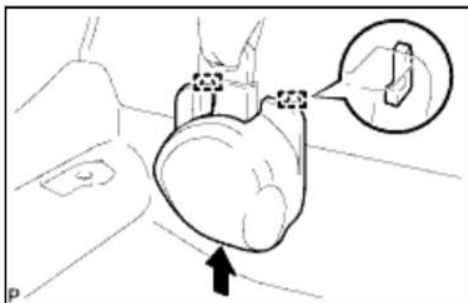
- (1) With the belt assembly installed, check that the belt locks when it is pulled out quickly.

7. INSTALL LAP BELT OUTER ANCHOR COVER (for Driver Side)



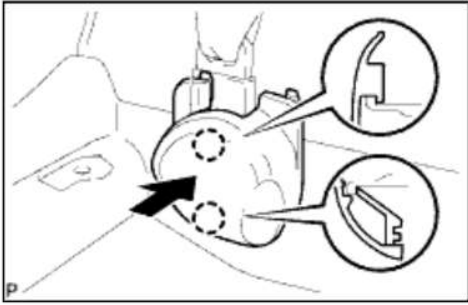
- (a) Engage the 3 claws and install the lap belt outer anchor cover.

8. INSTALL LAP BELT OUTER ANCHOR COVER (for Front Passenger Side)



- (a) Engage the 2 guides.

- (b) Engage the 2 claws and install the lap belt outer anchor cover.



9. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP INFO

10. INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP INFO

11. INSTALL REAR DOOR SCUFF PLATE INFO

12. INSTALL FRONT DOOR SCUFF PLATE INFO

13. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

14. INSPECT SRS WARNING LIGHT

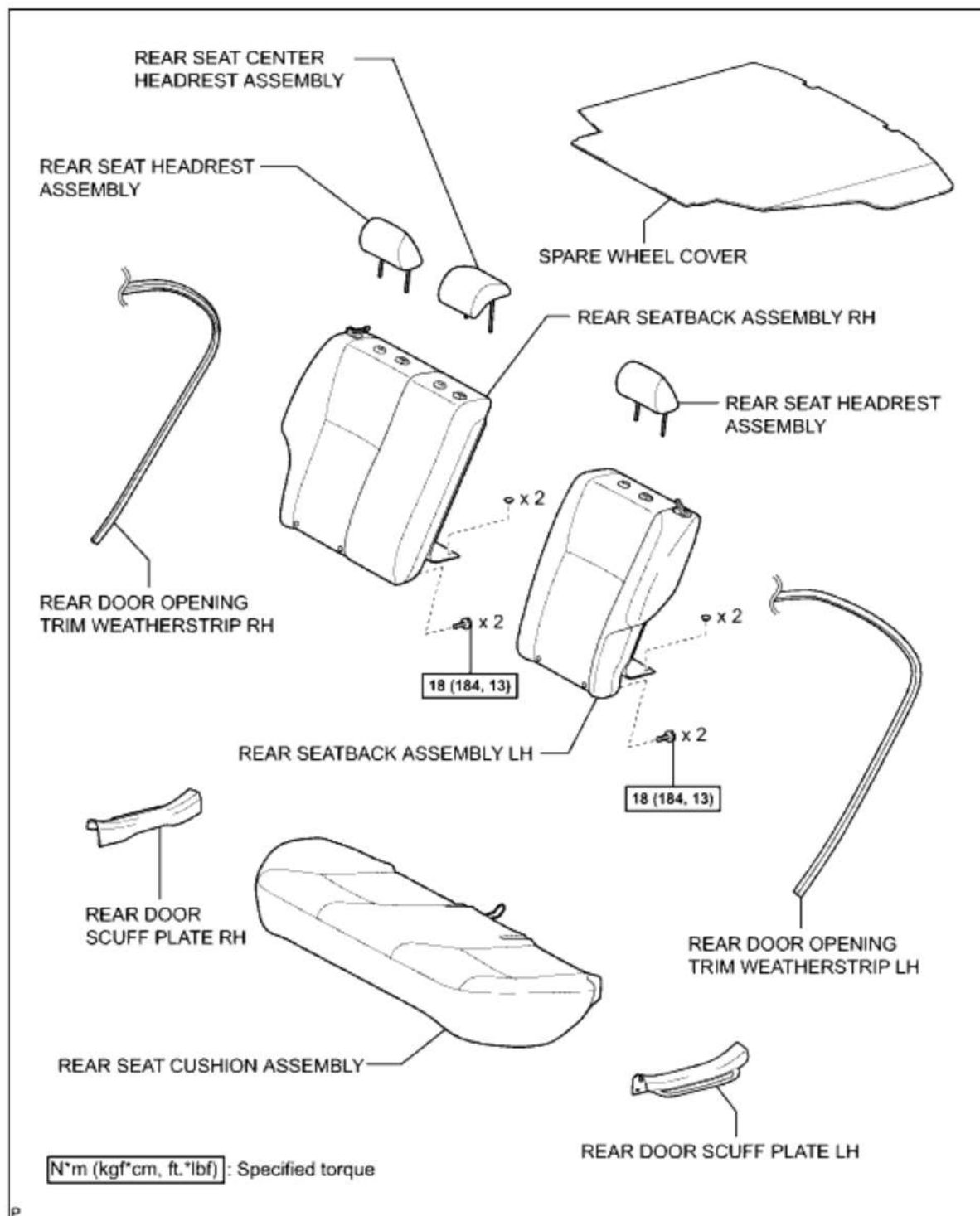
INFO



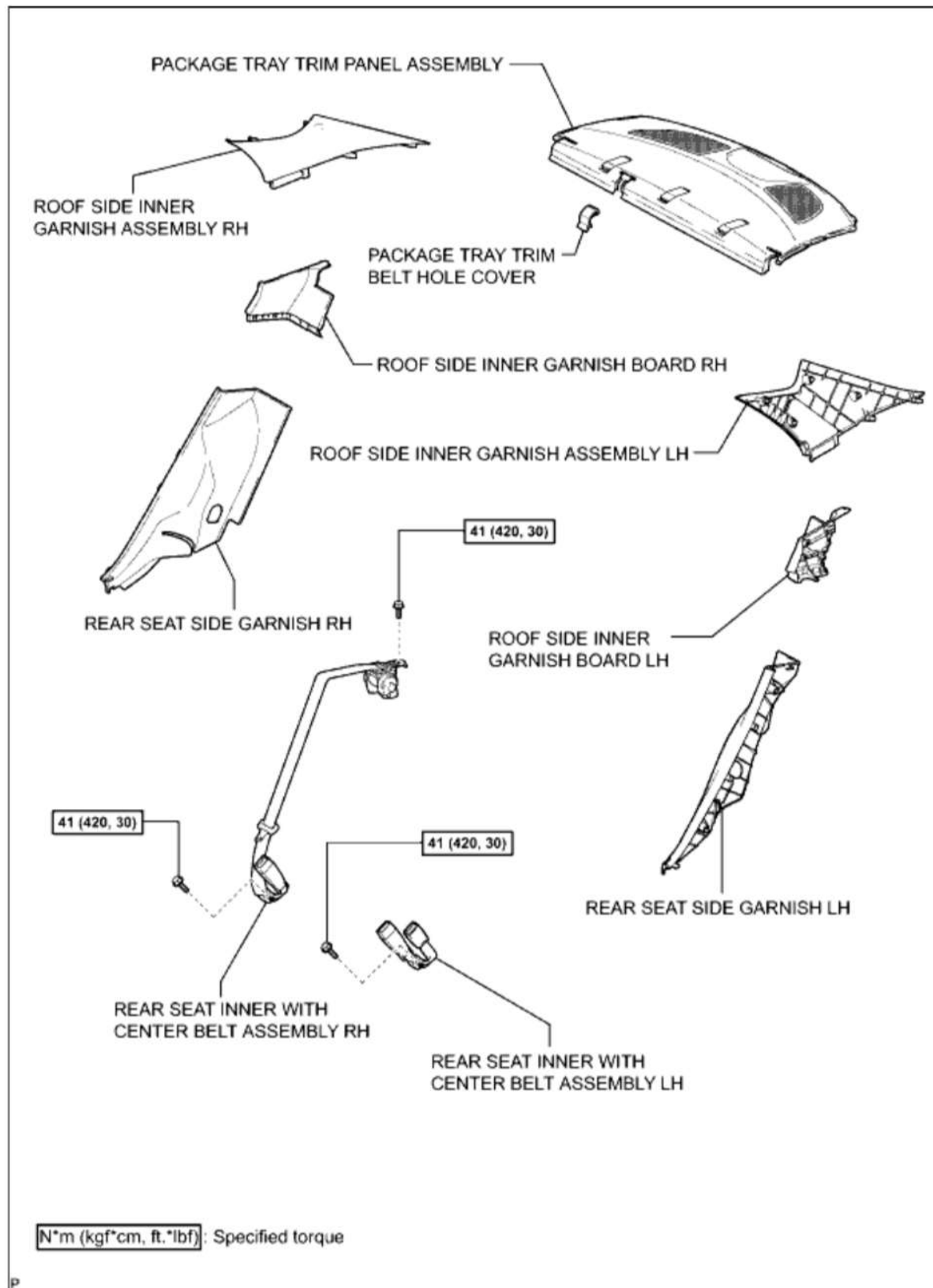
Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFU00JX
Title: SEAT BELT: REAR SEAT INNER BELT ASSEMBLY: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION



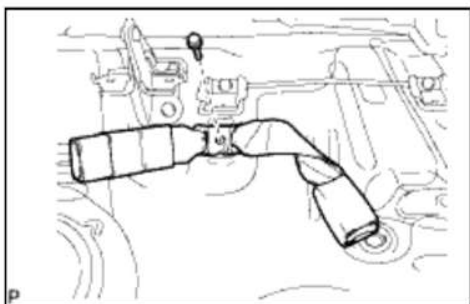
ILLUSTRATION



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFV00LX
Title: SEAT BELT: REAR SEAT INNER BELT ASSEMBLY: REMOVAL (2010 Corolla)		

REMOVAL

1. REMOVE SPARE WHEEL COVER
2. REMOVE REAR SEAT HEADREST ASSEMBLY
3. REMOVE REAR SEAT CENTER HEADREST ASSEMBLY
4. REMOVE REAR SEAT CUSHION ASSEMBLY
5. REMOVE REAR SEAT INNER WITH CENTER BELT ASSEMBLY LH



(a) Remove the bolt and the rear seat inner with center belt assembly LH.

6. REMOVE REAR SEATBACK ASSEMBLY LH
7. REMOVE REAR SEATBACK ASSEMBLY RH
8. REMOVE REAR DOOR SCUFF PLATE LH
9. DISCONNECT REAR DOOR OPENING TRIM WEATHERSTRIP LH
10. REMOVE REAR SEAT SIDE GARNISH LH
11. REMOVE ROOF SIDE INNER GARNISH BOARD LH
12. REMOVE ROOF SIDE INNER GARNISH ASSEMBLY LH
13. REMOVE REAR DOOR SCUFF PLATE RH

HINT:

Use the same procedure for the RH side and the LH side.

14. DISCONNECT REAR DOOR OPENING TRIM WEATHERSTRIP RH
15. REMOVE REAR SEAT SIDE GARNISH RH

HINT:

Use the same procedure for the RH side and the LH side.

16. REMOVE ROOF SIDE INNER GARNISH BOARD RH

HINT:

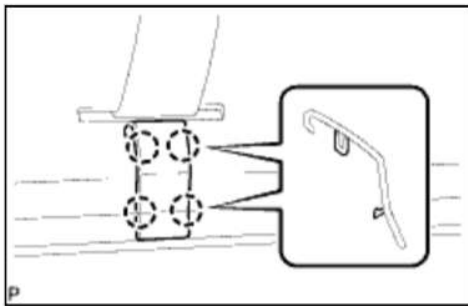
Use the same procedure for the RH side and the LH side.

17. REMOVE ROOF SIDE INNER GARNISH ASSEMBLY RH

HINT:

Use the same procedure for the RH side and the LH side.

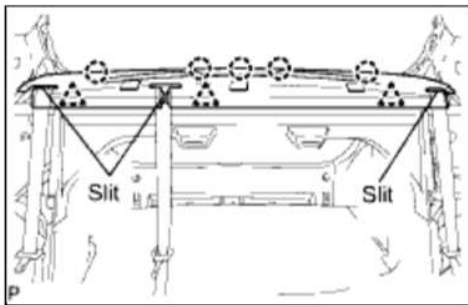
18. REMOVE PACKAGE TRAY TRIM BELT HOLE COVER



(a) Disengage the 4 claws and remove the package tray trim belt hole cover.

19. REMOVE PACKAGE TRAY TRIM PANEL ASSEMBLY (w/o Rear Spoiler)

(a) Disconnect the connector.

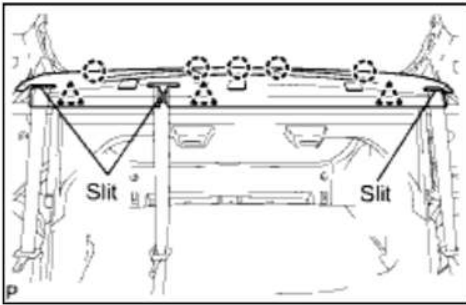


(b) Disengage the 3 clips and the 5 claws.

(c) Pull out the belts from the slits and then remove the package tray trim panel assembly.

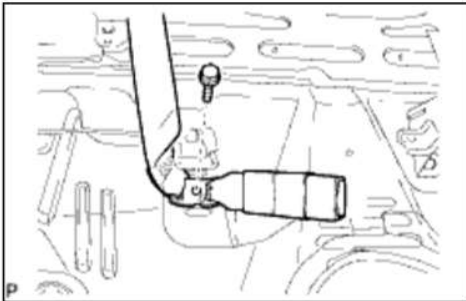
20. REMOVE PACKAGE TRAY TRIM PANEL ASSEMBLY (w/ Rear Spoiler)

(a) Disengage the 3 clips and the 5 claws.

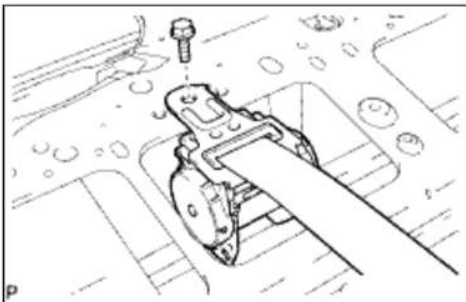


(b) Pull out the belts from the slits and then remove the package tray trim panel assembly.

21. REMOVE REAR SEAT INNER WITH CENTER BELT ASSEMBLY RH



(a) Remove the bolt and disconnect the floor end of the rear seat inner with center belt assembly RH.

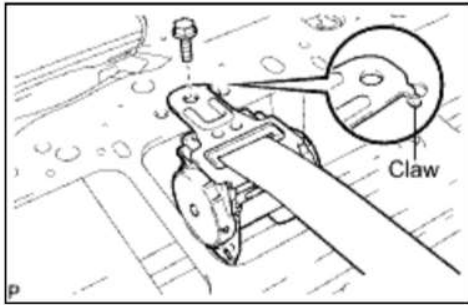


(b) Remove the bolt and the rear seat inner with center belt assembly RH.

Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFT00LX
Title: SEAT BELT: REAR SEAT INNER BELT ASSEMBLY: INSTALLATION (2010 Corolla)		

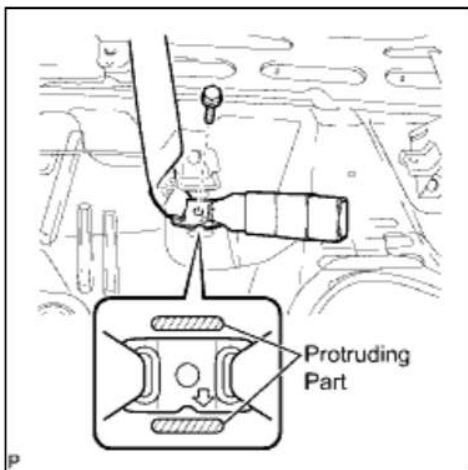
INSTALLATION

1. INSTALL REAR SEAT INNER WITH CENTER BELT ASSEMBLY RH



- (a) Align the claw with the seat belt positioning hole and install the rear seat inner with center belt assembly RH with the bolt.

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)



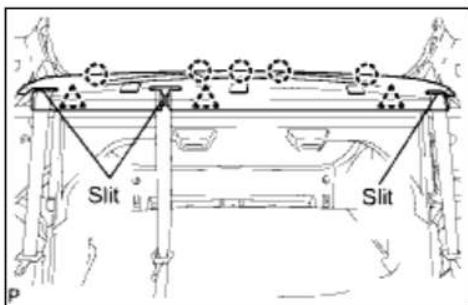
- (b) Install the floor end of the rear seat inner with center belt assembly RH with the bolt.

