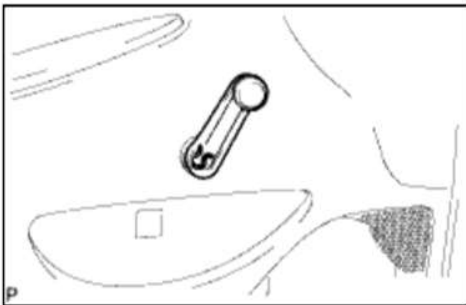


Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000011QF02WX
Title: DOOR / HATCH: FRONT DOOR: DISASSEMBLY (2010 Corolla)		

DISASSEMBLY

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

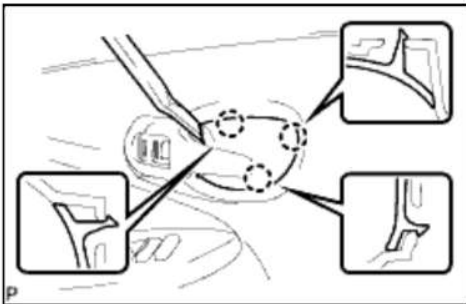
2. REMOVE FRONT DOOR WINDOW REGULATOR HANDLE ASSEMBLY (w/o Power Window)



(a) Using a clip remover, remove the snap ring.

(b) Remove the front door window regulator handle assembly and front door regulator inside handle plate.

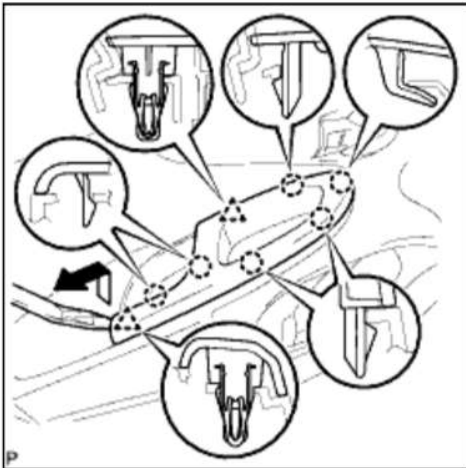
3. REMOVE FRONT DOOR INSIDE HANDLE BEZEL



(a) Using a moulding remover, disengage the 3 claws and remove the front door inside handle bezel.

4. REMOVE FRONT ARMREST UPPER BASE PANEL (w/o Power Window)

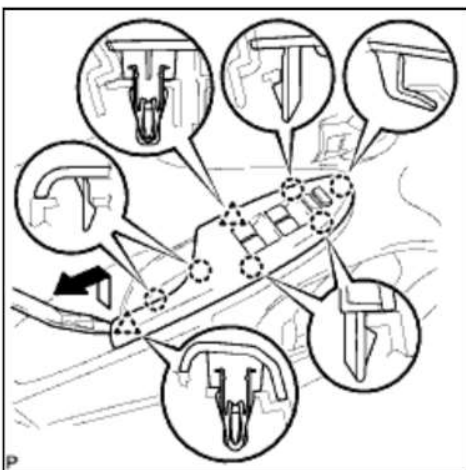
(a) Using a moulding remover, disengage the 2 clips and 6 claws, and remove the front armrest upper base panel.



(b) w/ Power Door Lock:

(1) Disconnect the connector.

5. REMOVE FRONT ARMREST UPPER BASE PANEL (w/ Power Window)

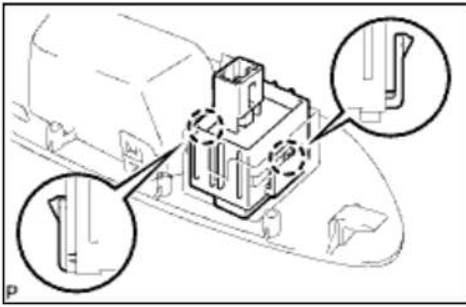


(a) Using a moulding remover, disengage the 2 clips and 6 claws.

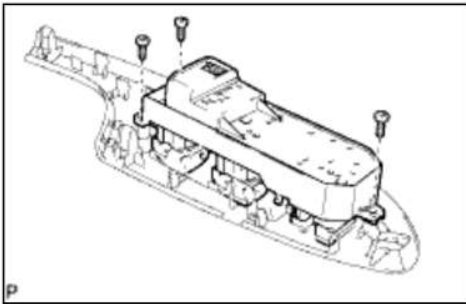
(b) Disconnect the connector and remove the front armrest upper base panel.

6. REMOVE DOOR CONTROL SWITCH ASSEMBLY (w/ Power Door Lock)

(a) Using a screwdriver with its tip wrapped with protective tape, disengage the 2 claws and remove the door control switch assembly.

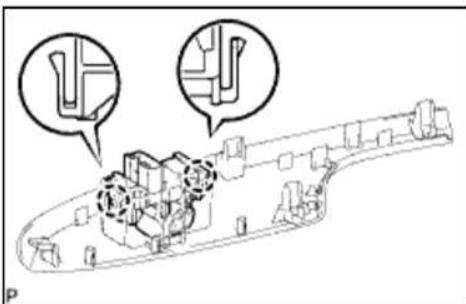


7. REMOVE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY (for Driver Side with Power Window)



- (a) Remove the 3 screws and the power window regulator master switch assembly.

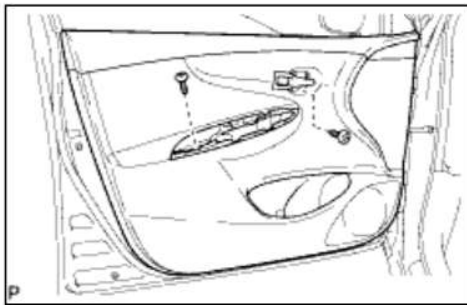
8. REMOVE POWER WINDOW REGULATOR SWITCH ASSEMBLY (for Front Passenger Side with Power Window)



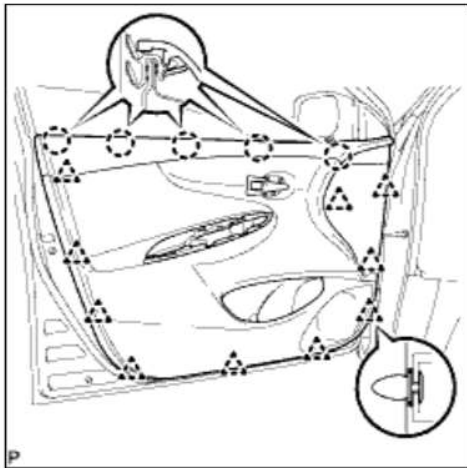
- (a) Using a screwdriver with its tip wrapped with protective tape, disengage the 2 claws and remove the power window regulator switch assembly.

9. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY

- (a) Using a screwdriver with its tip wrapped with protective tape, disengage the claw and disconnect the door armrest cap.



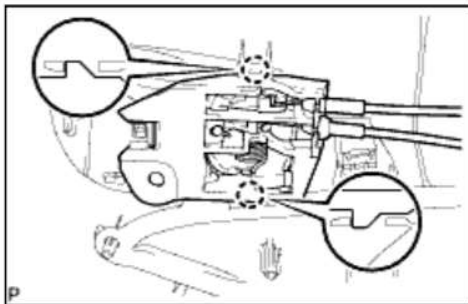
(b) Remove the 2 screws.



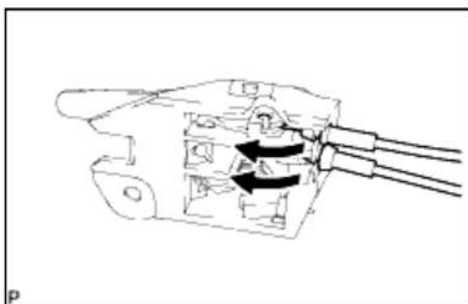
(c) Using a clip remover, disengage the 10 clips.

(d) Disengage the 5 claws and separate the front door trim board sub-assembly from the front door inner glass weatherstrip.

(e) Disengage the 2 claws and disconnect the front door inside handle sub-assembly.

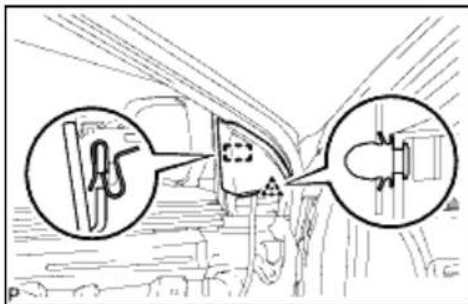


10. REMOVE FRONT DOOR INSIDE HANDLE SUB-ASSEMBLY



- (a) Disconnect the front door lock remote control cable and front door inside locking cable, and remove the front door inside handle sub-assembly.

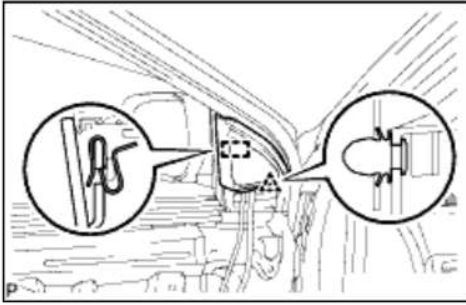
11. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH (w/o Front No. 2 Speaker)



- (a) Disengage the clip and clamp, and remove the front door lower frame bracket garnish.

12. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH (w/ Front No. 2 Speaker)

- (a) Disengage the clip and clamp.



(b) Disconnect the connector and remove the front door lower frame bracket garnish.

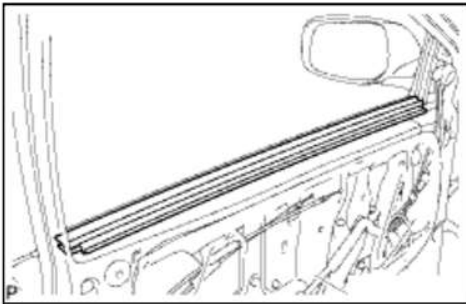
13. REMOVE FRONT NO. 2 SPEAKER ASSEMBLY (w/ Front No. 2 Speaker)

INFO

14. REMOVE FRONT NO. 3 SPEAKER ASSEMBLY (w/ Front No. 3 Speaker)

INFO

15. REMOVE FRONT DOOR INNER GLASS WEATHERSTRIP

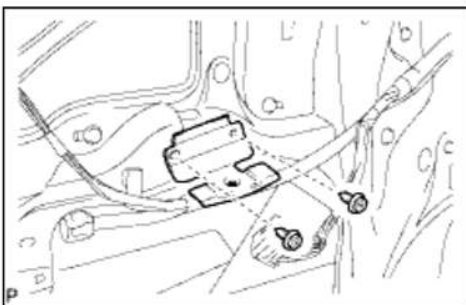


(a) Remove the front door inner glass weatherstrip from the front door panel.

16. REMOVE FRONT NO. 1 SPEAKER ASSEMBLY

INFO

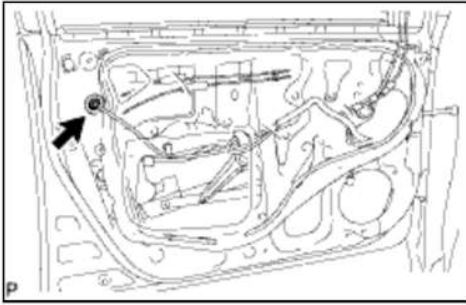
17. REMOVE FRONT DOOR TRIM BRACKET



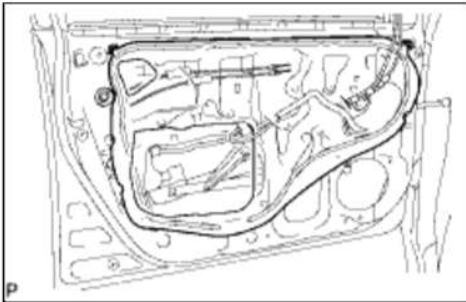
(a) Remove the 2 screws and the front door trim bracket.

18. REMOVE FRONT DOOR SERVICE HOLE COVER

(a) w/ Power door lock:



(1) Disconnect the connector.



(b) Remove the front door service hole cover.

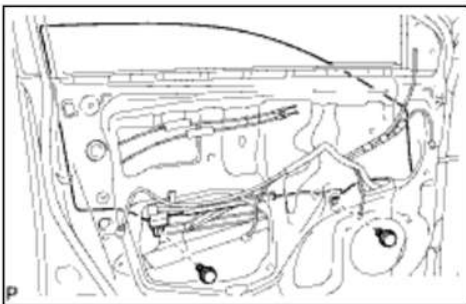
HINT:

Remove any remaining butyl tape from the door.

19. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY WITH COVER INFO

20. REMOVE FRONT DOOR GLASS SUB-ASSEMBLY (w/o Power Window)

- (a) Install the front door window regulator handle assembly and move the front door glass sub-assembly so that the door glass bolts can be seen.
- (b) Remove the front door window regulator handle assembly.



(c) Remove the 2 bolts.

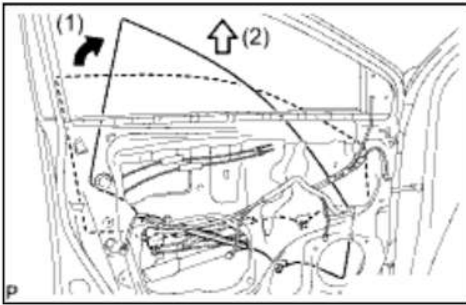
NOTICE:

After the bolts are removed, do not allow the door glass to fall.

(d) Remove the front door glass sub-assembly as shown in the illustration.

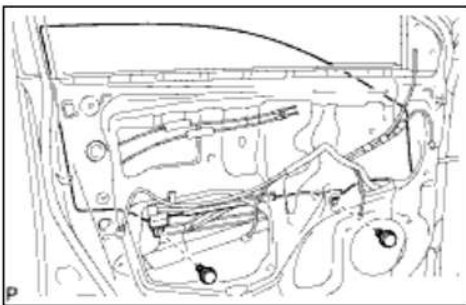
NOTICE:

Do not damage the door glass.



21. REMOVE FRONT DOOR GLASS SUB-ASSEMBLY (w/ Power Window)

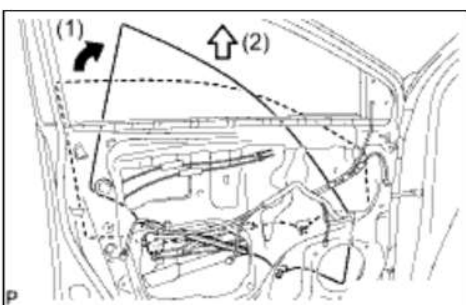
- (a) Connect the cable to the negative (-) battery terminal.
- (b) Connect the power window regulator master switch assembly and move the front door glass sub-assembly so that the door glass bolts can be seen.
- (c) Disconnect the cable from the negative (-) battery terminal and power window regulator master switch assembly.



- (d) Remove the 2 bolts.

NOTICE:

After the bolts are removed, do not allow the door glass to fall.



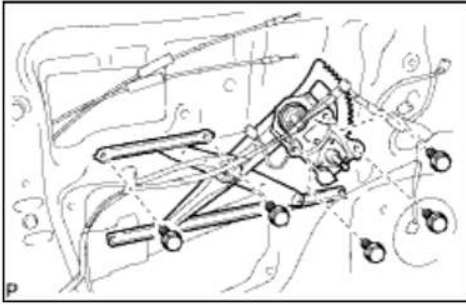
- (e) Remove the front door glass sub-assembly as shown in the illustration.

NOTICE:

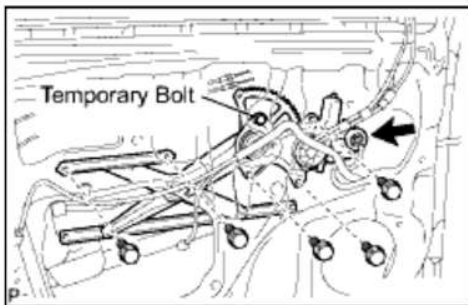
Do not damage the door glass.

22. REMOVE FRONT DOOR WINDOW REGULATOR ASSEMBLY (w/o Power Window)

- (a) Remove the 5 bolts and the front door window regulator assembly.



23. REMOVE FRONT DOOR WINDOW REGULATOR SUB-ASSEMBLY (w/ Power Window)



(a) Disconnect the connector.

(b) Loosen the temporary bolt.

NOTICE:

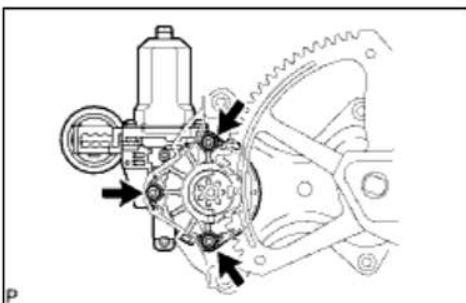
Do not remove the temporary bolt. If the temporary bolt is removed, the front door window regulator may fall and cause damage.

(c) Remove the 5 bolts.

(d) Remove the front door window regulator sub-assembly and the front power window regulator motor assembly as a unit.

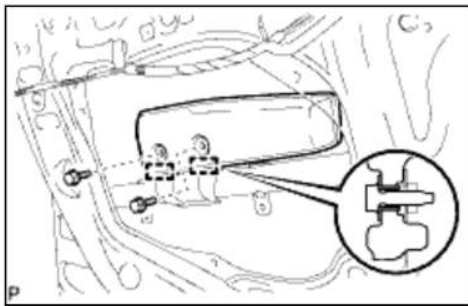
(e) Remove the temporary bolt from the front door window regulator sub-assembly.

24. REMOVE FRONT POWER WINDOW REGULATOR MOTOR ASSEMBLY (w/ Power Window)



(a) Using a "TORX" socket wrench (T25), remove the 3 screws and the front power window regulator motor assembly.

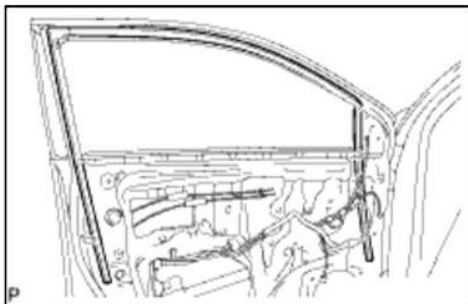
25. REMOVE FRONT DOOR NO. 2 STIFFENER CUSHION



(a) Remove the 2 bolts.

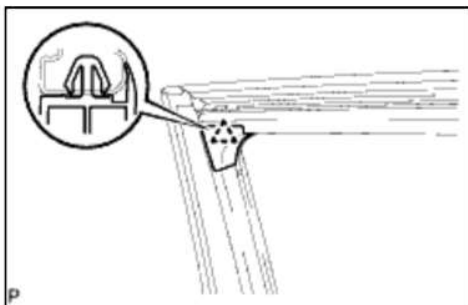
(b) Disengage the 2 guides and remove the front door No. 2 stiffener cushion.