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)

NOTICE:

Do not allow the anchor part of the rear seat inner with center belt assembly RH to overlap the protruding parts of the floor panel.

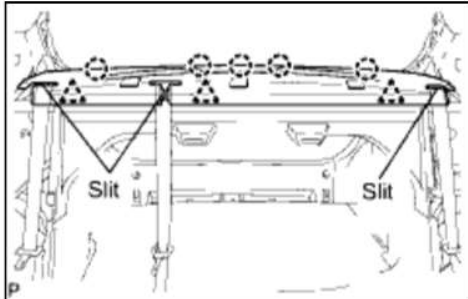
2. INSTALL PACKAGE TRAY TRIM PANEL ASSEMBLY (w/o Rear Spoiler)



- (a) Put the 3 belts through the slits.

- (b) Engage the 3 clips and 5 claws, and install the package tray trim panel assembly.
- (c) Connect the connector.

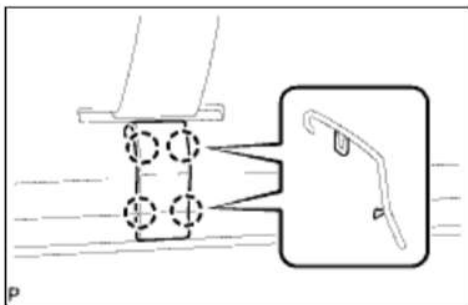
3. INSTALL PACKAGE TRAY TRIM PANEL ASSEMBLY (w/ Rear Spoiler)



- (a) Put the 3 belts through the slits.

- (b) Engage the 3 clips and 5 claws, and install the package tray trim panel assembly.

4. INSTALL PACKAGE TRAY TRIM BELT HOLE COVER



- (a) Engage the 4 claws and install the package tray trim belt hole cover.

5. INSTALL ROOF SIDE INNER GARNISH ASSEMBLY LH INFO

6. INSTALL ROOF SIDE INNER GARNISH BOARD LH INFO

7. INSTALL REAR SEAT SIDE GARNISH LH INFO

8. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP LH INFO

9. INSTALL REAR DOOR SCUFF PLATE LH INFO

10. INSTALL ROOF SIDE INNER GARNISH ASSEMBLY RH

HINT:

Use the same procedure for the RH side and the LH side.

11. INSTALL ROOF SIDE INNER GARNISH BOARD RH

HINT:

Use the same procedure for the RH side and the LH side.

12. INSTALL REAR SEAT SIDE GARNISH RH**HINT:**

Use the same procedure for the RH side and the LH side.

13. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP RH

INFO

14. INSTALL REAR DOOR SCUFF PLATE RH**HINT:**

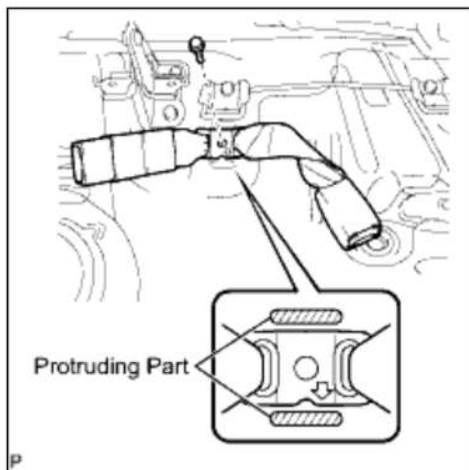
Use the same procedure for the RH side and the LH side.

15. INSTALL REAR SEATBACK ASSEMBLY LH

INFO

16. INSTALL REAR SEATBACK ASSEMBLY RH

INFO

17. INSTALL REAR SEAT INNER WITH CENTER BELT ASSEMBLY LH

(a) Install the rear seat inner with center belt assembly LH with the bolt.

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)

NOTICE:

Do not allow the anchor part of the rear seat inner with center belt assembly LH to overlap the protruding parts of the floor panel.

18. INSTALL REAR SEAT CUSHION ASSEMBLY

INFO

19. INSTALL REAR SEAT CENTER HEADREST ASSEMBLY**20. INSTALL REAR SEAT HEADREST ASSEMBLY****21. INSTALL SPARE WHEEL COVER**

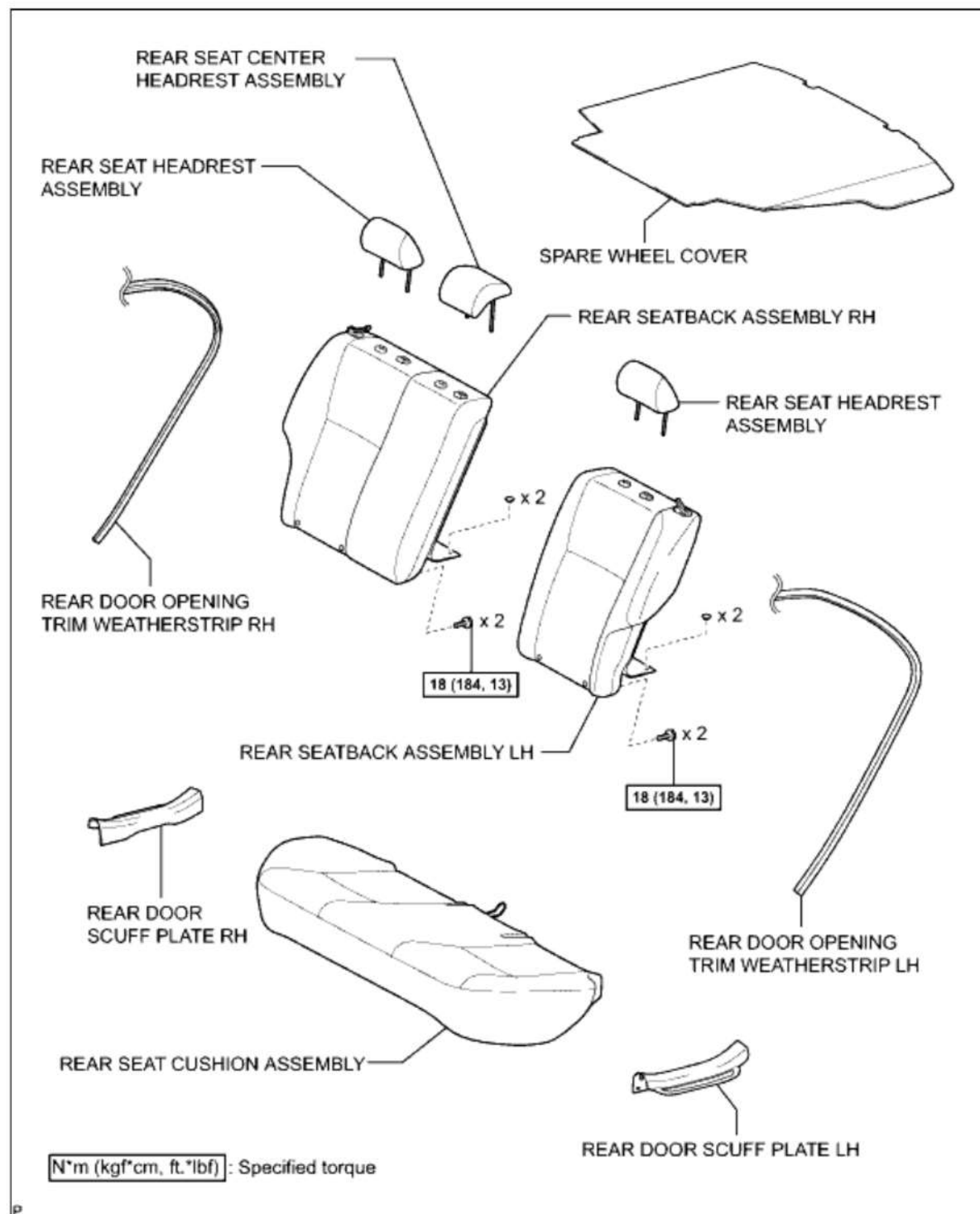
INFO



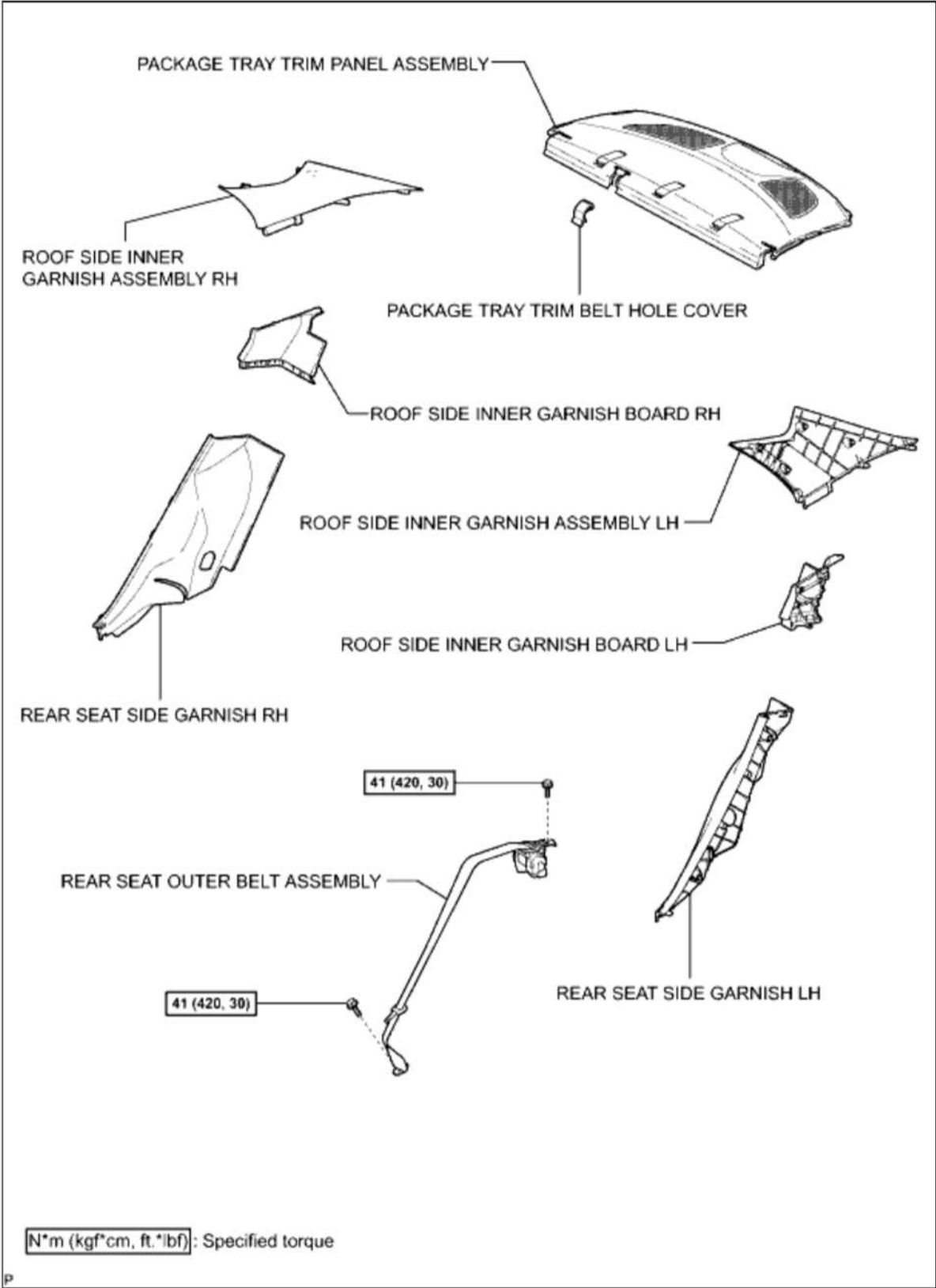
Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFX00EX
Title: SEAT BELT: REAR SEAT OUTER BELT ASSEMBLY: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



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Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFY00GX
Title: SEAT BELT: REAR SEAT OUTER BELT ASSEMBLY: REMOVAL (2010 Corolla)		

REMOVAL

1. REMOVE SPARE WHEEL COVER 
2. REMOVE REAR SEAT HEADREST ASSEMBLY
3. REMOVE REAR SEAT CENTER HEADREST ASSEMBLY
4. REMOVE REAR SEAT CUSHION ASSEMBLY 
5. REMOVE REAR SEATBACK ASSEMBLY LH 
6. REMOVE REAR SEATBACK ASSEMBLY RH 
7. REMOVE REAR DOOR SCUFF PLATE LH 
8. DISCONNECT REAR DOOR OPENING TRIM WEATHERSTRIP LH
9. REMOVE REAR SEAT SIDE GARNISH LH 
10. REMOVE ROOF SIDE INNER GARNISH BOARD LH 
11. REMOVE ROOF SIDE INNER GARNISH ASSEMBLY LH 
12. REMOVE REAR DOOR SCUFF PLATE RH

HINT:

Use the same procedure for the RH side and the LH side.

13. DISCONNECT REAR DOOR OPENING TRIM WEATHERSTRIP RH
14. REMOVE REAR SEAT SIDE GARNISH RH

HINT:

Use the same procedure for the RH side and the LH side.

15. REMOVE ROOF SIDE INNER GARNISH BOARD RH

HINT:

Use the same procedure for the RH side and the LH side.

16. REMOVE ROOF SIDE INNER GARNISH ASSEMBLY RH

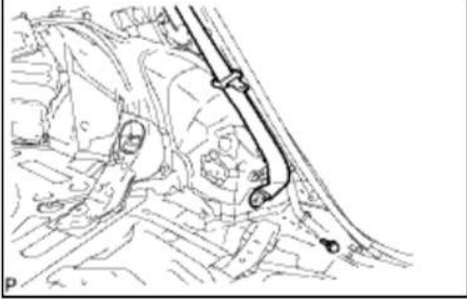
HINT:

Use the same procedure for the RH side and the LH side.

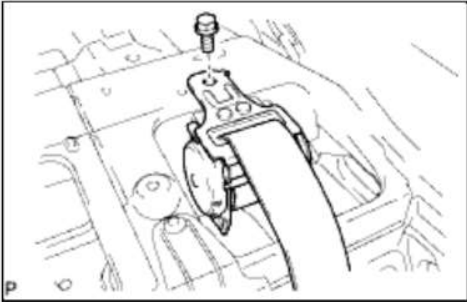
17. REMOVE PACKAGE TRAY TRIM BELT HOLE COVER 
18. REMOVE PACKAGE TRAY TRIM PANEL ASSEMBLY (w/o Rear Spoiler) 

19. REMOVE PACKAGE TRAY TRIM PANEL ASSEMBLY (w/ Rear Spoiler)

INFO

20. REMOVE REAR SEAT OUTER BELT ASSEMBLY

- (a) Remove the bolt and disconnect the floor end of the rear seat outer belt assembly.



- (b) Remove the bolt and the rear seat outer belt assembly.

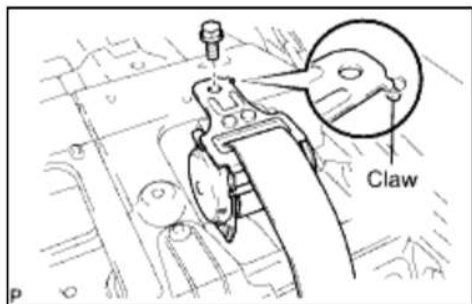


TOYOTA

Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002XFW00GX
Title: SEAT BELT: REAR SEAT OUTER BELT ASSEMBLY: INSTALLATION (2010 Corolla)		

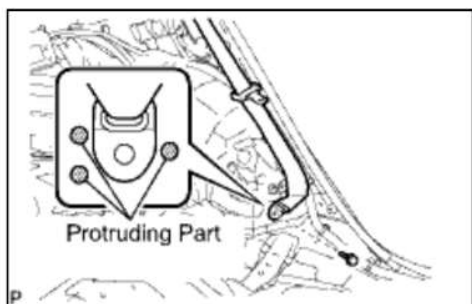
INSTALLATION

1. INSTALL REAR SEAT OUTER BELT ASSEMBLY



- (a) Align the claw with the seat belt positioning hole and install the rear seat outer belt assembly with the bolt.

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)



- (b) Install the floor end of the rear seat outer belt assembly with the bolt.