26. REMOVE FRONT DOOR GLASS RUN



(a) Remove the front door glass run.

27. REMOVE DOOR FRAME GARNISH



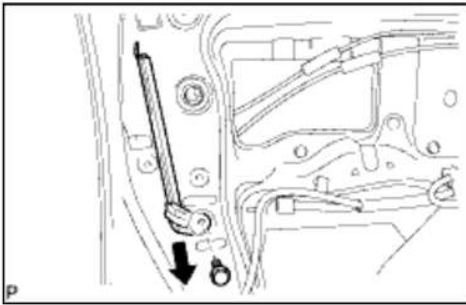
(a) Disengage the clip and remove the door frame garnish.

HINT:

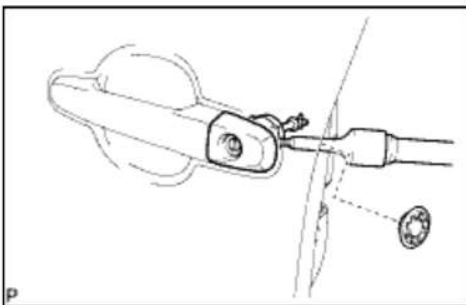
This garnish needs to be replaced with a new one because the clip will break when removing the door frame garnish.

28. REMOVE FRONT DOOR REAR LOWER FRAME SUB-ASSEMBLY

(a) Remove the bolt and the front door rear lower frame sub-assembly as shown in the illustration.



29. REMOVE FRONT DOOR OUTSIDE HANDLE COVER (for Driver Side)

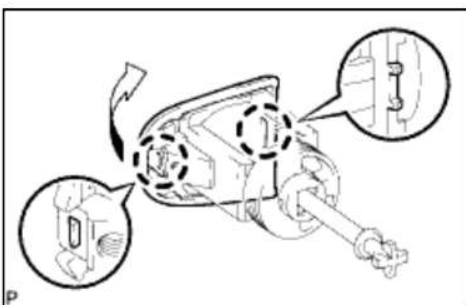


(a) Remove the hole plug.

(b) Using a "TORX" socket wrench (T30), loosen the screw and remove the front door outside handle cover and the door lock key cylinder as a unit.

HINT:

The screw cannot be removed because it is integrated into the front door outside handle frame sub-assembly.



(c) Using a screwdriver, disengage the 2 claws and remove the front door outside handle cover.

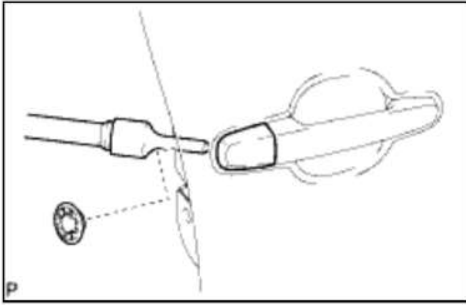
30. REMOVE FRONT DOOR OUTSIDE HANDLE COVER (for Front Passenger Side)

(a) w/o Wireless door lock system:

HINT:

Use the same procedure for the front passenger side and the driver side.

(b) w/ Wireless door lock system:



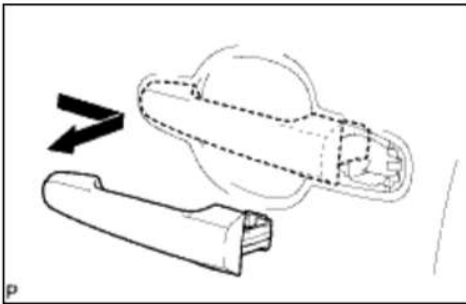
(1) Remove the hole plug.

(2) Using a "TORX" socket wrench (T30), loosen the screw and remove the front door outside handle cover.

HINT:

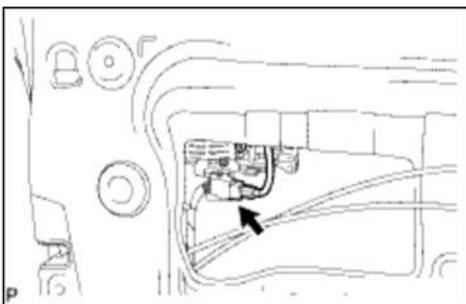
The screw cannot be removed because it is integrated into the front door outside handle frame sub-assembly.

31. REMOVE FRONT DOOR OUTSIDE HANDLE ASSEMBLY (w/o Smart Key System)



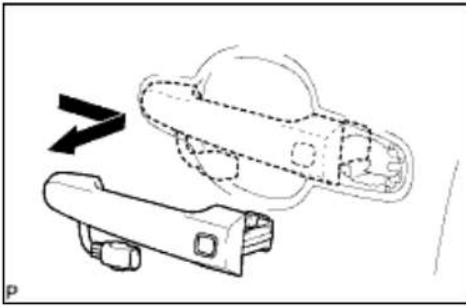
(a) Remove the front door outside handle assembly as shown in the illustration.

32. REMOVE FRONT DOOR OUTSIDE HANDLE ASSEMBLY (w/ Smart Key System)

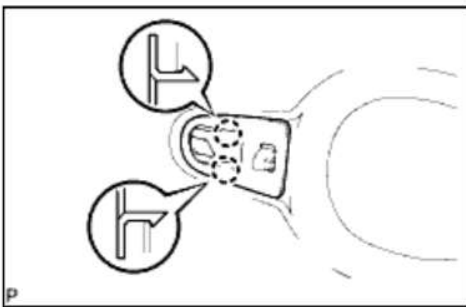


(a) Disconnect the connector.

(b) Remove the front door outside handle assembly as shown in the illustration.

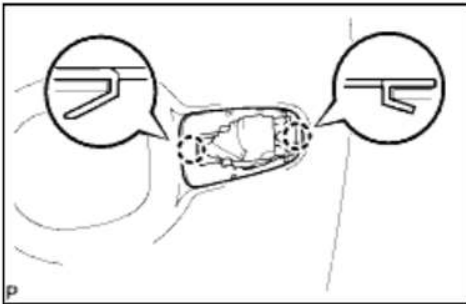


33. REMOVE FRONT DOOR FRONT OUTSIDE HANDLE PAD



(a) Disengage the 2 claws and remove the front door front outside handle pad.

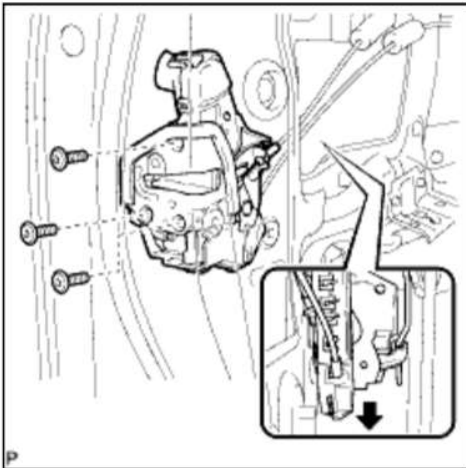
34. REMOVE FRONT DOOR REAR OUTSIDE HANDLE PAD



(a) Disengage the 2 claws and remove the front door rear outside handle pad.

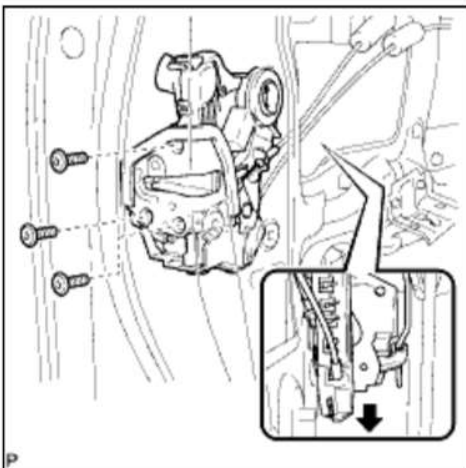
35. REMOVE FRONT DOOR LOCK ASSEMBLY (w/o Power Door Lock)

(a) Using a "TORX" socket wrench (T30), remove the 3 screws.



- (b) Slide the front door lock assembly downward, and remove the front door lock assembly and cables as a unit.

36. REMOVE FRONT DOOR LOCK ASSEMBLY (w/ Power Door Lock)

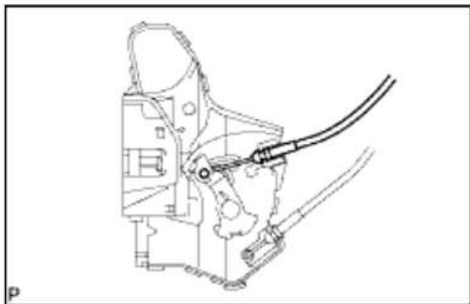


- (a) Using a "TORX" socket wrench (T30), remove the 3 screws.

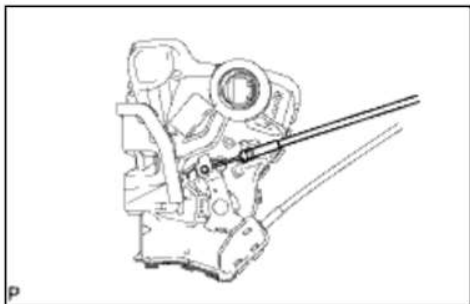
- (b) Slide the front door lock assembly downward, and remove the front door lock assembly and cables as a unit.
 (c) Remove the door lock wiring harness seal from the front door lock assembly.

37. REMOVE FRONT DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY (w/o Power Door Lock)

- (a) Remove the front door lock remote control cable assembly.

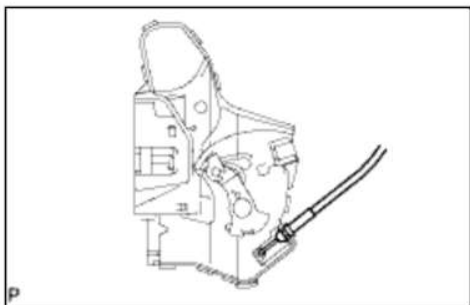


38. REMOVE FRONT DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY (w/ Power Door Lock)



(a) Remove the front door lock remote control cable assembly.

39. REMOVE FRONT DOOR INSIDE LOCKING CABLE ASSEMBLY (w/o Power Door Lock)



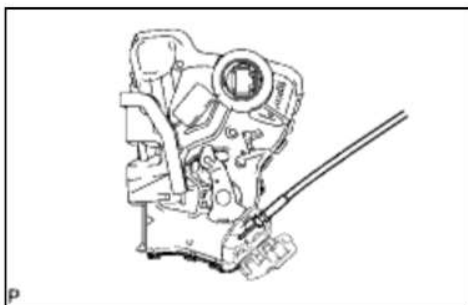
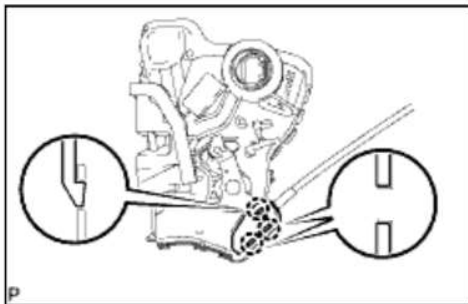
(a) Remove the front door inside locking cable assembly.

40. REMOVE FRONT DOOR INSIDE LOCKING CABLE ASSEMBLY (w/ Power Door Lock)

(a) Using a screwdriver, disengage the 3 claws.

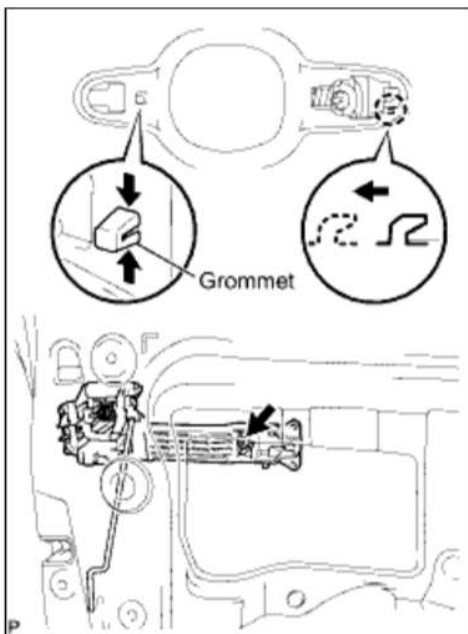
HINT:

Tape the screwdriver tip before use.



(b) Remove the front door inside locking cable assembly.

41. REMOVE FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY (w/o Smart Key System)

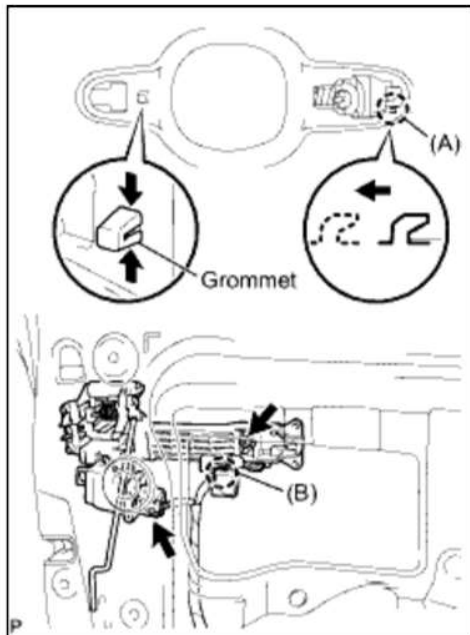


(a) Using a "TORX" socket wrench (T30), remove the screw.

(b) Using pliers, disengage the grommet as shown in the illustration.

(c) Disengage the claw and remove the front door outside handle frame sub-assembly.

42. REMOVE FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY (w/ Smart Key

System)

(a) Using a "TORX" socket wrench (T30), remove the screw.

(b) Disconnect the connector.

(c) Disengage the claw (B).

(d) Using pliers, disengage the grommet as shown in the illustration.

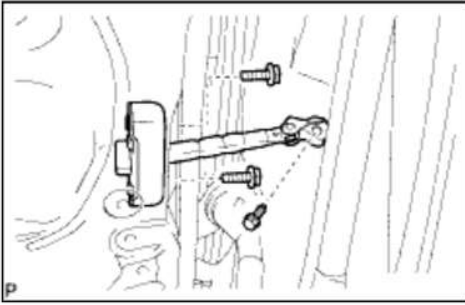
(e) Disengage the claw (A) and remove the front door outside handle frame sub-assembly.

43. REMOVE FRONT DOOR LOCK OPEN ROD

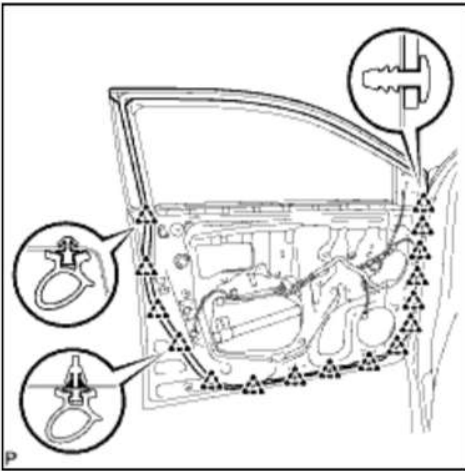
(a) Remove the front door lock open rod as shown in the illustration.

44. REMOVE DOOR ELECTRICAL KEY OSCILLATOR (w/ Smart Key System)**45. REMOVE FRONT DOOR CHECK ASSEMBLY**

(a) Remove the 3 bolts and the front door check assembly.



46. REMOVE FRONT DOOR WEATHERSTRIP



(a) Using a clip remover, disengage the 16 clips and remove the front door weatherstrip.

47. REMOVE FRONT DOOR BELT MOULDING ASSEMBLY INFO

48. REMOVE NO. 1 BLACK OUT TAPE (w/ Black Out Tape) INFO



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000011QG02WX
Title: DOOR / HATCH: FRONT DOOR: REASSEMBLY (2010 Corolla)		

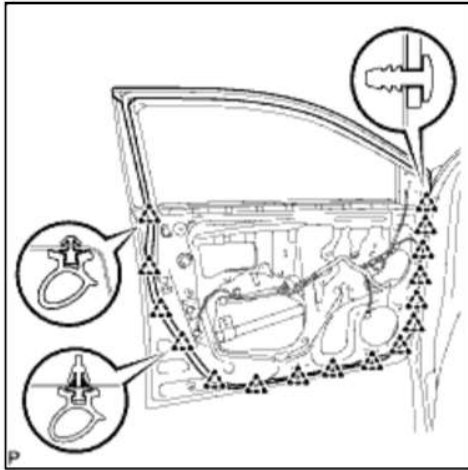
REASSEMBLY

1. REPAIR INSTRUCTION (w/ Black Out Tape) INFO

2. INSTALL NO. 1 BLACK OUT TAPE (w/ Black Out Tape) INFO

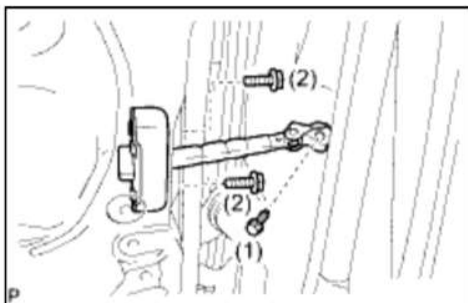
3. INSTALL FRONT DOOR BELT MOULDING ASSEMBLY INFO

4. INSTALL FRONT DOOR WEATHERSTRIP



(a) Engage the 16 clips and install the front door weatherstrip.

5. INSTALL FRONT DOOR CHECK ASSEMBLY



(a) Install the front door check assembly with the 3 bolts.

Bolt (1) - Torque: 30 N·m (306 kgf·cm, 22ft·lbf)

Bolt (2) - Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)

6. INSTALL DOOR ELECTRICAL KEY OSCILLATOR (w/ Smart Key System) INFO

7. INSTALL FRONT DOOR LOCK OPEN ROD

(a) Install the front door lock open rod as shown in the

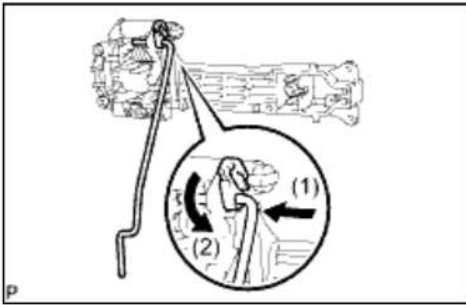
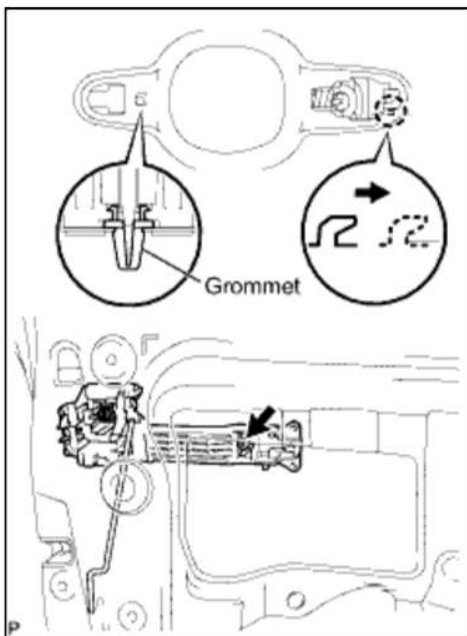


illustration.