Torque: 41 N·m (420 kgf·cm, 30ft·lbf)

NOTICE:

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

2. INSTALL PACKAGE TRAY TRIM PANEL ASSEMBLY (w/o Rear Spoiler) INFO

3. INSTALL PACKAGE TRAY TRIM PANEL ASSEMBLY (w/ Rear Spoiler) INFO

4. INSTALL PACKAGE TRAY TRIM BELT HOLE COVER INFO

5. INSTALL ROOF SIDE INNER GARNISH ASSEMBLY LH INFO

6. INSTALL ROOF SIDE INNER GARNISH BOARD LH INFO

7. INSTALL REAR SEAT SIDE GARNISH LH INFO

8. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP LH INFO

9. INSTALL REAR DOOR SCUFF PLATE LH INFO

10. INSTALL ROOF SIDE INNER GARNISH ASSEMBLY RH

HINT:

Use the same procedure for the RH side and the LH side.

11. INSTALL ROOF SIDE INNER GARNISH BOARD RH

HINT:

Use the same procedure for the RH side and the LH side.

12. INSTALL REAR SEAT SIDE GARNISH RH

HINT:

Use the same procedure for the RH side and the LH side.

13. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP RH



14. INSTALL REAR DOOR SCUFF PLATE RH

HINT:

Use the same procedure for the RH side and the LH side.

15. INSTALL REAR SEATBACK ASSEMBLY LH



16. INSTALL REAR SEATBACK ASSEMBLY RH



17. INSTALL REAR SEAT CUSHION ASSEMBLY



18. INSTALL REAR SEAT CENTER HEADREST ASSEMBLY

19. INSTALL REAR SEAT HEADREST ASSEMBLY

20. INSTALL SPARE WHEEL COVER



Last Modified: 3-10-2010	6.4 L	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000003INP001X
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: PRECAUTION (2010 Corolla)		

PRECAUTION

1. EXPRESSIONS OF IGNITION SWITCH

- (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.

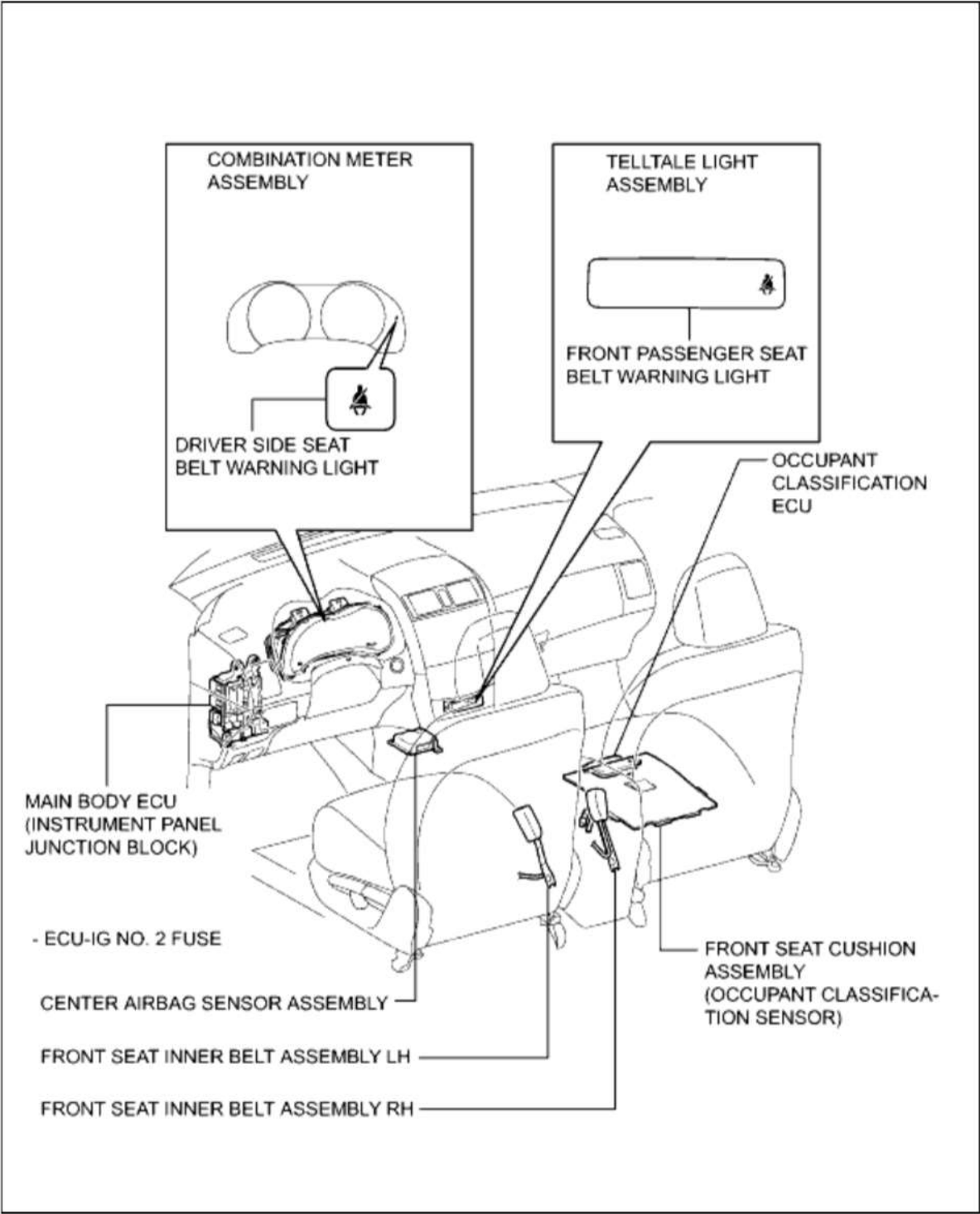
EXPRESSION	SWITCH TYPE	
	IGNITION SWITCH (POSITION)	ENGINE SWITCH (CONDITION)
Ignition Switch off	LOCK	Off
Ignition Switch ON	ON	On (IG)
Ignition Switch ACC	ACC	On (ACC)
Engine Start	START	Start



Last Modified: 3-10-2010	6.4 R	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000148X02DX
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: PARTS LOCATION (2010 Corolla)		

PARTS LOCATION

ILLUSTRATION

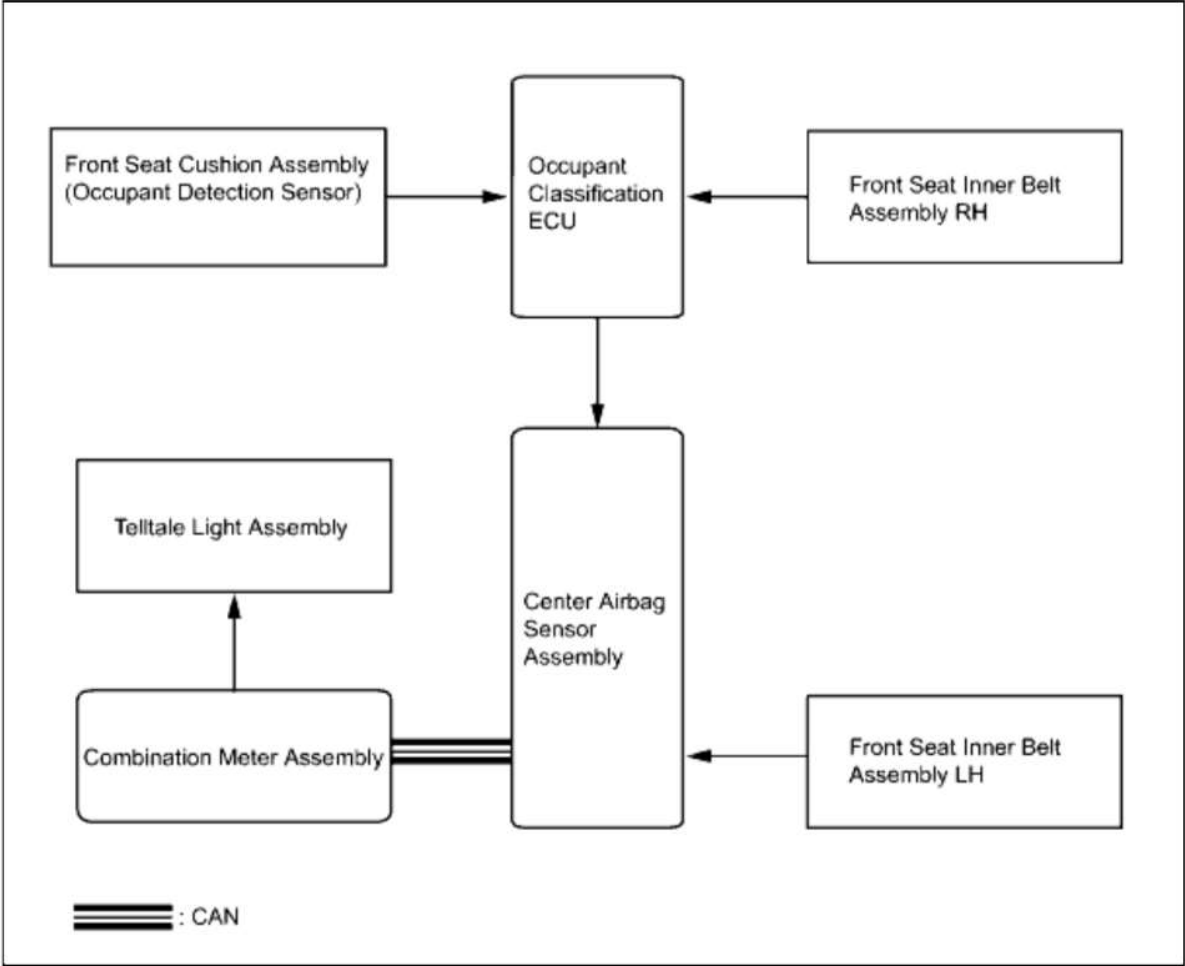




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Last Modified: 3-10-2010	6.4 U	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001OC702FX
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: SYSTEM DIAGRAM (2010 Corolla)		

SYSTEM DIAGRAM



Last Modified: 3-10-2010	6.4 D	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001OKO02JX
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: SYSTEM DESCRIPTION (2010 Corolla)		

SYSTEM DESCRIPTION

1. DRIVER SEAT BELT WARNING LIGHT

- (a) When the driver seat belt is not fastened with the ignition switch ON, the driver seat belt warning light on the combination meter assembly comes on to inform the driver. The center airbag assembly detects the driver seat belt condition and sends signals to the body ECU and the meter assembly via CAN communication.

2. PASSENGER SEAT BELT WARNING

- (a) When the passenger seat belt is not fastened with ignition switch ON and the passenger seat occupied, check that the passenger seat belt warning light on telltale light blinks. The occupant detection sensor detects if the passenger seat is occupied and sends signals to the combination meter assembly. The inner belt detects the passenger seat belt condition and sends signals to the combination meter assembly. After receiving the signals from the occupant detection sensor and inner belt, the meter assembly sends signals to telltale light to request the passenger seat belt warning light to blink or go off.



Last Modified: 3-10-2010	6.4 D	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000Y5I041X
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: HOW TO PROCEED WITH TROUBLESHOOTING (2010 Corolla)		

HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

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

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

NEXT



2.	INSPECT 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



3.	CHECK 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
▼

4.	PROBLEM SYMPTOMS TABLE
-----------	-------------------------------

HINT:  .

NEXT
▼

5.	OVERALL ANALYSIS AND TROUBLESHOOTING*
-----------	--

- (a) Data List / Active Test  .
- (b) Terminals of ECU  .
- (c) On-vehicle Inspection  .

NEXT
▼

6.	REPAIR OR REPLACE
-----------	--------------------------

NEXT
▼

7.	CONFIRMATION TEST
-----------	--------------------------

NEXT ► END



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Last Modified: 3-10-2010	6.4 D	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000003JA700AX
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: CUSTOMIZE PARAMETERS (2010 Corolla)		

CUSTOMIZE PARAMETERS

1. COMBINATION METER

NOTICE:

- Be sure to record the current value before customizing.
- These buzzers should be on for safe driving. Perform these procedures only if it is necessary to set the buzzer off (disabled).

HINT:

The following items can be customized using the Techstream.

Combination Meter

TESTER DISPLAY	DEFAULT	CONTENT	SETTING
Driver Side Seatbelt Warning Buzzer*	On	Function to change the seat belt warning buzzer.	On, Off
Front Passenger Side Seatbelt Warning Buzzer*	On	Function to change the seat belt warning buzzer.	On, Off

HINT:

*: This setting is only valid for the buzzer which sounds at 20 km/h (12 mph) or more.



Last Modified: 3-10-2010	6.4 T	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000148Y033X
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: PROBLEM SYMPTOMS TABLE (2010 Corolla)		

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.

Seat Belt Warning System

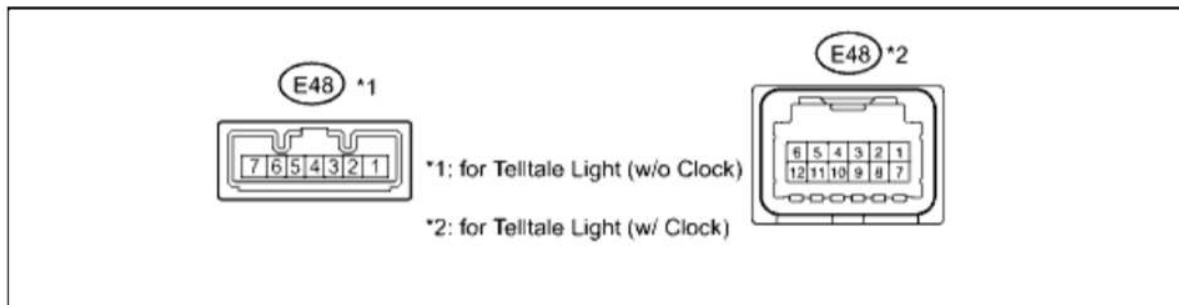
SYMPTOM	SUSPECTED AREA	SEE PAGE
Driver side seat belt warning light does not operate	Front seat inner belt assembly LH	INFO
	Center airbag sensor assembly	-
	Combination meter assembly	-
	Wire harness or connector	-
	Main body ECU (Instrument panel junction block)	-
Front passenger seat belt warning light does not operate	Front seat inner belt assembly RH	INFO
	Occupant detection ECU	-
	Road sensor	-
	Center airbag sensor assembly	-
	Combination meter	-
	Telltale light assembly	INFO
	Wire harness or connector	-



Last Modified: 3-10-2010	6.4 U	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000014DJ02QX
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: TERMINALS OF ECU (2010 Corolla)		

TERMINALS OF ECU

1. TELLTALE LIGHT ASSEMBLY



Standard Voltage:

TERMINAL NO. (SYMBOL)	WIRING COLOR	TERMINAL DESCRIPTION	CONDITION	SPECIFIED CONDITION
E48-4 (B) - Body ground*3 E48-3 (B) - Body ground*4	B*1 or V*2 - Body ground	Power source	Always	11 to 14 V
E48-3 (L) - Body ground*3 E48-8 (L) - Body ground*4	O*1 or W*2 - Body ground	Front passenger side seat belt warning light signal	Front passenger seat occupied, ignition switch ON, front passenger side seat belt warning light OFF	11 to 14 V
			Front passenger seat occupied, ignition switch ON, front passenger side seat belt warning light is blinking	Below 1 V ↔ 11 to 14 V

*1: for TMC Made

*2: except for TMC Made

*3: for Telltale Light (w/o Clock)

*4: for Telltale Light (w/ Clock)



Last Modified: 3-10-2010	6.4 D	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000012GX04KX
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: DIAGNOSIS SYSTEM (2010 Corolla)		

DIAGNOSIS SYSTEM

1. DESCRIPTION

- (a) The seat belt warning system data can be read from the Data Link Connector 3 (DLC3) of the vehicle. When the system seems to be malfunctioning, use the Techstream to check for malfunctions and perform repairs.

2. CHECK DLC3

- (a) Check DLC3  .

3. INSPECT BATTERY VOLTAGE

Standard voltage:
11 to 14 V

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



Last Modified: 3-10-2010	6.4 U	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000012G704FX
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: DATA LIST / ACTIVE TEST (2010 Corolla)		

DATA LIST / ACTIVE TEST

1. ACTIVE TEST

HINT:

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 trouble shooting 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.
- Perform Active Test according to the display on the Techstream.

HINT:

The ignition switch must be turned to ON to proceed with the Active Test using the Techstream.

Combination Meter

TESTER DISPLAY	TEST PART	CONTROL RANGE	DIAGNOSTIC NOTE
Front Passenger Side Seat Belt	Front passenger side seat belt warning light	Front passenger side seat belt warning light is OFF / ON	Confirm that the vehicle is stopped, engine idling
Driver Side Seat Belt	Driver side seat belt warning light	Driver side seat belt warning light is OFF / ON	Confirm that the vehicle is stopped, engine idling



Last Modified: 3-10-2010	6.4 G	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001OKS020X
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: ON-VEHICLE INSPECTION (2010 Corolla)		

ON-VEHICLE INSPECTION

1. INSPECT DRIVER SIDE SEAT BELT WARNING

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

2. INSPECT PASSENGER SIDE SEAT BELT WARNING

- (a) Turn the ignition switch to ON.
- (b) When the front passenger seat belt is not fastened with the passenger seat occupied, check that the front passenger seat belt warning light on the telltale light assembly blinks.
- (c) When the front passenger seat belt is fastened with the passenger seat occupied, check that the front passenger seat belt warning light on the telltale light is off.