8. INSTALL FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY (w/o Smart Key System)

(a) Apply MP grease to the sliding parts of the front door outside handle frame sub-assembly.



(b) Engage the claw and grommet.

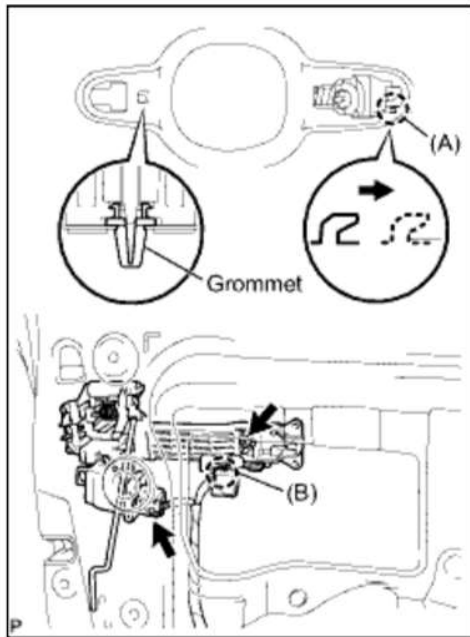
(c) Using a "TORX" socket wrench (T30), install the front door outside handle frame sub-assembly with the screw.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

9. INSTALL FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY (w/ Smart Key System)

(a) Apply MP grease to the sliding parts on the front door outside handle frame sub-assembly.

(b) Engage the claw (A) and grommet.



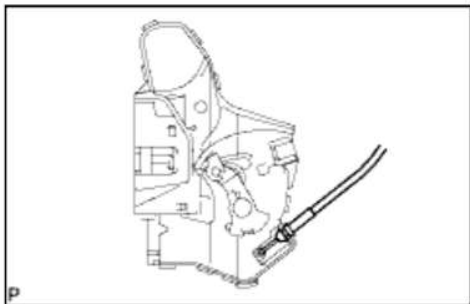
(c) Using a "TORX" socket wrench (T30), install the front door outside handle frame sub-assembly with the screw.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

(d) Engage the claw (B).

(e) Connect the connector.

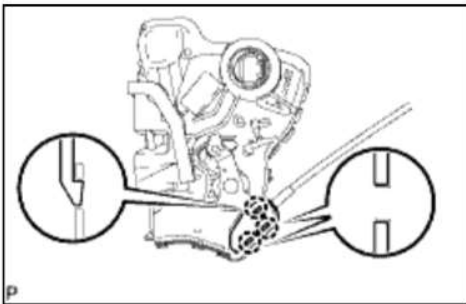
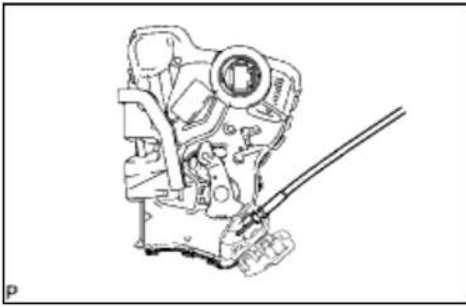
10. INSTALL FRONT DOOR INSIDE LOCKING CABLE ASSEMBLY (w/o Power Door Lock)



(a) Install the front door inside locking cable assembly.

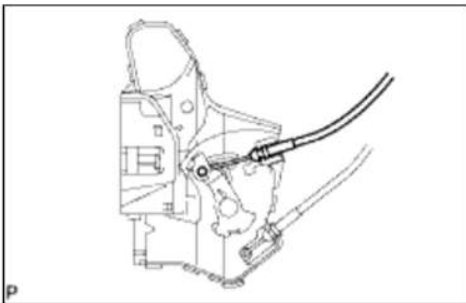
11. INSTALL FRONT DOOR INSIDE LOCKING CABLE ASSEMBLY (w/ Power Door Lock)

(a) Install the front door inside locking cable assembly.



(b) Engage the 3 claws.

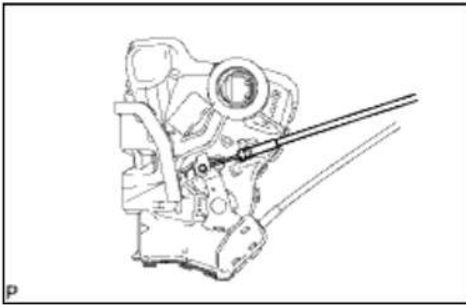
12. INSTALL FRONT DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY (w/o Power Door Lock)



(a) Install the front door lock remote control cable assembly.

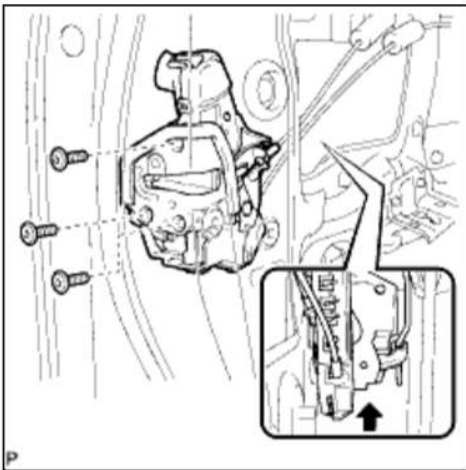
13. INSTALL FRONT DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY (w/ Power Door Lock)

(a) Install the front door lock remote control cable assembly.



14. INSTALL FRONT DOOR LOCK ASSEMBLY (w/o Power Door Lock)

(a) Apply MP grease to the sliding parts of the front door lock assembly.



(b) Insert the front door lock open rod to the front door lock assembly.

(c) Make sure that the front door lock open rod is securely connected to the front door lock assembly.

(d) Using a "TORX" socket wrench (T30), install the front door lock assembly with the 3 screws.

Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)

15. INSTALL FRONT DOOR LOCK ASSEMBLY (w/ Power Door Lock)

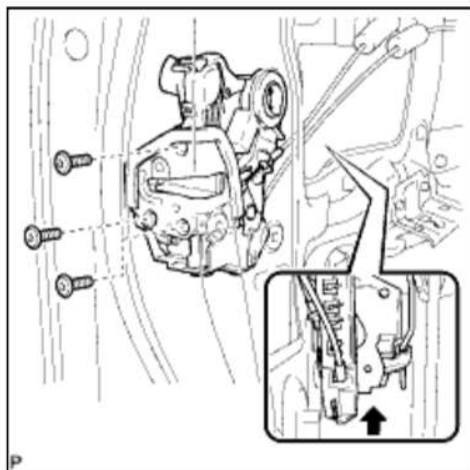
NOTICE:

- When reusing the removed front door lock assembly, replace the door lock wiring harness seal on the connector with a new one.
- Do not allow grease or dust to adhere to the door lock wiring harness seal surface of the connector.
- Reusing the door lock wiring harness seal or using a damaged door lock wiring harness seal may cause water intrusion. This may result in a malfunction of the front door lock assembly.

(a) Apply MP grease to the sliding parts of the front door lock assembly.

(b) Install a new door lock wiring harness seal to the front door lock assembly.

(c) Insert the front door lock open rod to the front door lock



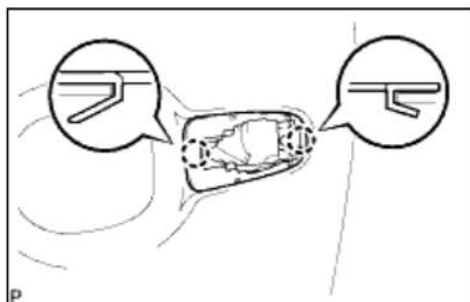
assembly.

(d) Make sure that the front door lock open rod is securely connected to the front door lock assembly.

(e) Using a "TORX" socket wrench (T30), install the front door lock assembly with the 3 screws.

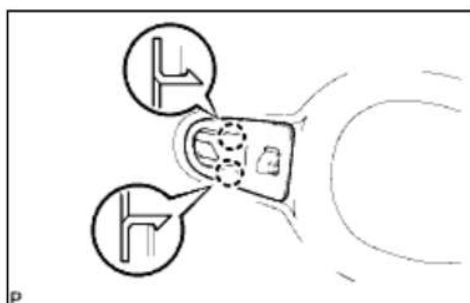
Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)

16. INSTALL FRONT DOOR REAR OUTSIDE HANDLE PAD



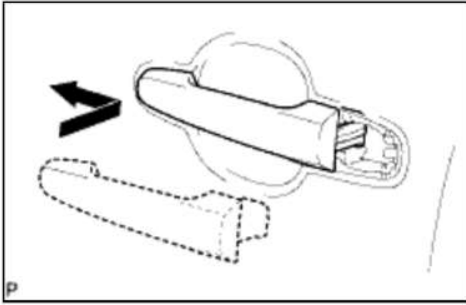
(a) Engage the 2 claws and install the front door rear outside handle pad.

17. INSTALL FRONT DOOR FRONT OUTSIDE HANDLE PAD



(a) Engage the 2 claws and install the front door front outside handle pad.

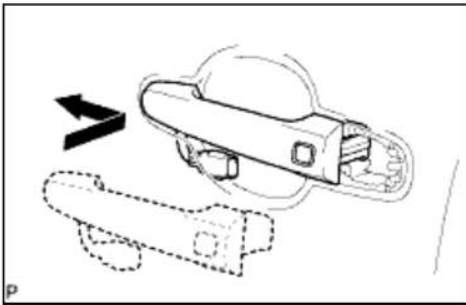
18. INSTALL FRONT DOOR OUTSIDE HANDLE ASSEMBLY (w/o Smart Key System)



(a) Insert the front end of the front door outside handle assembly into the front door outside handle frame.

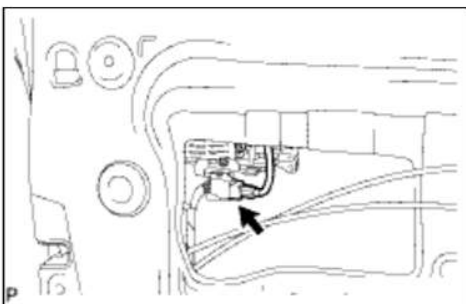
(b) Insert the rear end of the front door outside handle assembly into the front door outside handle frame then slide the front door outside handle assembly toward the front of the vehicle to install it.

19. INSTALL FRONT DOOR OUTSIDE HANDLE ASSEMBLY (w/ Smart Key System)



(a) Insert the front end of the front door outside handle assembly into the front door outside handle frame.

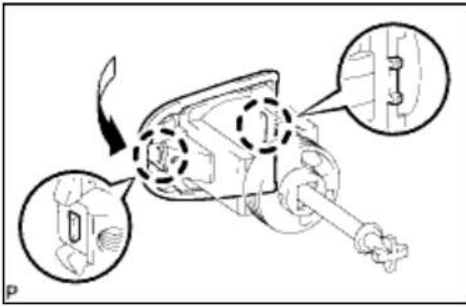
(b) Insert the rear end of the front door outside handle assembly into the front door outside handle frame then slide the front door outside handle assembly toward the front of the vehicle to install it.



(c) Connect the connector.

20. INSTALL FRONT DOOR OUTSIDE HANDLE COVER (for Driver Side)

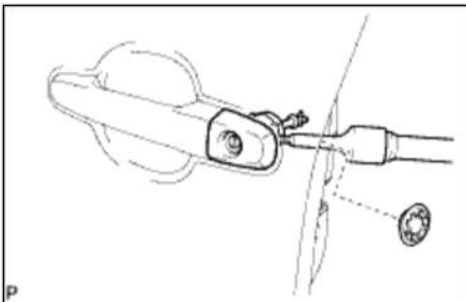
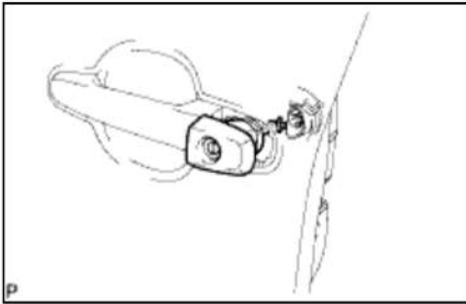
(a) Engage the 2 claws and install the front door outside handle cover to the front door lock cylinder.



(b) Install the front door lock cylinder.

HINT:

Make sure that the front door lock cylinder rod is inserted into the front door lock assembly.



(c) Using a "TORX" socket wrench (T30), install the front door lock cylinder with the screw.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

(d) Install the hole plug.

21. INSTALL FRONT DOOR OUTSIDE HANDLE COVER (for Front Passenger Side)

(a) w/o Wireless door lock system:

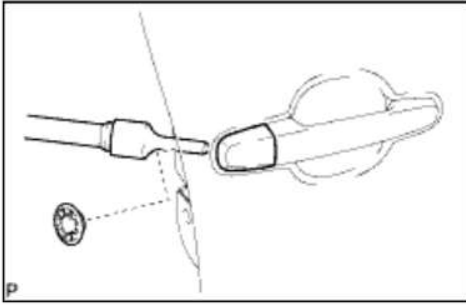
HINT:

Use the same procedure for the front passenger side and the driver side.

(b) w/ Wireless door lock system:

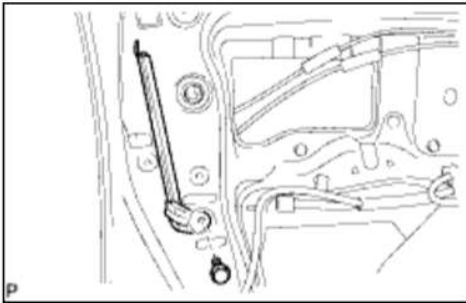
(1) Using a "TORX" socket wrench (T30), install the front door lock cylinder with the screw.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)



(2) Install the hole plug.

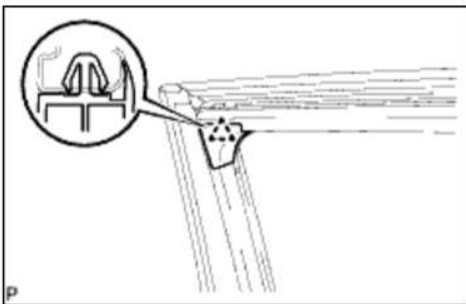
22. INSTALL FRONT DOOR REAR LOWER FRAME SUB-ASSEMBLY



(a) Install the front door rear lower frame sub-assembly with the bolt.

Torque: 6.2 N·m (63 kgf·cm, 55in·lbf)

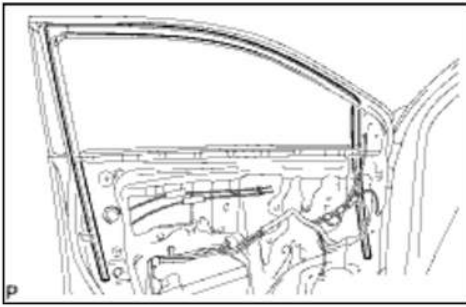
23. INSTALL DOOR FRAME GARNISH



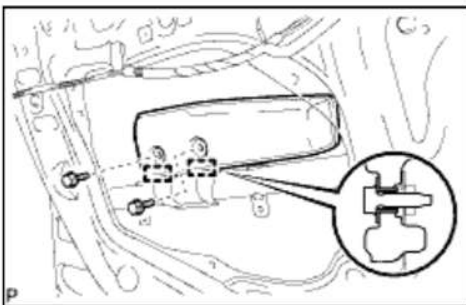
(a) Install a new door frame garnish with the clip.

24. INSTALL FRONT DOOR GLASS RUN

(a) Install the front door glass run.



25. INSTALL FRONT DOOR NO. 2 STIFFENER CUSHION



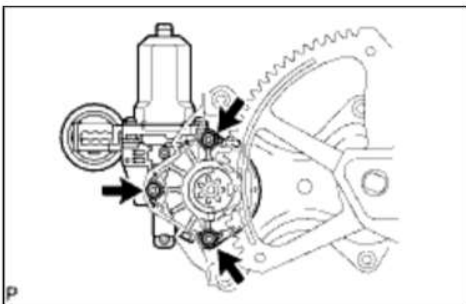
- (a) Insert the 2 guides and install the front door No. 2 stiffener cushion with the 2 bolts.

Torque: 6.2 N·m (63 kgf·cm, 55in·lbf)

26. INSTALL FRONT POWER WINDOW REGULATOR MOTOR ASSEMBLY (w/ Power Window)

NOTICE:

The regulator arm must be below the intermediate position when installing the power window regulator motor.



- (a) Using a "TORX" socket wrench (T25), install the front power window regulator motor assembly with the 3 screws.

Torque: 5.4 N·m (55 kgf·cm, 48in·lbf)

HINT:

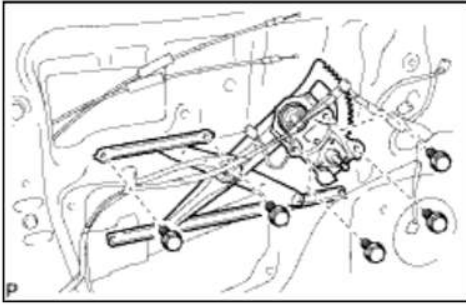
A new front window regulator uses self-tapping screws to thread new installation holes when the self-tapping screws are inserted.

27. INSTALL FRONT DOOR WINDOW REGULATOR ASSEMBLY (w/o Power Window)

- (a) Apply MP grease to the sliding parts of the front door window regulator assembly.

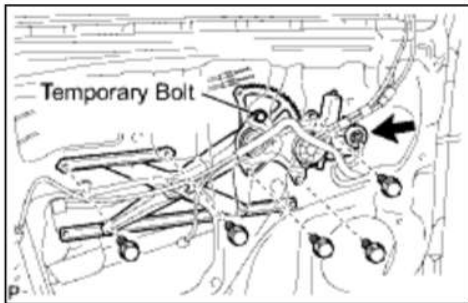
- (b) Install the front door window regulator assembly with the 5 bolts.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)



28. INSTALL FRONT DOOR WINDOW REGULATOR SUB-ASSEMBLY (w/ Power Window)

- (a) Apply MP grease to the sliding parts of the front door window regulator sub-assembly.



- (b) Install the temporary bolt to the front door window regulator sub-assembly.

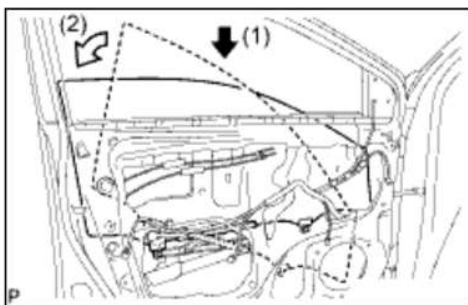
- (c) Temporarily install the front door window regulator sub-assembly.

- (d) Tighten the temporary bolt and 5 bolts to install the front door window regulator sub-assembly.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

- (e) Connect the connector.

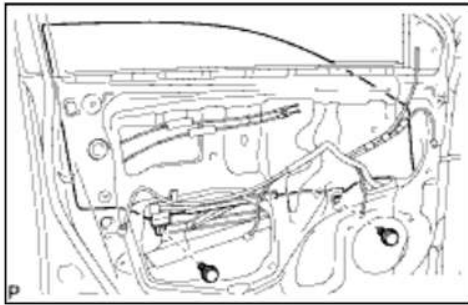
29. INSTALL FRONT DOOR GLASS SUB-ASSEMBLY



- (a) Insert the front door glass sub-assembly into the front door panel along the front door glass run as shown in the illustration.

- (b) Install the front door glass sub-assembly with the 2 bolts.

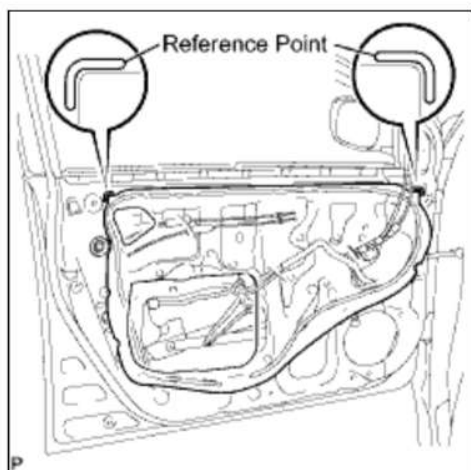
Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)



30. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY WITH COVER INFO

31. INSTALL FRONT DOOR SERVICE HOLE COVER

- (a) Apply butyl tape to the front door panel.
- (b) Pass the front door lock remote control cable and rear door inside locking cable through a new front door service hole cover.

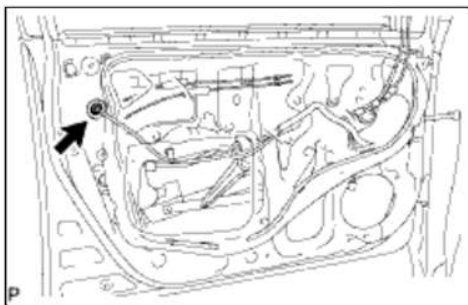


- (c) Attach the front door service hole cover according to the reference points on the front door panel.

NOTICE:

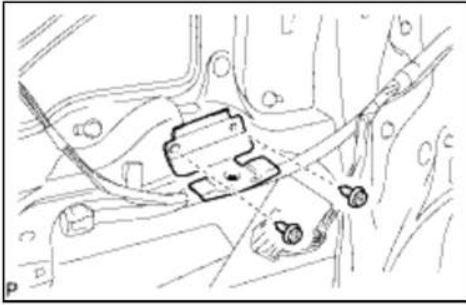
Securely install the front door service hole cover preventing wrinkles and air bubbles.

- (d) w/ Power door lock:



- (1) Connect the connector.

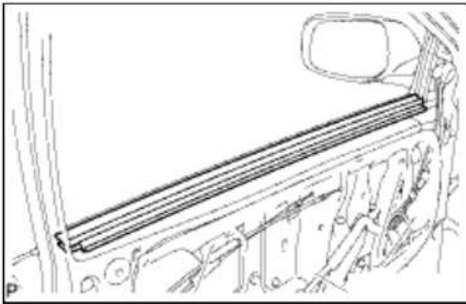
32. INSTALL FRONT DOOR TRIM BRACKET



(a) Install the front door trim bracket with the 2 screws.

33. INSTALL FRONT NO. 1 SPEAKER ASSEMBLY INFO

34. INSTALL FRONT DOOR INNER GLASS WEATHERSTRIP

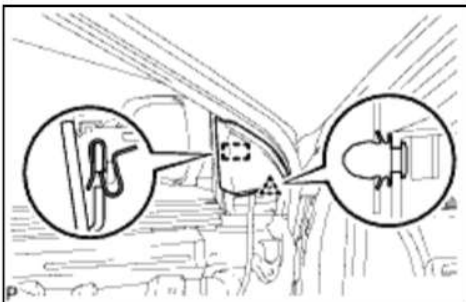


(a) Install the front door inner glass weatherstrip.

35. INSTALL FRONT NO. 3 SPEAKER ASSEMBLY (w/ Front No. 3 Speaker) INFO

36. INSTALL FRONT NO. 2 SPEAKER ASSEMBLY (w/ Front No. 2 Speaker) INFO

37. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH (w/o Front No. 2 Speaker)

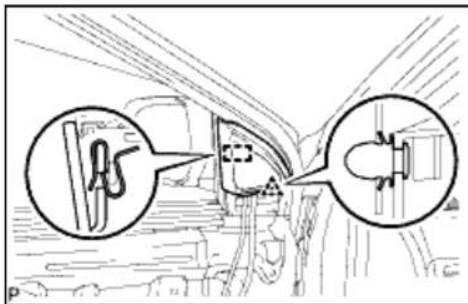


(a) Engage the clip and clamp, and install the front door lower frame bracket garnish.

38. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH (w/ Front No. 2 Speaker)

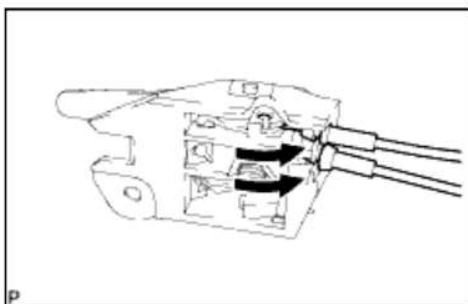
(a) Connect the connector.

(b) Engage the clip and clamp, and install the front door lower

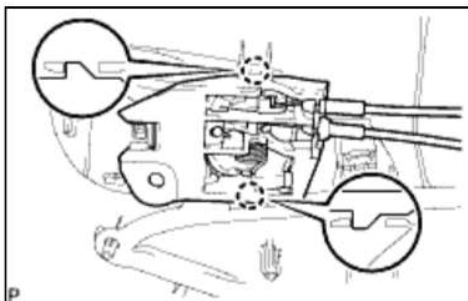


frame bracket garnish.

39. INSTALL FRONT DOOR INSIDE HANDLE SUB-ASSEMBLY



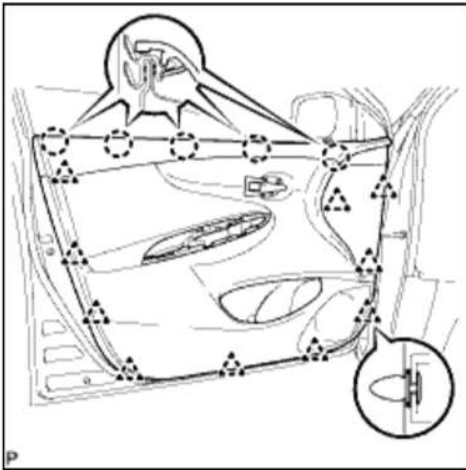
- (a) Connect the front door lock remote control cable and front door inside locking cable to the front door inside handle sub-assembly.



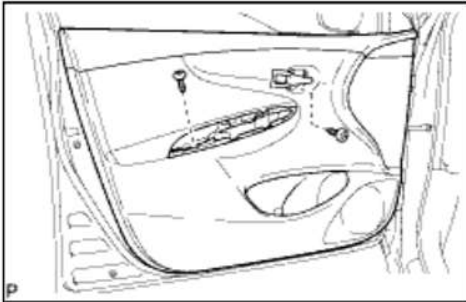
- (b) Engage the 2 claws and install the front door inside handle sub-assembly to the front door trim board.

40. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY

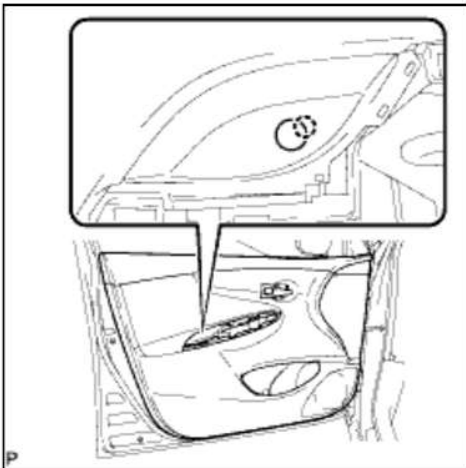
- (a) Engage the front door trim board with the 5 claws on the front door inner glass weatherstrip.



(b) Engage the 10 clips and install the front door trim board to the front door panel.



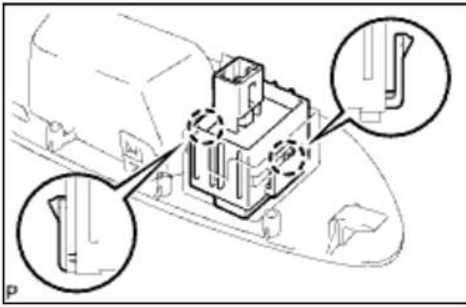
(c) Install the 2 screws.



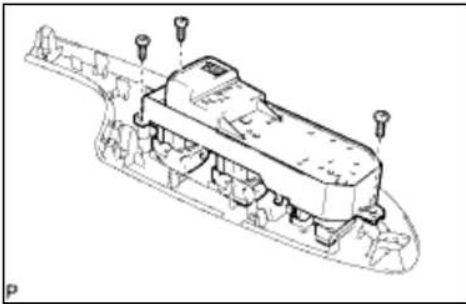
(d) Engage the claw to install the door armrest cap.

41. INSTALL DOOR CONTROL SWITCH ASSEMBLY (w/ Power Door Lock)

(a) Engage the 2 claws and install the door control switch assembly.

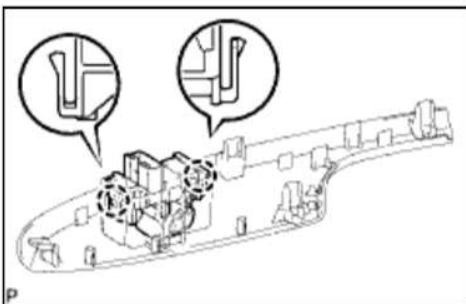


42. INSTALL POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY (for Driver Side with Power Window)



- (a) Install the power window regulator master switch assembly with the 3 screws.

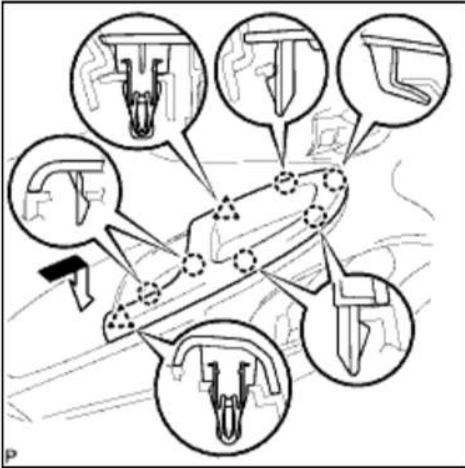
43. INSTALL POWER WINDOW REGULATOR SWITCH ASSEMBLY (for Front Passenger Side with Power Window)



- (a) Engage the 2 claws and install the power window regulator switch assembly.

44. INSTALL FRONT ARMREST UPPER BASE PANEL (w/o Power Window)

- (a) Engage the 2 clips and 6 claws, and install the front armrest upper base panel.

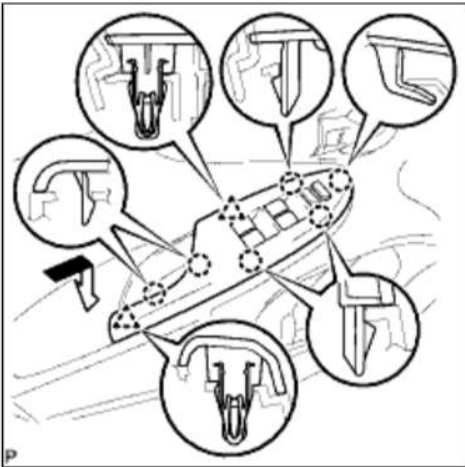


(b) w/ Power Door Lock:

(1) Connect the connector.

45. INSTALL FRONT ARMREST UPPER BASE PANEL (w/ Power Window)

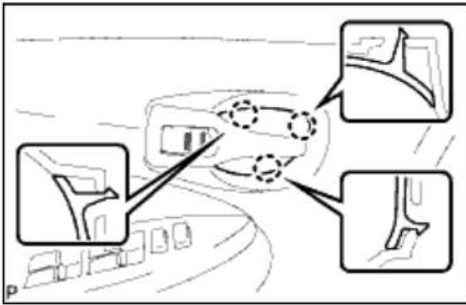
(a) Connect the connector.



(b) Engage the 2 clips and 6 claws, and install the front armrest upper base panel.

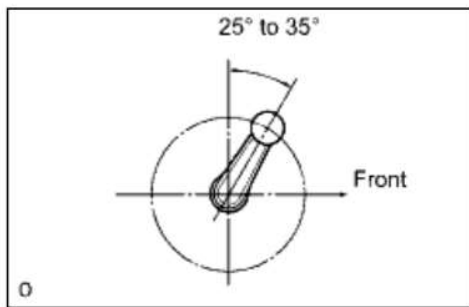
46. INSTALL FRONT DOOR INSIDE HANDLE BEZEL

(a) Engage the 3 claws and install the front door inside handle bezel.



47. INSTALL FRONT DOOR WINDOW REGULATOR HANDLE ASSEMBLY (w/o Power Window)

- (a) Temporarily install the front door window regulator handle assembly and fully close the window glass.
- (b) Install the front door regulator inside handle plate.
- (c) Install the snap ring to the front door window regulator handle assembly.



- (d) Install the front door window regulator handle assembly as shown in the illustration.

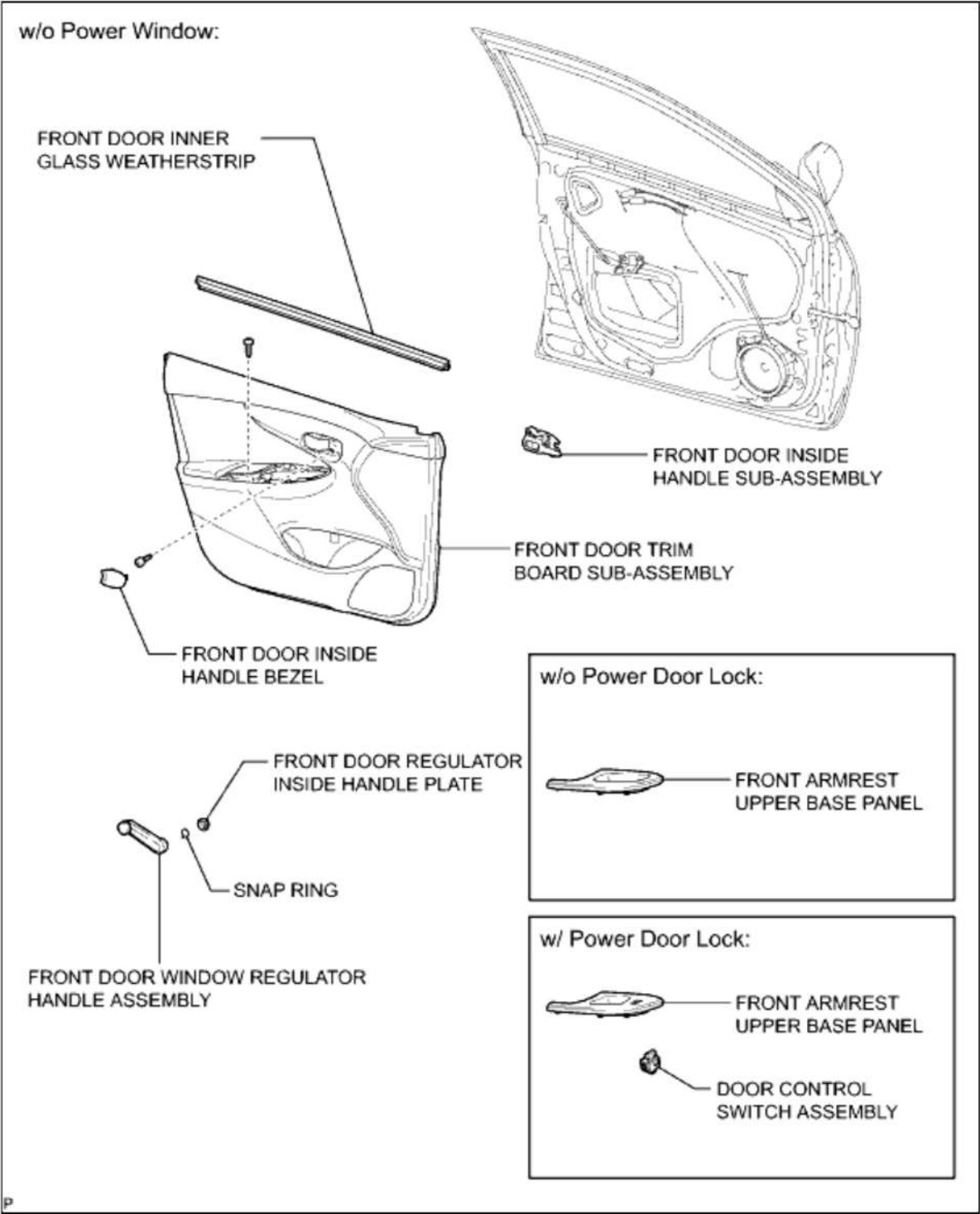
48. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL