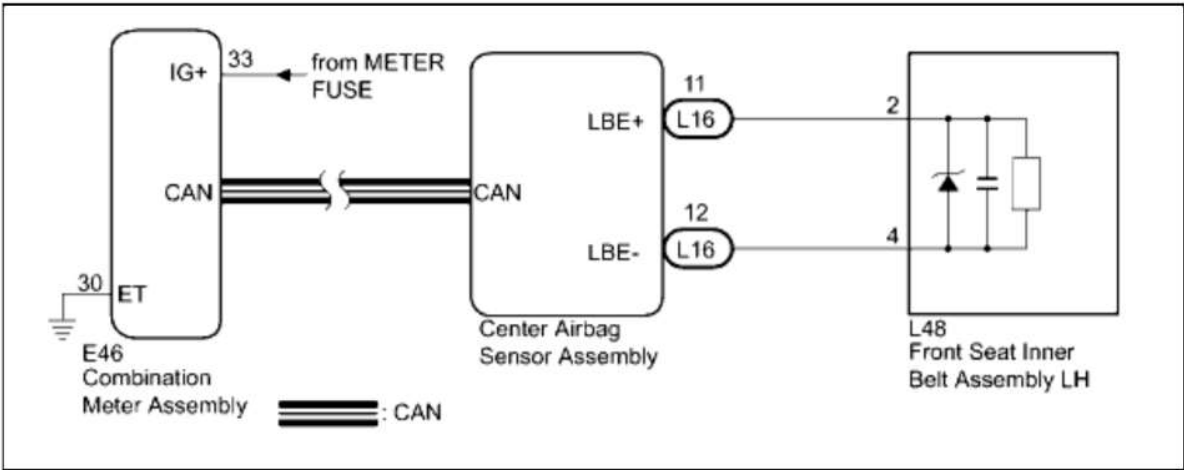
Last Modified: 3-10-2010	6.4 J	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000014DK03HX
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: Driver Side Seat Belt Warning Light does not Operate (2010 Corolla)		

Driver Side Seat Belt Warning Light does not Operate

DESCRIPTION

When the ignition switch is on (IG), the center 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 seat belt warning light. If the seat belt is fastened, the warning light goes off.

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:
The seat belt warning system uses CAN. Before troubleshooting the seat belt warning system, perform Communication Function Check by following How to Proceed with Troubleshooting to confirm that the communication systems are normal.

PROCEDURE

1.	CHECK FOR DTC
----	---------------

(a) Check for DTCs.

Result:

RESULT	PROCEED TO
CAN communication system DTC is output	A
Airbag system DTC is output	B
DTC is not output	C

B ► GO TO AIRBAG SYSTEM

A ► GO TO CAN COMMUNICATION SYSTEM

C



2. PERFORM ACTIVE TEST USING TECHSTREAM

- (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 / Combination Meter / Active Test.
- (e) Check the Driver side seat belt warning light by performing the Active Test.

Combination Meter:

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

OK:

Switch condition (ON/OFF) can be switched by Active Test.

NG ► REPLACE COMBINATION METER

OK ► REPLACE CENTER AIRBAG SENSOR ASSEMBLY



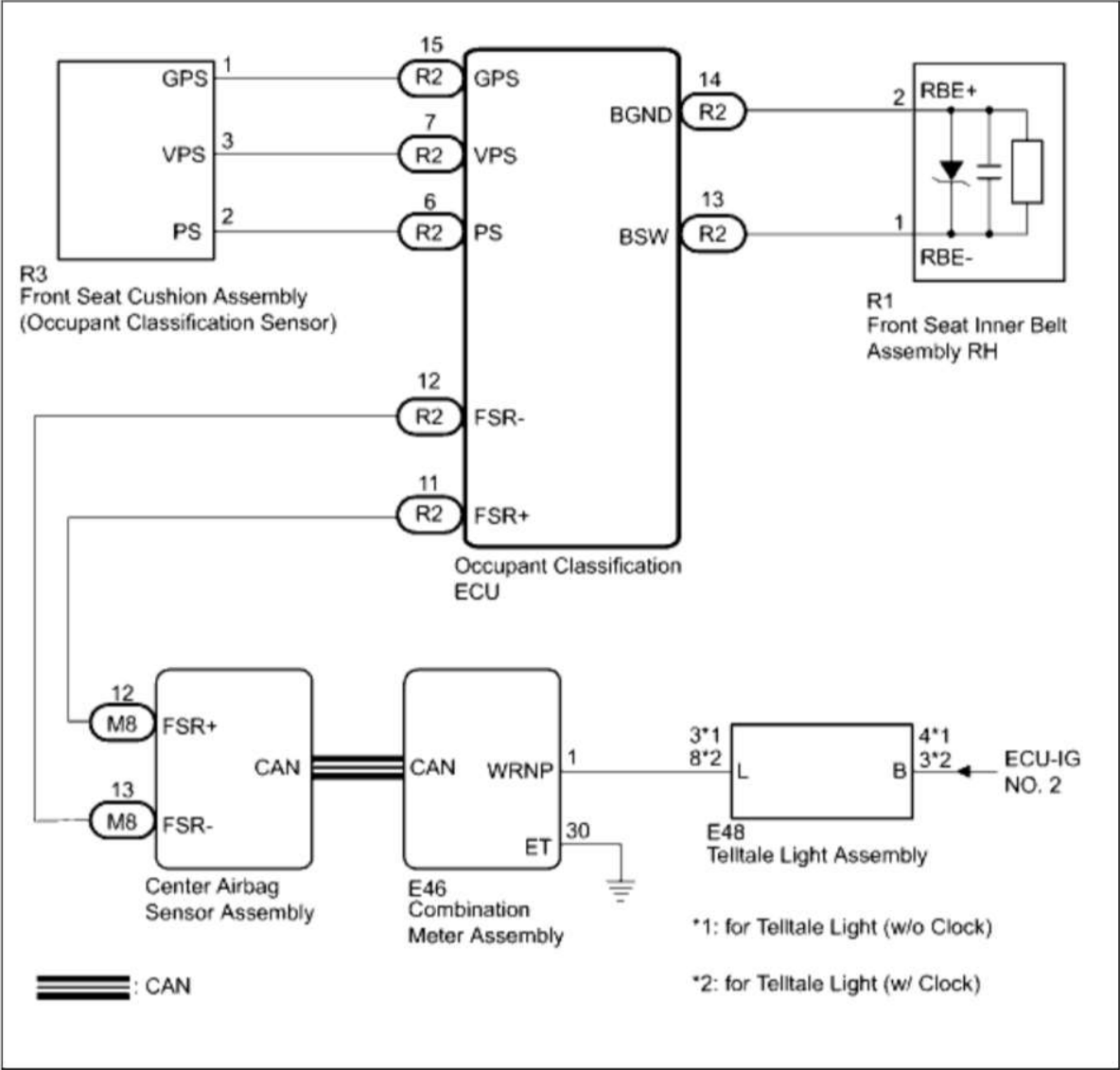
Last Modified: 3-10-2010	6.4 J	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000014DL02XX
Title: SEAT BELT: SEAT BELT WARNING SYSTEM: Front Passenger Side Seat Belt Warning Light Malfunction (2010 Corolla)		

Front Passenger Side Seat Belt Warning Light Malfunction

DESCRIPTION

The occupant detection ECU detects the state of the front seat inner belt assembly RH and road sensor when the front passenger seat is occupied with the ignition switch on (IG). If the front passenger seat belt is not fastened, the front seat belt warning light on the telltale light assembly blinks. If the seat belt is fastened, the warning light goes off.

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:
The seat belt warning system uses CAN. Before troubleshooting the seat belt warning system, perform Communication Function Check by following How to Proceed with Troubleshooting to confirm that the communication systems are normal.