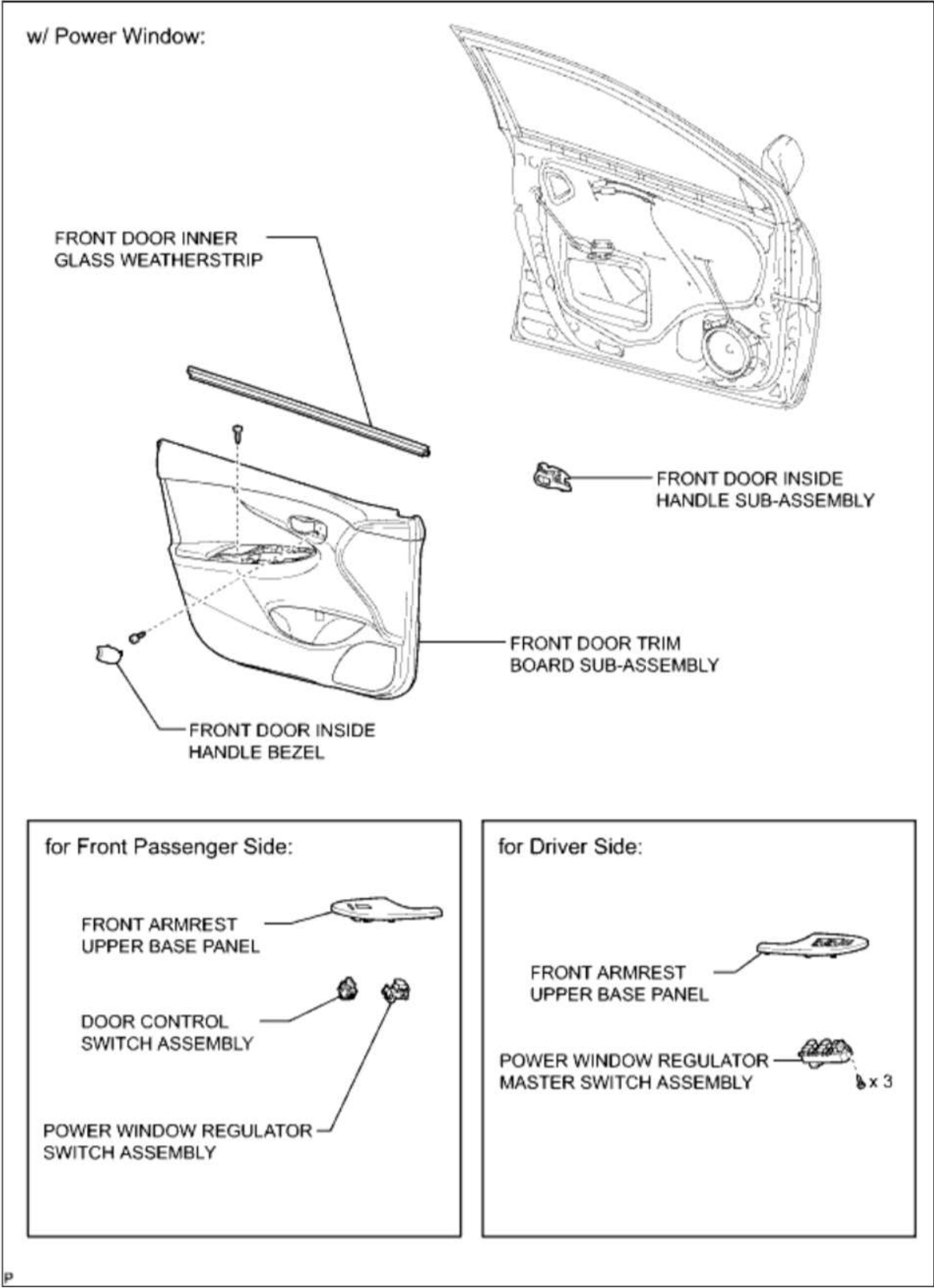
Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XBA02HX
Title: DOOR / HATCH: FRONT DOOR: COMPONENTS (2010 Corolla)		

COMPONENTS

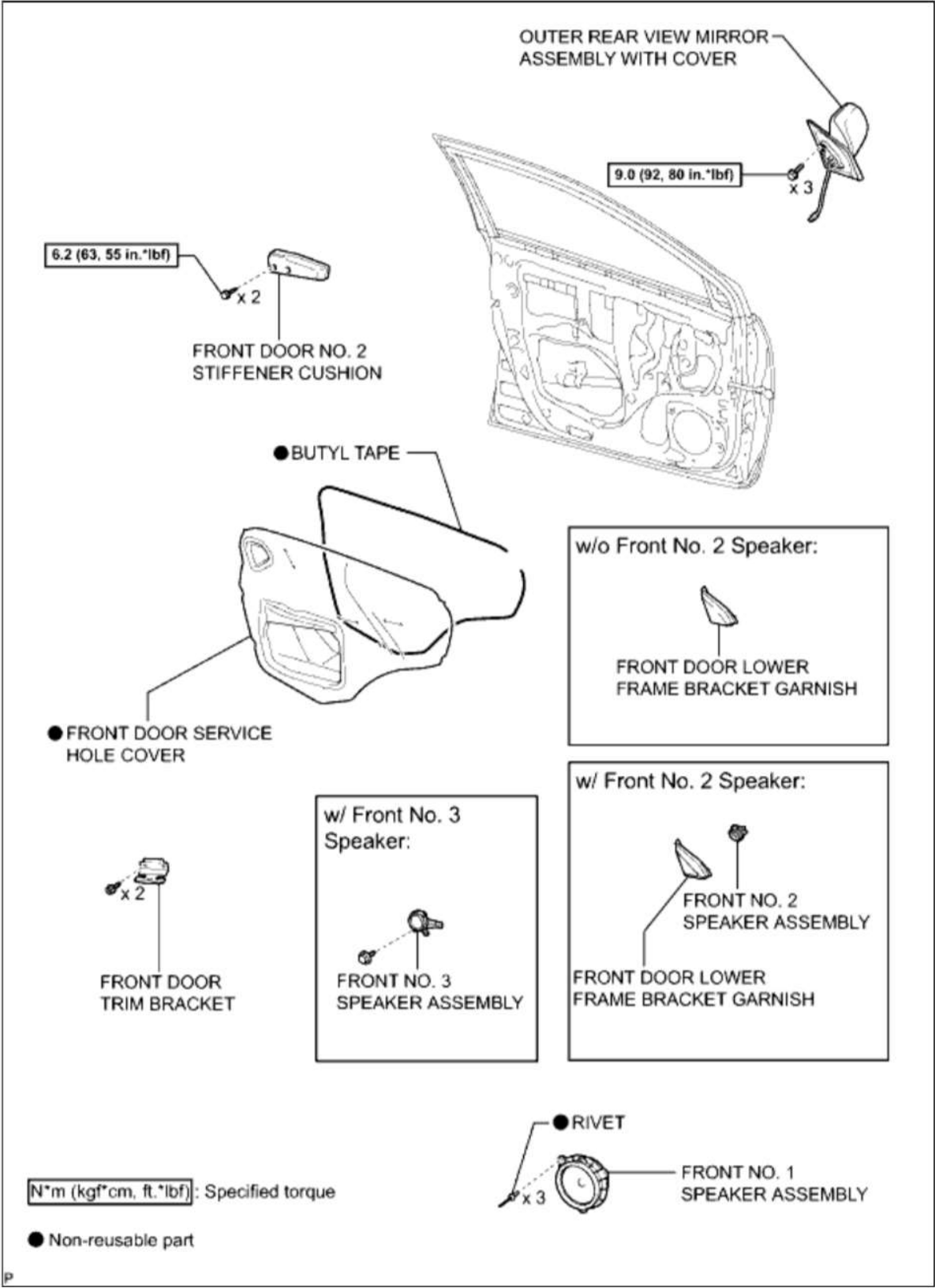
ILLUSTRATION



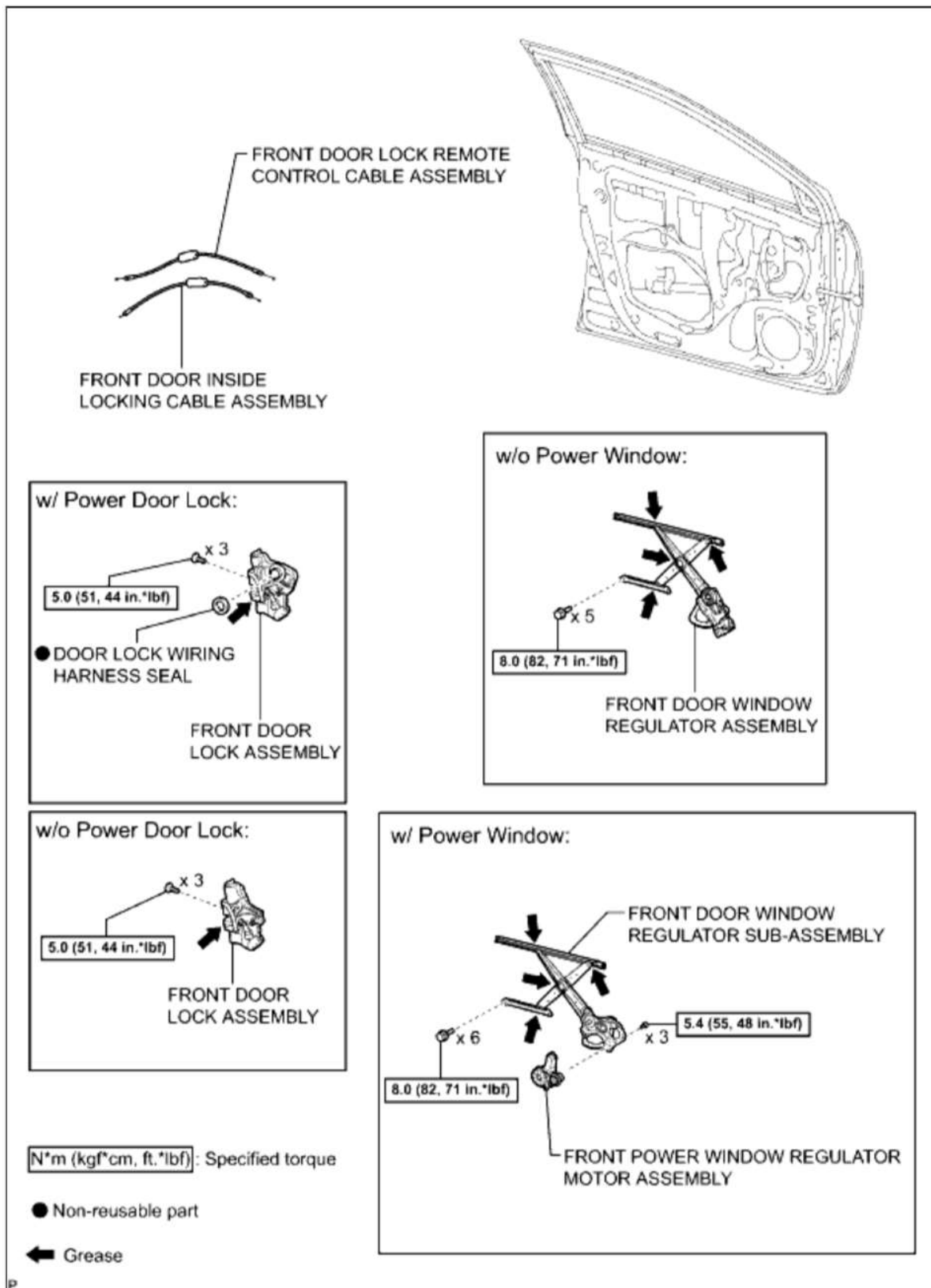
ILLUSTRATION



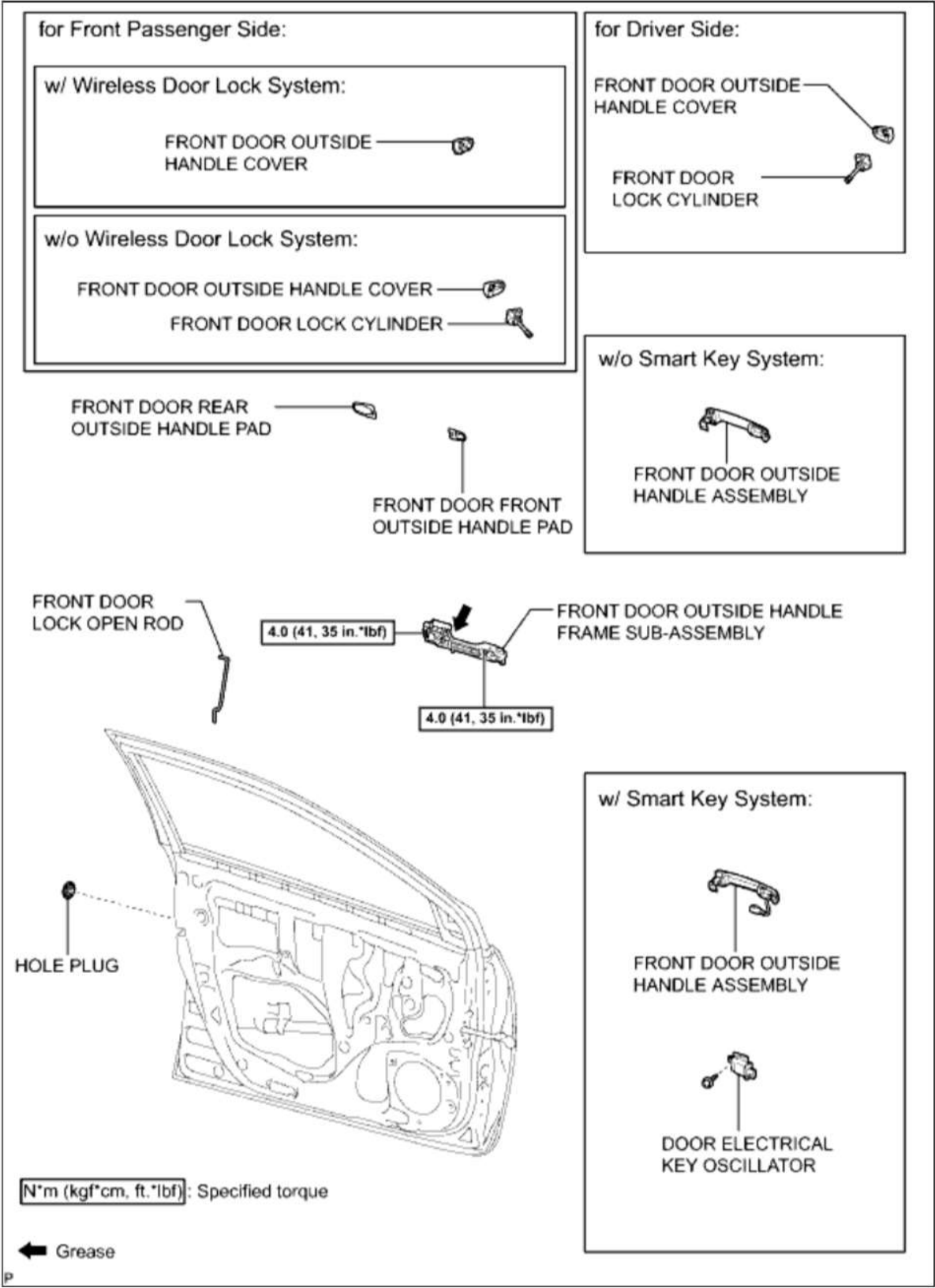
ILLUSTRATION



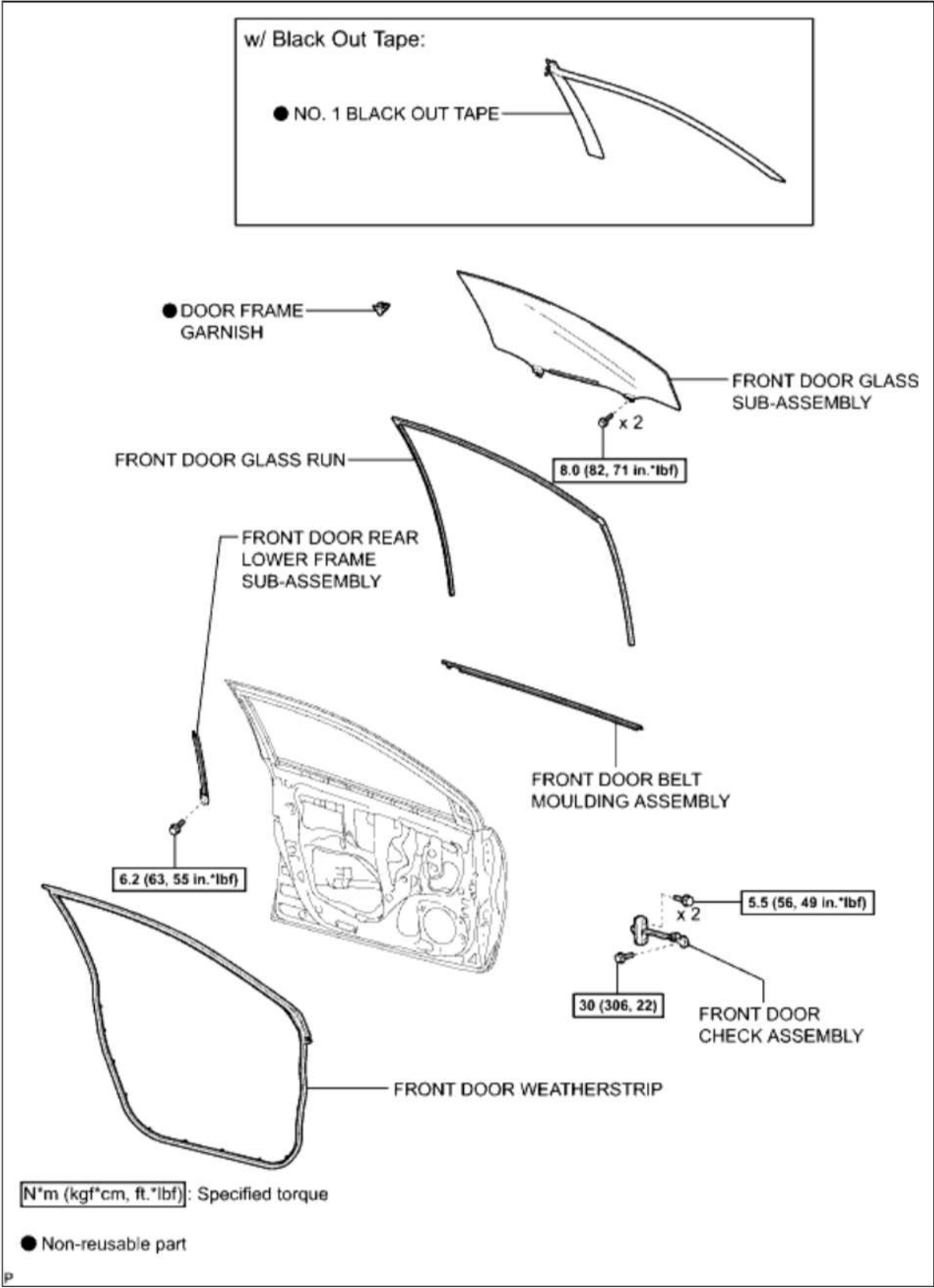
ILLUSTRATION



ILLUSTRATION



ILLUSTRATION

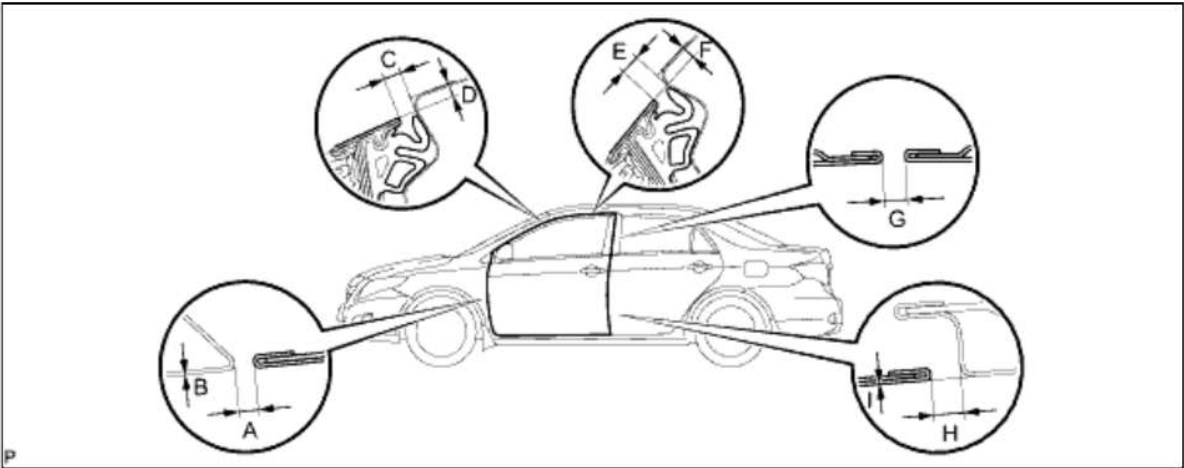


Last Modified: 3-10-2010	6.4 G	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XBC01ZX
Title: DOOR / HATCH: FRONT DOOR: ON-VEHICLE INSPECTION (2010 Corolla)		

ON-VEHICLE INSPECTION

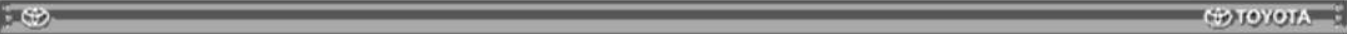
1. INSPECT FRONT DOOR PANEL SUB-ASSEMBLY

(a) Check that the clearance measurements of areas A through I are within each standard range.



Standard Clearance:

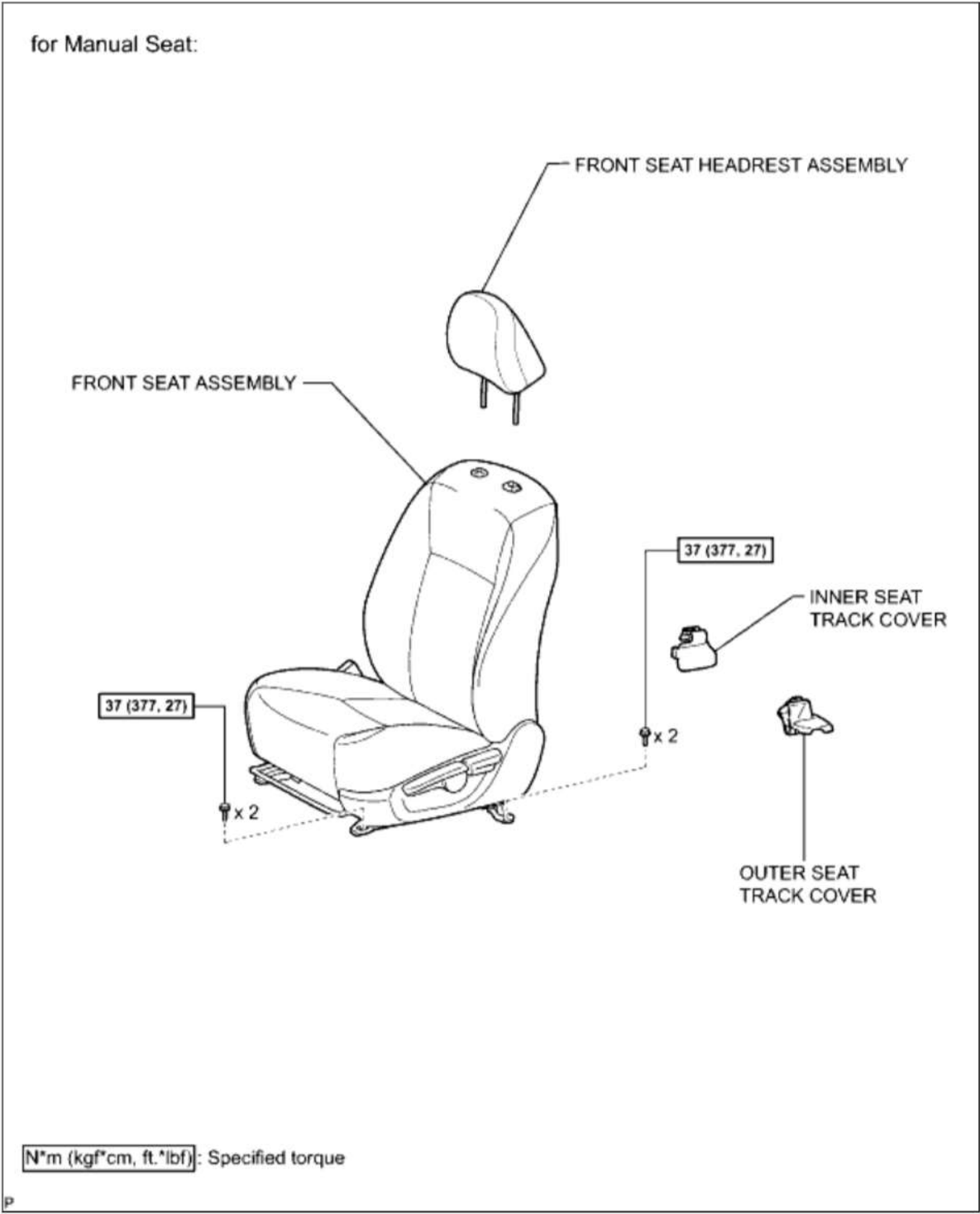
AREA	MEASUREMENT	AREA	MEASUREMENT
A	2.5 to 5.5 mm (0.0984 to 0.217 in.)	F	3.3 to 6.3 mm (0.130 to 0.248 in.)
B	-1.5 to 1.5 mm (-0.0591 to 0.0591 in.)	G	3.0 to 6.0 mm (0.118 to 0.236 in.)
C	3.8 to 6.8 mm (0.150 to 0.268 in.)	H	3.0 to 6.0 mm (0.118 to 0.236 in.)
D	3.1 to 6.1 mm (0.122 to 0.240 in.)	I	-1.5 to 1.5 mm (-0.0591 to 0.0591 in.)
E	3.8 to 6.8 mm (0.150 to 0.268 in.)	-	-



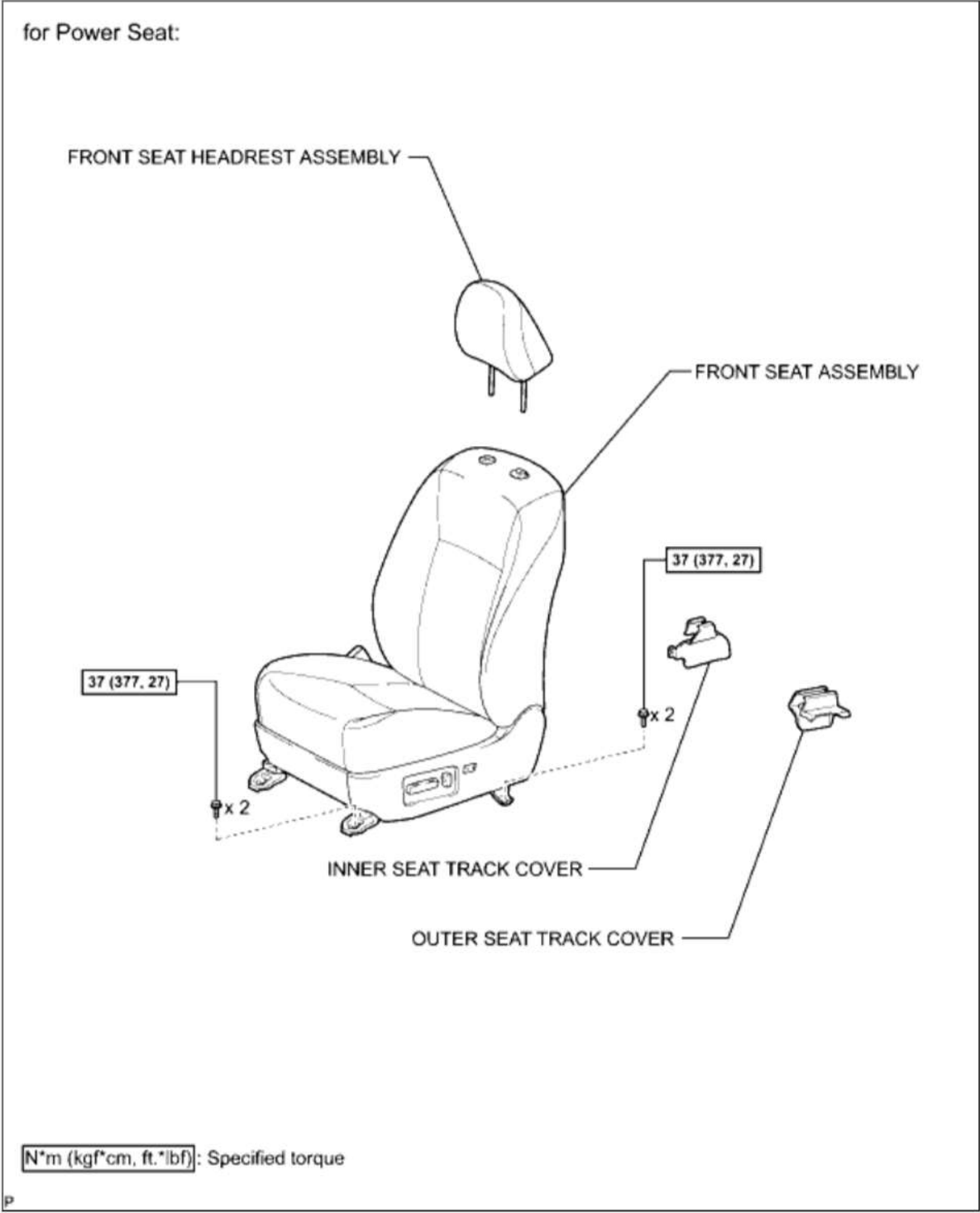
Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002W9G00LX
Title: DOOR / HATCH: FUEL LID LOCK CONTROL CABLE ASSEMBLY: COMPONENTS (2010 Corolla)		

[COMPONENTS](#)

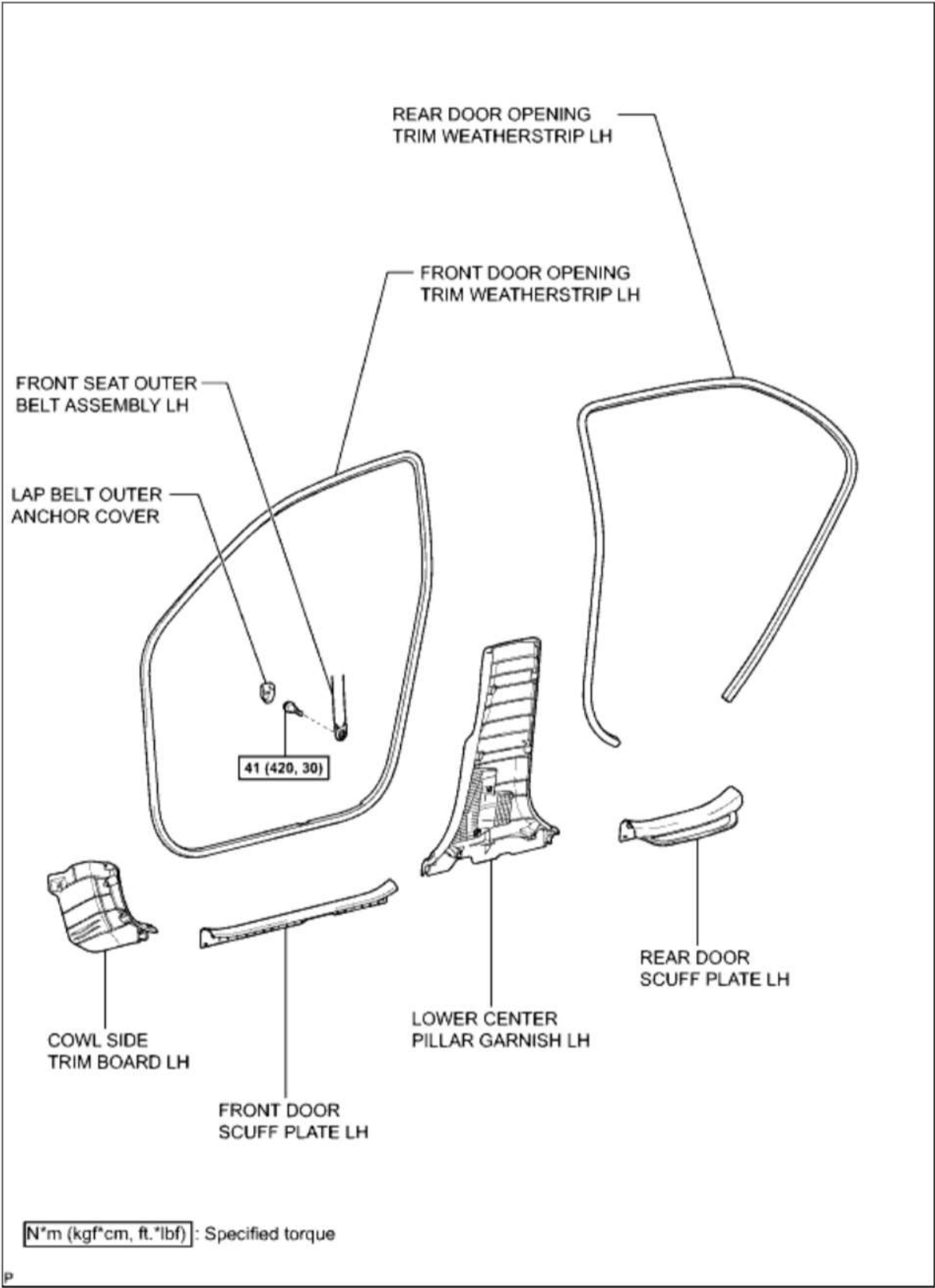
[ILLUSTRATION](#)