PROCEDURE

1.	CHECK FOR DTC
----	---------------

(a) Check for DTCs.
Result:

RESULT	PROCEED TO
--------	------------

RESULT	PROCEED TO
DTC is not output	A
CAN communication system DTC is output	B
Occupant detection system DTC is output	C

C ► GO TO OCCUPANT CLASSIFICATION SYSTEM

B ► GO TO CAN COMMUNICATION SYSTEM

A



2. PERFORM ACTIVE TEST USING TECHSTREAM

- (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 / Combination Meter / Active Test.
- (e) Check the Front passenger side seat belt warning light by performing the Active Test.

Combination Meter

TESTER DISPLAY	TEST PART	CONTROL RANGE	DIAGNOSTIC NOTE
Front Passenger Side Seat Belt	Front passenger side seat belt warning light	Front passenger side seat belt warning light is OFF / ON	Confirm that the vehicle is stopped, engine idling

OK:

Switch condition (ON/OFF) can be switched by Active Test.

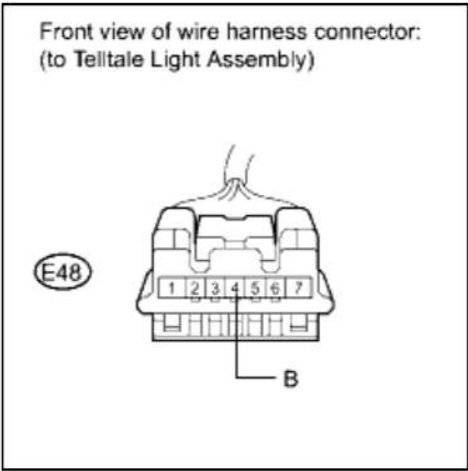
NG ► CHECK WIRE HARNESS (BATTERY POSITIVE AND BODY GROUND)

OK ► REPLACE CENTER AIRBAG SENSOR ASSEMBLY

3. CHECK WIRE HARNESS (BATTERY POSITIVE AND BODY GROUND)

- (a) Disconnect the E48 connector.

(b) for Telltale Light (w/o Clock):

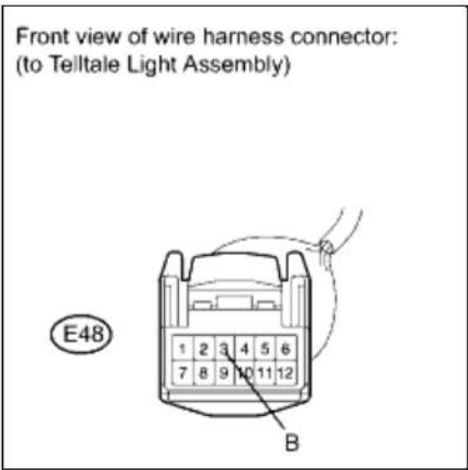


(1) Measure the voltage according to the value(s) in the table below.

Standard Voltage:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
E48-4 (B) - Body ground	Ignition switch on (IG)	11 to 14 V

(c) for Telltale Light (w/ Clock):



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

Standard Voltage:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
E48-3 (B) - Body ground	Ignition switch on (IG)	11 to 14 V

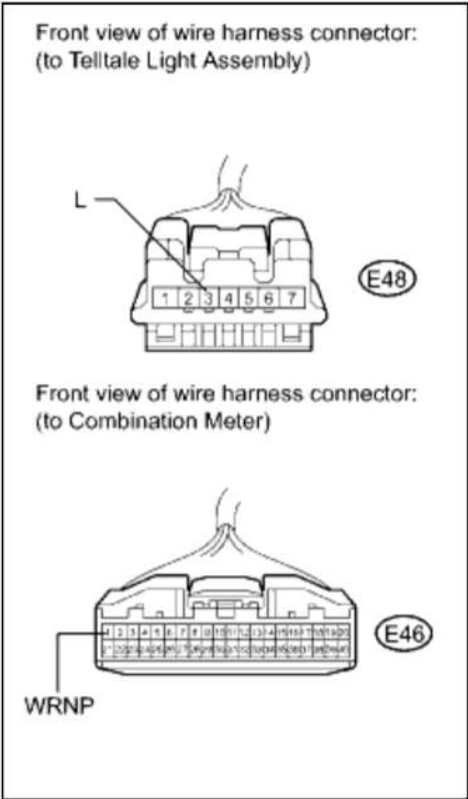
NG ► REPAIR OR REPLACE HARNESS OR CONNECTOR, OR REPLACE FUSE

OK
▼

4.	CHECK HARNESS OR CONNECTOR (TELLTALE LIGHT ASSEMBLY - COMBINATION METER)
----	--

(a) Disconnect the E46 connector.

(b) for Telltale Light (w/o Clock):

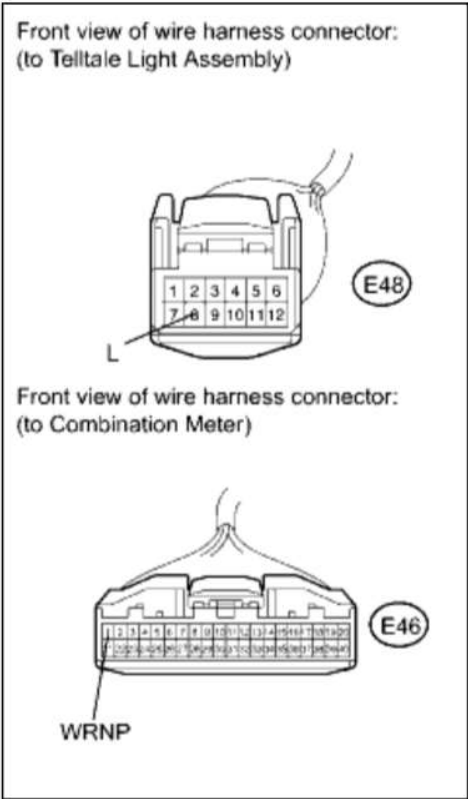


(1) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
E48-3 (L) - E46-1 (WRNP)	Always	Below 1 Ω
E46-3 (L) or E46-1 (WRNP) - Body ground	Always	10 kΩ or higher

(c) for Telltale Light (w/ Clock):



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

Standard Resistance:

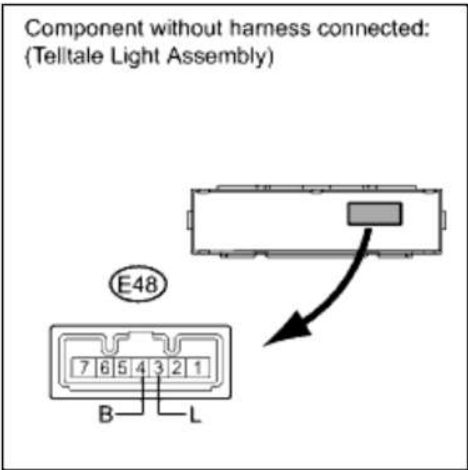
TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
E48-8 (L) - E46-1 (WRNP)	Always	Below 1 Ω
E46-8 (L) or E46-1 (WRNP) - Body ground	Always	10 kΩ or higher

NG ► REPAIR OR REPLACE HARNESS OR CONNECTOR

OK
▼

5. INSPECT TELLTALE LIGHT ASSEMBLY

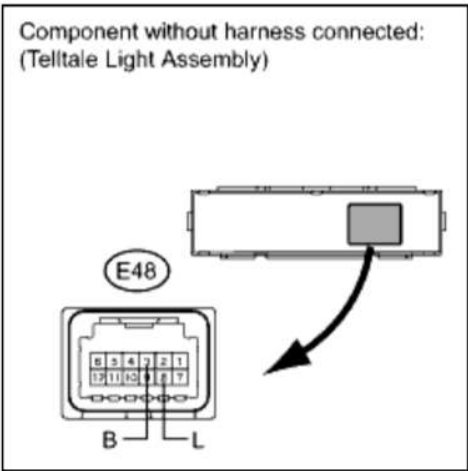
- (a) Check the telltale light assembly (front passenger seat belt warning light) condition.
- (b) for Telltale Light (w/o Clock):



- (1) Apply battery voltage to the connector according to the table below.
- OK:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
Battery positive (+) → E48-4 (B) Battery negative (-) → E48-3 (L)	Always	Seat belt warning light comes on

- (c) for Telltale Light (w/ Clock):



- (1) Apply battery voltage to the connector according to the table below.
- OK:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
Battery positive (+) → E48-3 (B) Battery negative (-) → E48-8 (L)	Always	Seat belt warning light comes on

NG ► REPLACE TELLTALE LIGHT ASSEMBLY

OK ► **REPLACE COMBINATION METER ASSEMBLY**