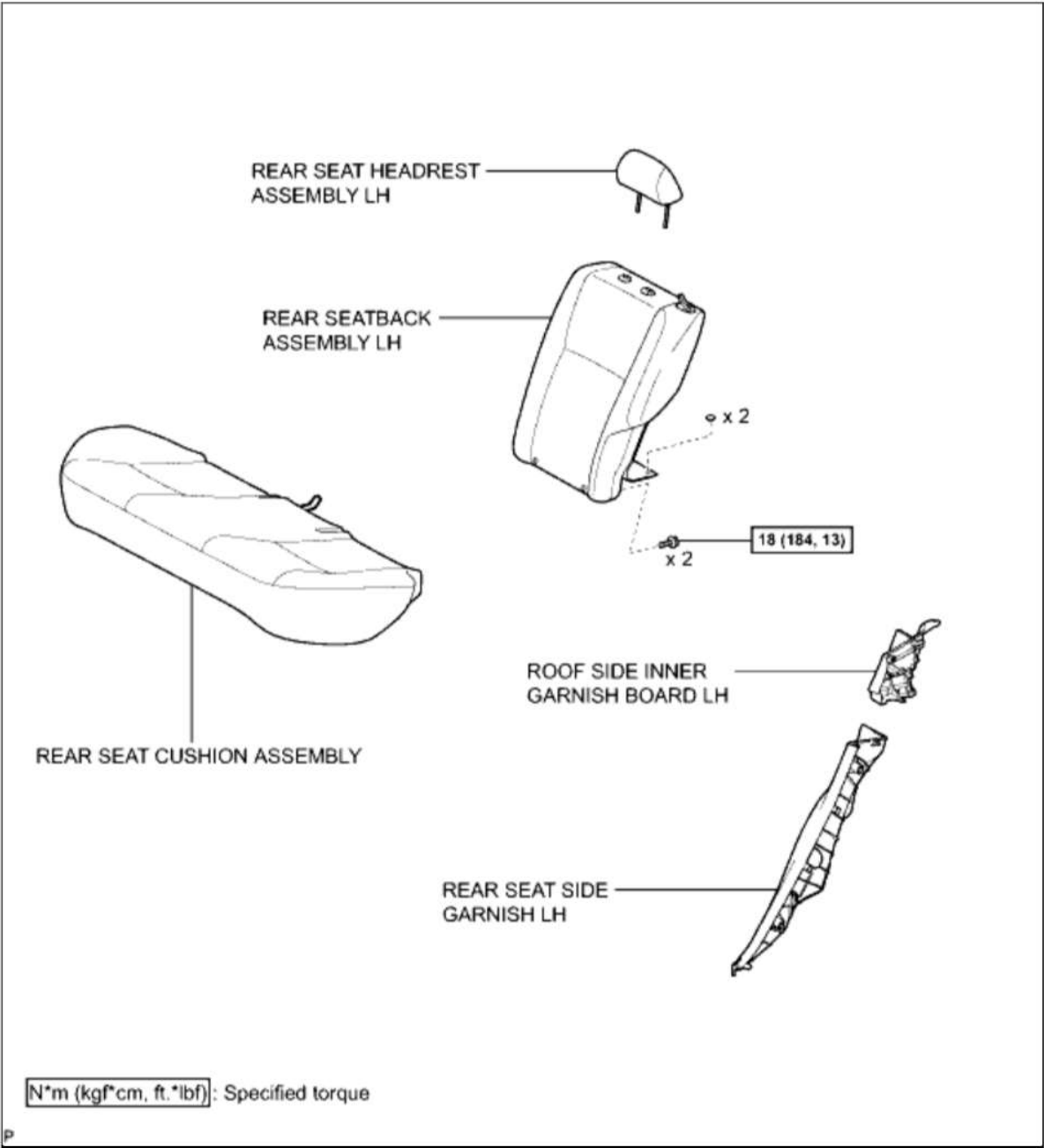
ILLUSTRATION



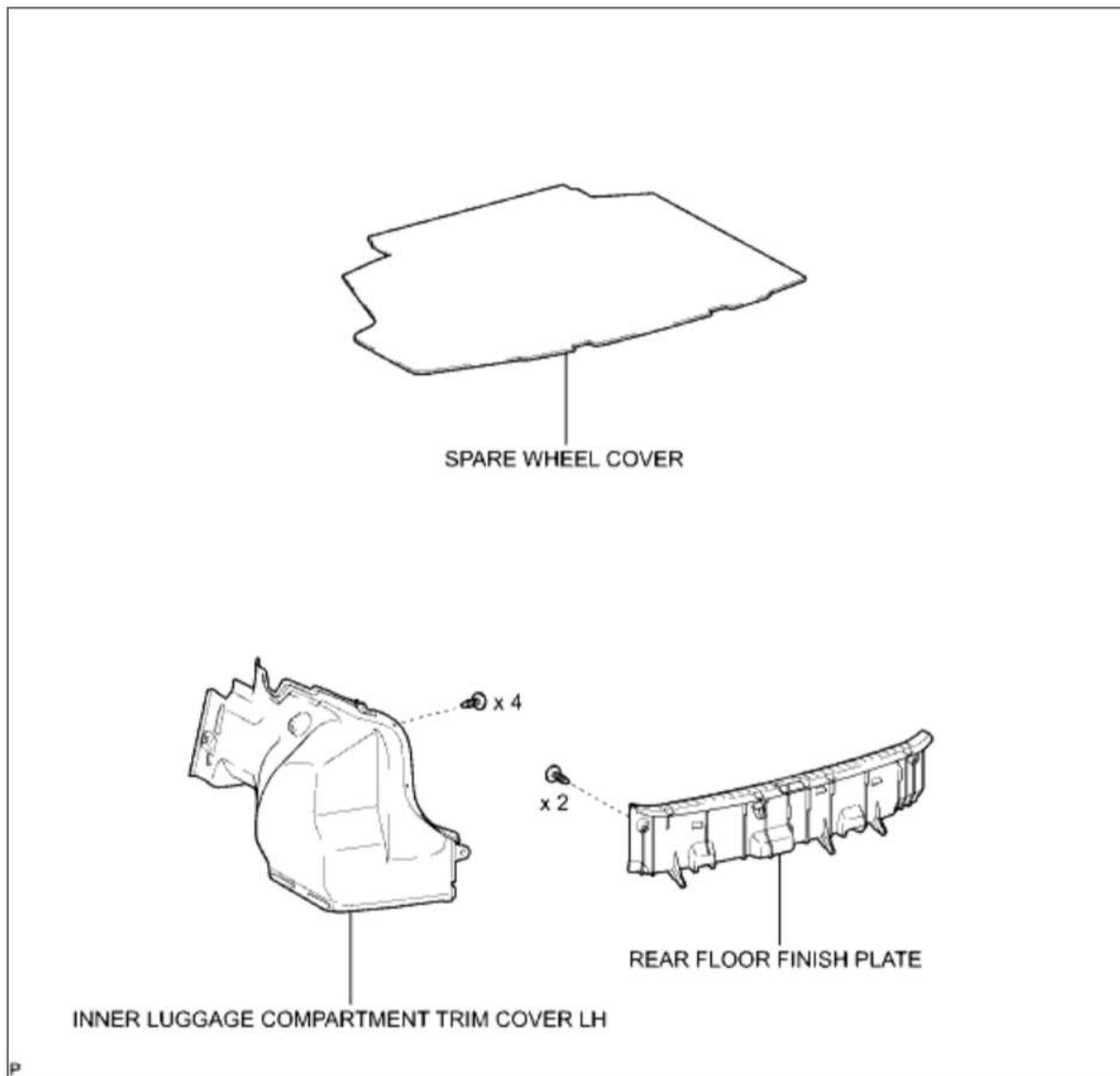
ILLUSTRATION



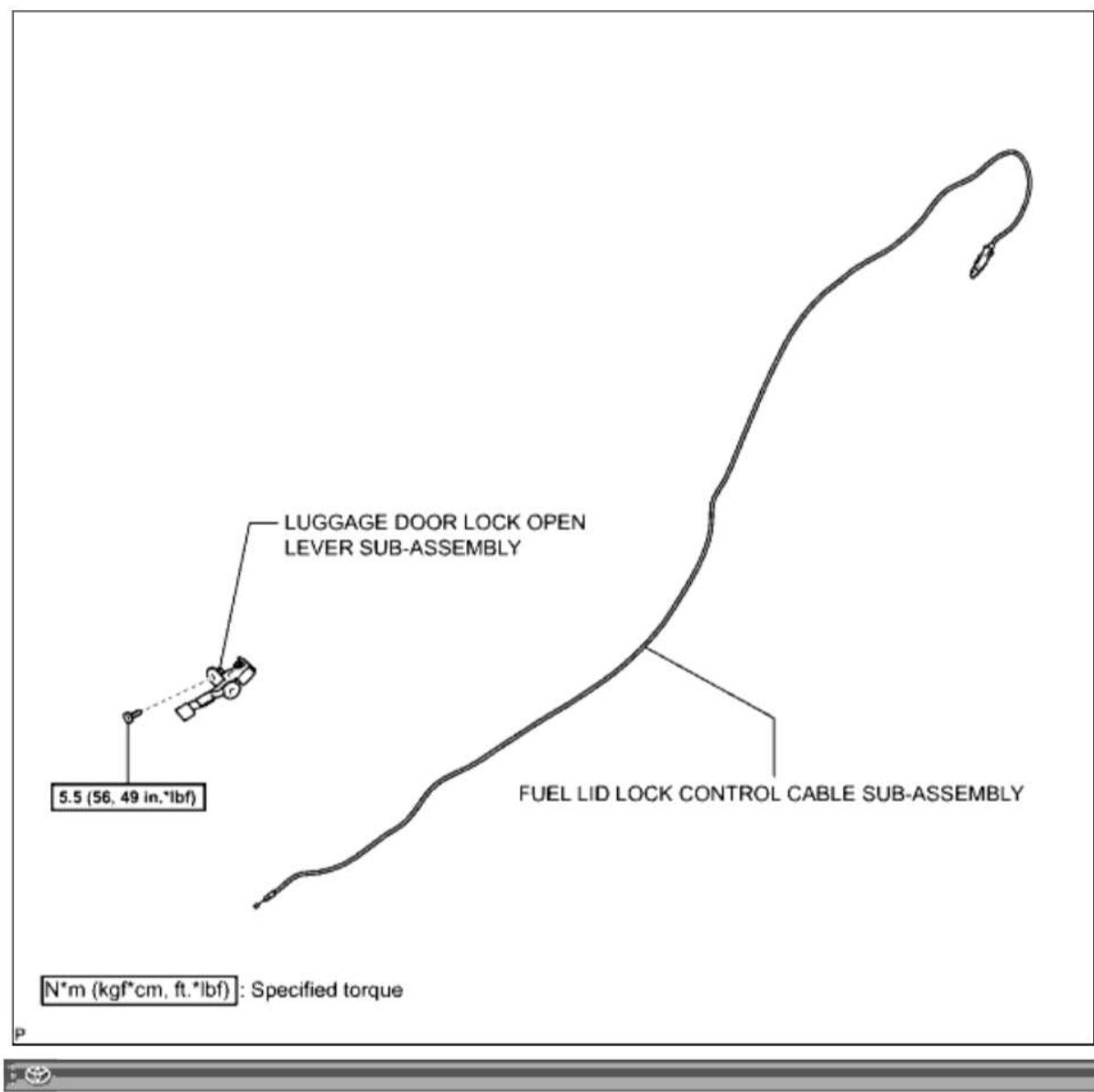
ILLUSTRATION



ILLUSTRATION

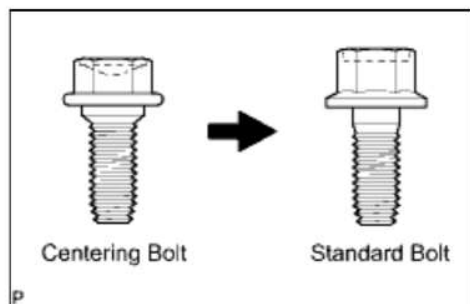


ILLUSTRATION



Last Modified: 3-10-2010	6.4 N	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XB802KX
Title: DOOR / HATCH: FRONT DOOR: ADJUSTMENT (2010 Corolla)		

ADJUSTMENT



CAUTION:

Before adjusting the door positions of vehicles equipped with side and curtain shield airbags, be sure to disconnect the battery. After adjustment, check that the SRS warning light is operating normally and there are no SRS DTCs output.

HINT:

- Use the same procedure for the RH side and LH side.
- The procedure listed below is for the LH side.
- Centering bolts are used to mount the door hinge to the vehicle body and door. The door cannot be adjusted with the centering bolts installed on it. Substitute the centering bolts with standard bolts when making adjustments.
- Specified torque for standard bolts is shown in the standard bolt chart [INFO](#).

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

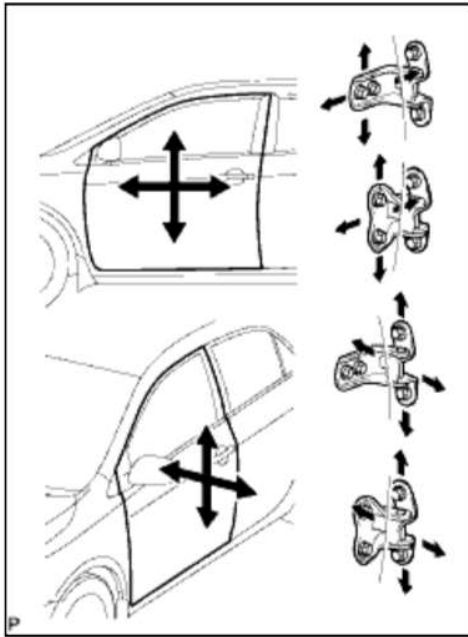
CAUTION:

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

2. ADJUST FRONT DOOR

- (a) Using SST, loosen the hinge bolts on the vehicle body and adjust the door position.

SST: 09812-00010



(b) Tighten the hinge bolts on the vehicle body after the adjustment.

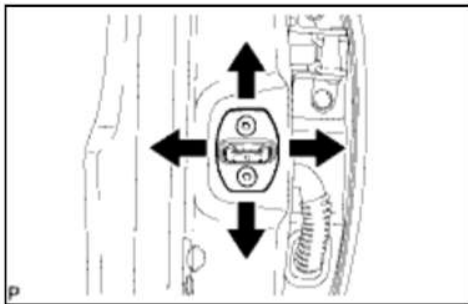
Torque: 26 N·m (265 kgf·cm, 19ft·lbf)

(c) Loosen the hinge bolts on the door and adjust the door position.

(d) Tighten the hinge bolts on the door after the adjustment.

Unpainted door hinge installation surface (door panel side) - Torque: 26 N·m (265 kgf·cm, 19ft·lbf)

Painted door hinge installation surface (door panel side) - Torque: 34 N·m (347 kgf·cm, 25ft·lbf)



(e) Adjust the striker position by slightly loosening the striker mounting screws with a "TORX" socket wrench (T40) and hitting the striker with a plastic hammer.

(f) Using a "TORX" socket wrench (T40), tighten the striker mounting screws after the adjustment.

Torque: 23 N·m (235 kgf·cm, 17ft·lbf)

3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

4. INSPECT SRS WARNING LIGHT



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002W9H00PX
Title: DOOR / HATCH: FUEL LID LOCK CONTROL CABLE ASSEMBLY: REMOVAL (2010 Corolla)		

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL (w/ Front Seat Side Airbag)

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 DOOR SCUFF PLATE LH

11. REMOVE COWL SIDE TRIM BOARD LH

12. REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP LH

13. REMOVE REAR DOOR SCUFF PLATE LH

14. REMOVE REAR DOOR OPENING TRIM WEATHERSTRIP LH

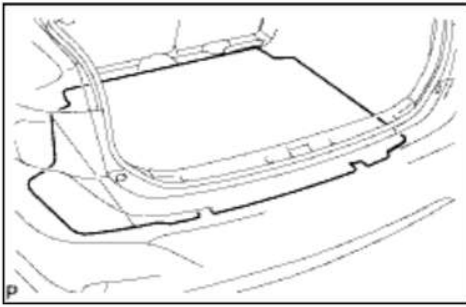
15. REMOVE LAP BELT OUTER ANCHOR COVER

16. DISCONNECT FRONT SEAT OUTER BELT ASSEMBLY LH

17. REMOVE LOWER CENTER PILLAR GARNISH LH

18. REMOVE SPARE WHEEL COVER

(a) Remove the spare wheel cover.



19. REMOVE REAR SEAT HEADREST ASSEMBLY LH

20. REMOVE REAR SEAT CUSHION ASSEMBLY INFO

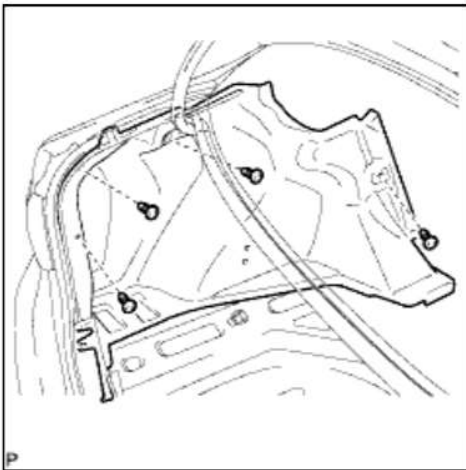
21. REMOVE REAR SEATBACK ASSEMBLY LH INFO

22. REMOVE REAR SEAT SIDE GARNISH LH INFO

23. REMOVE ROOF SIDE INNER GARNISH BOARD LH INFO

24. REMOVE REAR FLOOR FINISH PLATE INFO

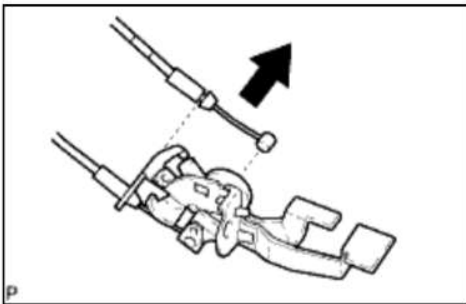
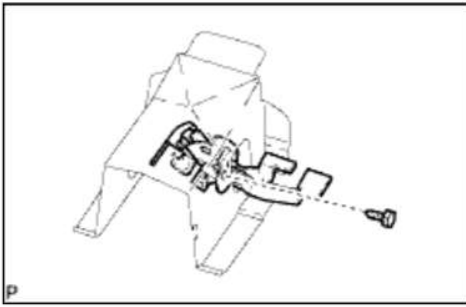
25. REMOVE INNER LUGGAGE COMPARTMENT TRIM COVER LH



(a) Remove the 4 clips and inner luggage compartment trim cover LH.

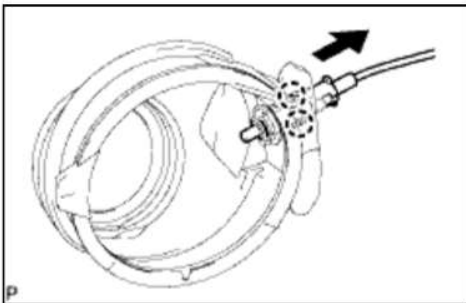
26. DISCONNECT LUGGAGE DOOR LOCK OPEN LEVER SUB-ASSEMBLY

(a) Remove the bolt.



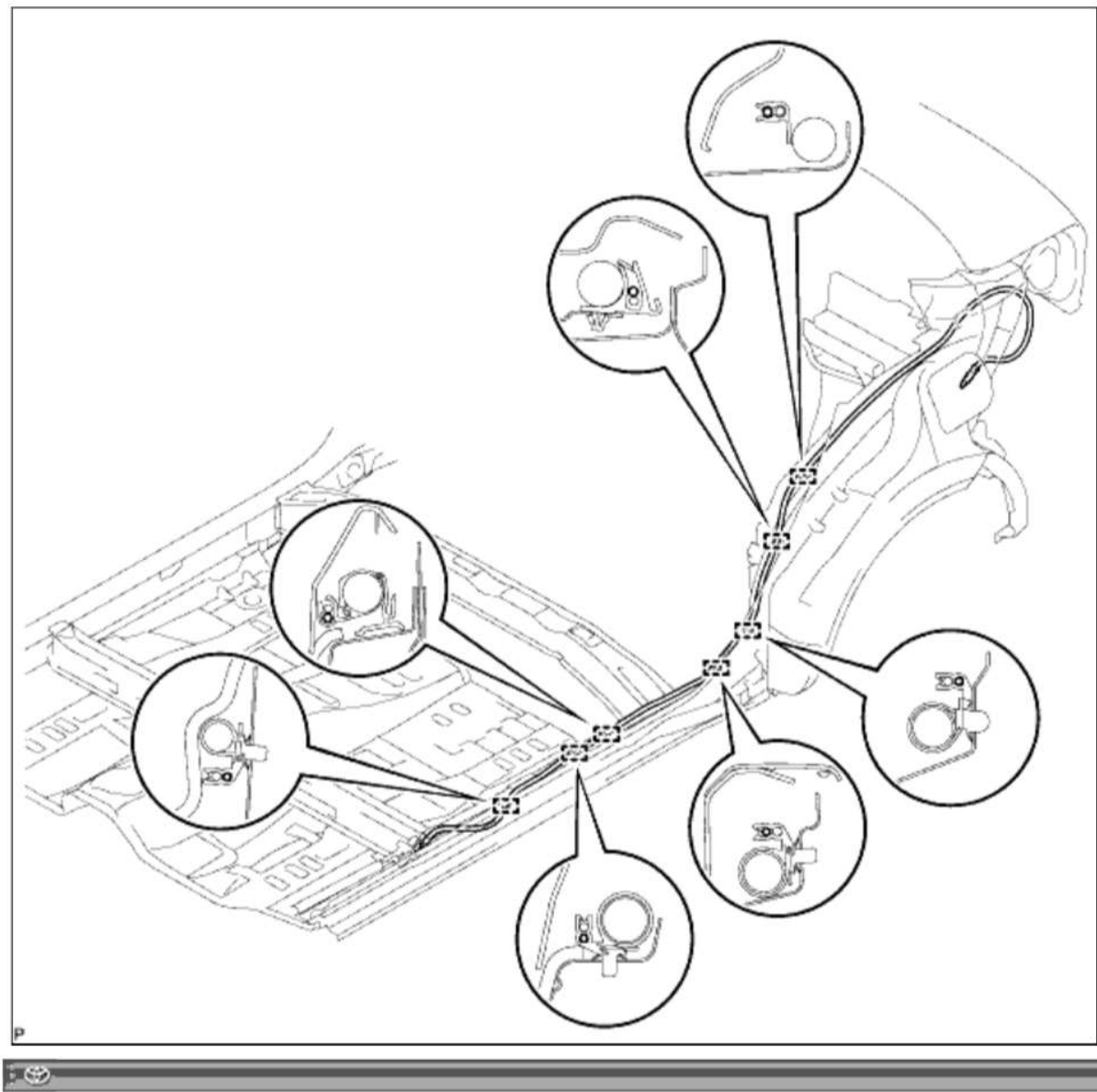
(b) Disconnect the fuel lid lock control cable sub-assembly and the luggage door lock open lever sub-assembly as shown in the illustration.

27. REMOVE FUEL LID LOCK CONTROL CABLE SUB-ASSEMBLY



(a) Disengage the 2 claws and disconnect the fuel lid lock control cable sub-assembly.

(b) Disengage the 7 clamps and remove the fuel lid lock control cable sub-assembly.



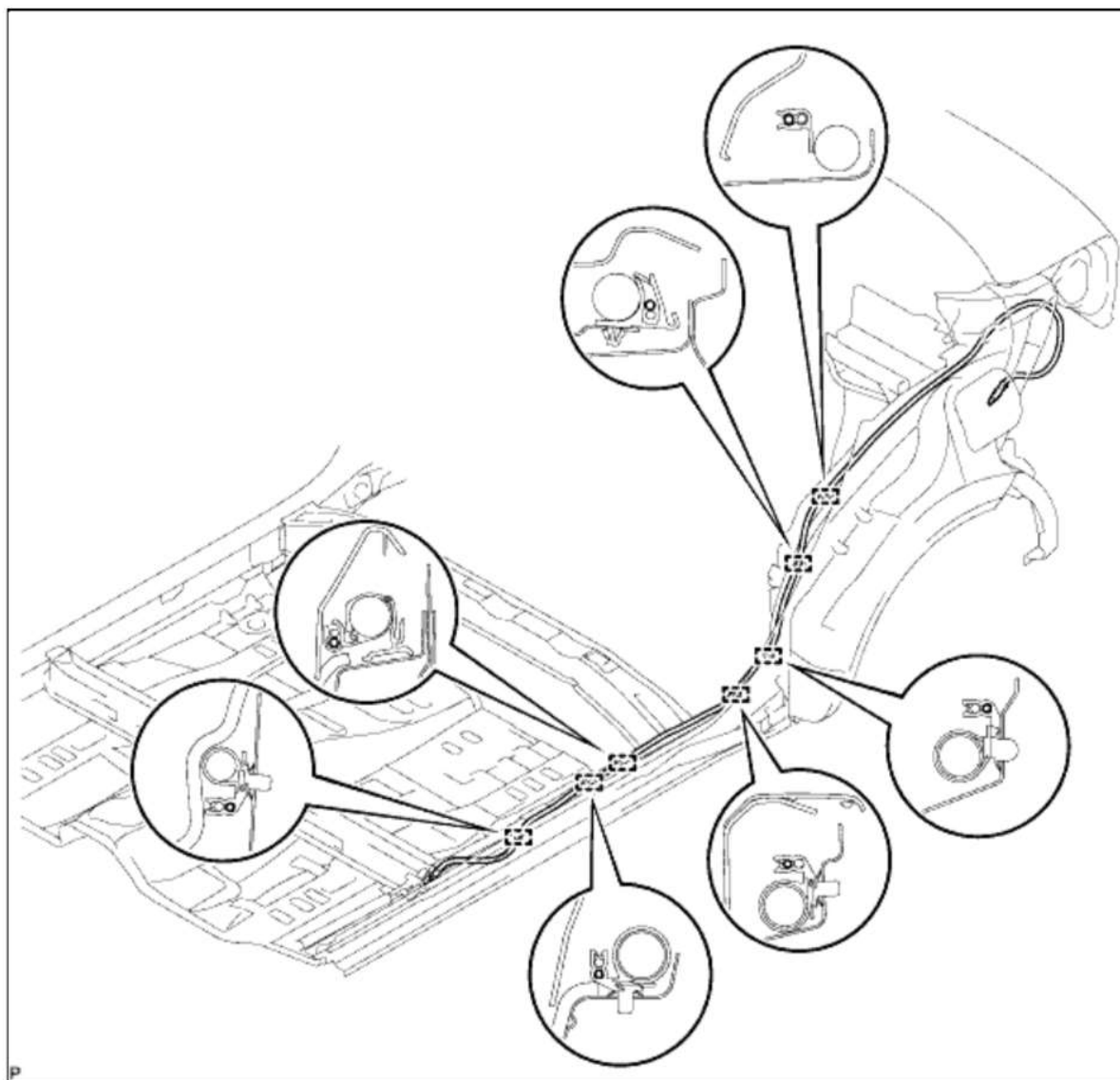
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Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002W9F00PX
Title: DOOR / HATCH: FUEL LID LOCK CONTROL CABLE ASSEMBLY: INSTALLATION (2010 Corolla)		

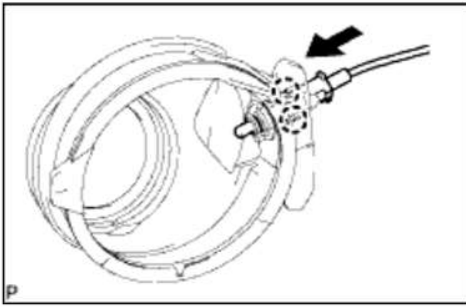
INSTALLATION

1. INSTALL FUEL LID LOCK CONTROL CABLE SUB-ASSEMBLY

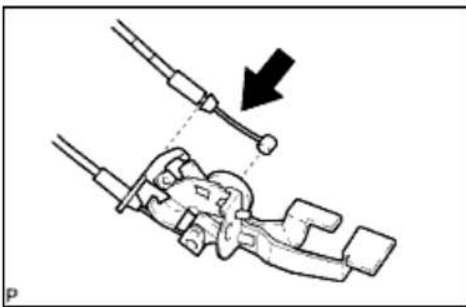
(a) Engage the 7 clamps.



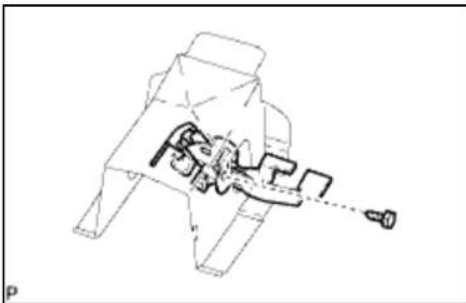
(b) Engage the 2 claws and connect the fuel lid lock control cable sub-assembly.



2. CONNECT LUGGAGE DOOR LOCK OPEN LEVER SUB-ASSEMBLY



(a) Connect the fuel lid lock control cable sub-assembly.

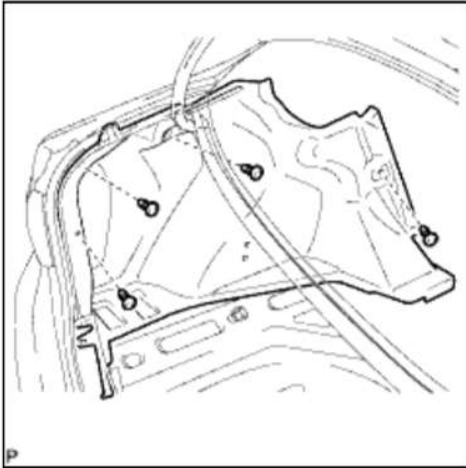
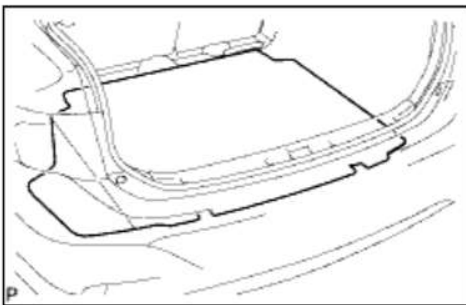


(b) Install the luggage door lock open lever sub-assembly with the bolt.

Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)

3. INSTALL INNER LUGGAGE COMPARTMENT TRIM COVER LH

(a) Install the inner luggage compartment trim cover LH with the 4 clips.

**4. INSTALL REAR FLOOR FINISH PLATE****5. INSTALL ROOF SIDE INNER GARNISH BOARD LH****6. INSTALL REAR SEAT SIDE GARNISH LH****7. INSTALL REAR SEATBACK ASSEMBLY LH****8. INSTALL REAR SEAT CUSHION ASSEMBLY****9. INSTALL REAR SEAT HEADREST ASSEMBLY LH****10. INSTALL SPARE WHEEL COVER**

(a) Install the spare wheel cover.

11. INSTALL LOWER CENTER PILLAR GARNISH LH**12. CONNECT FRONT SEAT OUTER BELT ASSEMBLY LH****13. INSTALL LAP BELT OUTER ANCHOR COVER****14. INSTALL REAR DOOR OPENING TRIM WEATHERSTRIP LH****15. INSTALL REAR DOOR SCUFF PLATE LH****16. INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP LH**

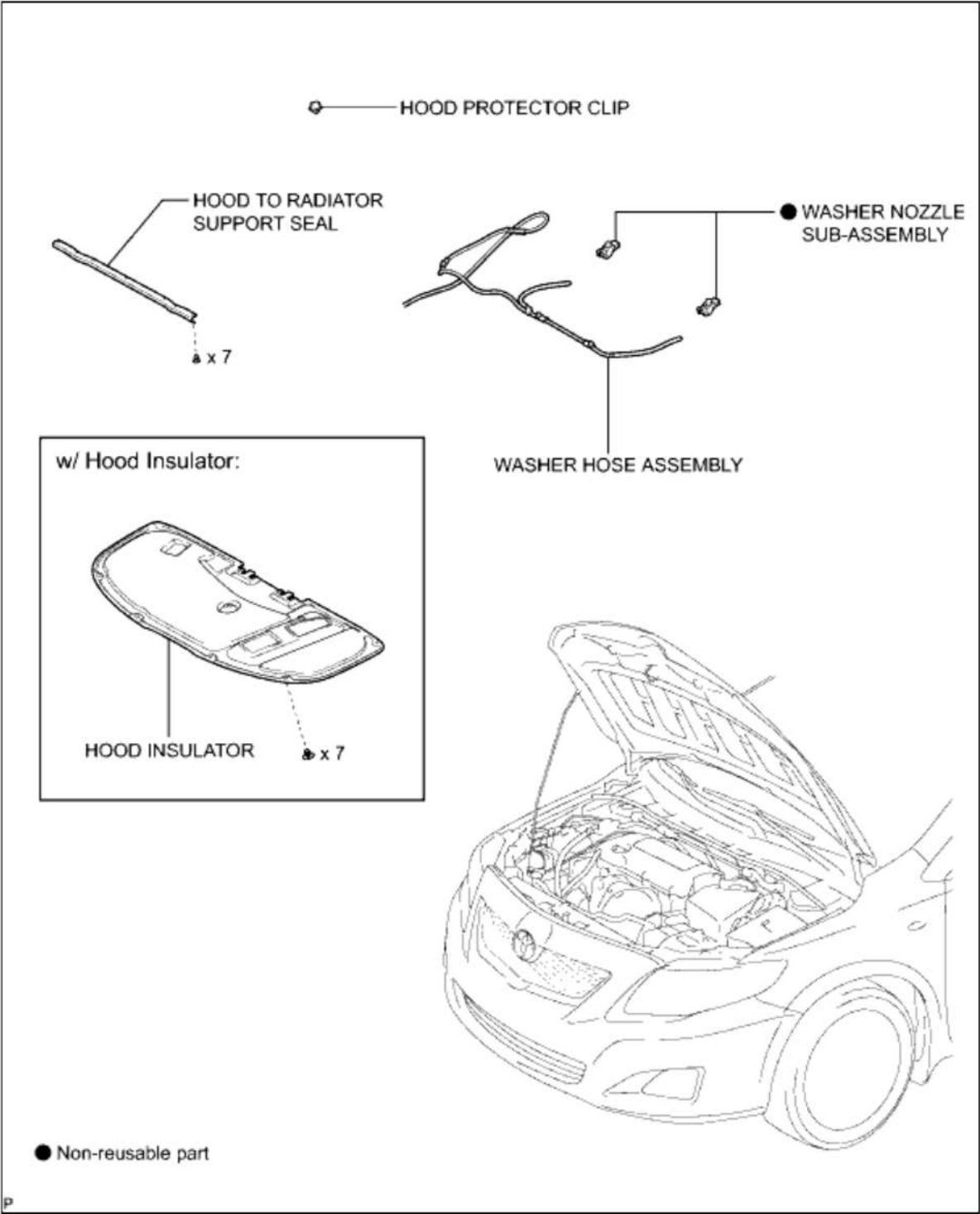
17. INSTALL COWL SIDE TRIM BOARD LH 
18. INSTALL FRONT DOOR SCUFF PLATE LH 
19. INSTALL FRONT SEAT ASSEMBLY (for Manual Seat) 
20. INSPECT FRONT SEAT SLIDE ADJUSTER LOCK (for Manual Seat) 
21. INSTALL INNER SEAT TRACK COVER (for Manual Seat) 
22. INSTALL OUTER SEAT TRACK COVER (for Manual Seat) 
23. INSTALL FRONT SEAT HEADREST ASSEMBLY (for Manual Seat)
24. INSTALL FRONT SEAT ASSEMBLY (for Power Seat) 
25. INSTALL INNER SEAT TRACK COVER (for Power Seat) 
26. INSTALL OUTER SEAT TRACK COVER (for Power Seat) 
27. INSTALL FRONT SEAT HEADREST ASSEMBLY (for Power Seat)
28. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL (w/ Front Seat Side Airbag)
29. INSPECT SRS WARNING LIGHT (w/ Front Seat Side Airbag)
- 
30. INSPECT FRONT SEAT ASSEMBLY (for Power Seat) 



Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002Y4O00DX
Title: DOOR / HATCH: HOOD: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION





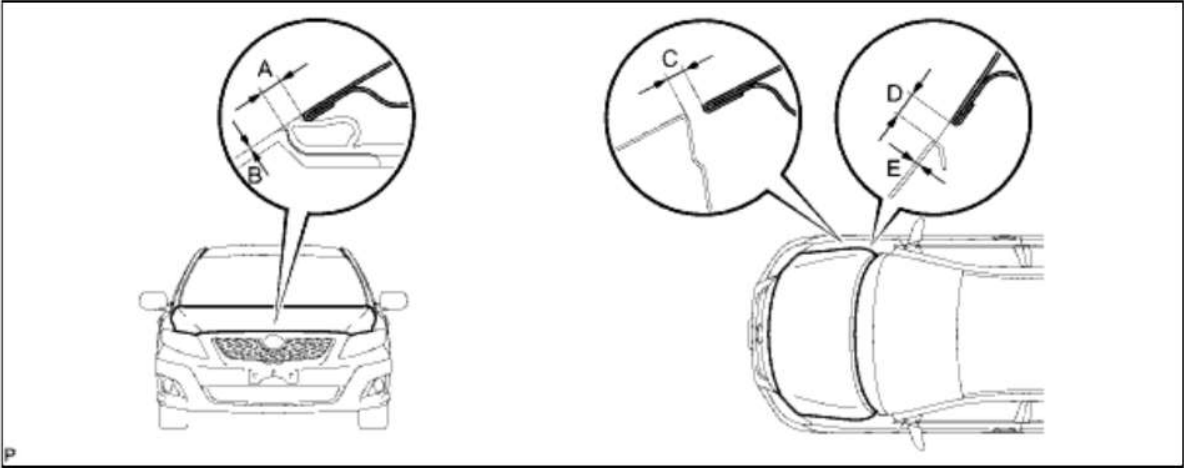
cardiagn.com

Last Modified: 3-10-2010	6.4 G	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XB7020X
Title: DOOR / HATCH: HOOD: ON-VEHICLE INSPECTION (2010 Corolla)		

ON-VEHICLE INSPECTION

1. INSPECT HOOD SUB-ASSEMBLY

(a) Check that the clearance measurements of areas A through E are within each standard range.



Standard Clearance:

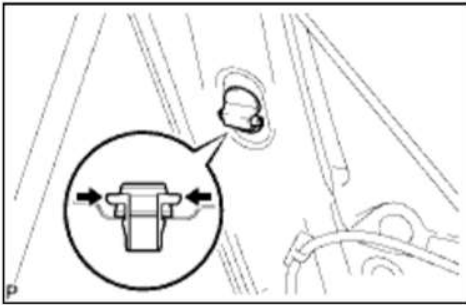
AREA	MEASUREMENT	AREA	MEASUREMENT
A	3.1 to 6.1 mm (0.122 to 0.240 in.)	D	4.8 mm (0.189 in.)
B	-1.5 to 1.5 mm (-0.0591 to 0.0591 in.)	E	0.7 mm (0.0276 in.)
C	2.3 to 5.3 mm (0.0906 to 0.209 in.)	-	-



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002Y4P00DX
Title: DOOR / HATCH: HOOD: DISASSEMBLY (2010 Corolla)		

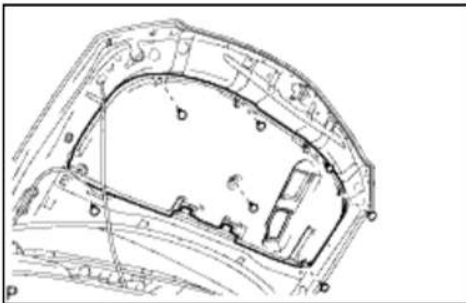
DISASSEMBLY

1. REMOVE HOOD PROTECTOR CLIP



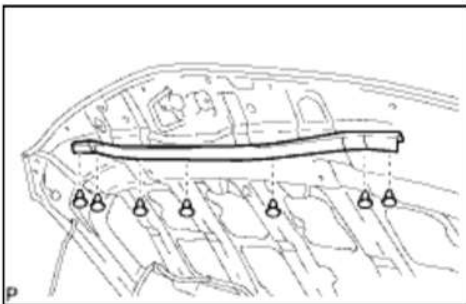
(a) Disengage the 2 claws and remove the hood protector clip as shown in the illustration.

2. REMOVE HOOD INSULATOR (w/ Hood Insulator)



(a) Using a clip remover, remove the 7 clips and the hood insulator.

3. REMOVE HOOD TO RADIATOR SUPPORT SEAL

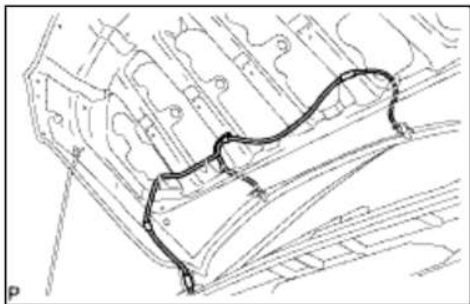


(a) Using a clip remover, remove the 7 clips and the hood to radiator support seal.

4. REMOVE WASHER NOZZLE SUB-ASSEMBLY



5. DISCONNECT WASHER HOSE ASSEMBLY

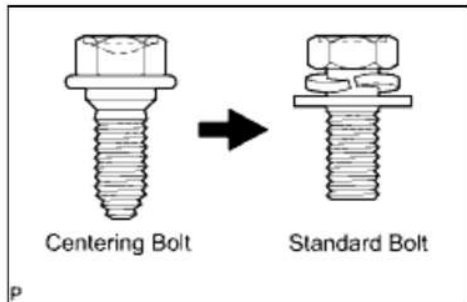


(a) Disconnect the washer hose assembly.



Last Modified: 3-10-2010	6.4 N	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XB502CX
Title: DOOR / HATCH: HOOD: ADJUSTMENT (2010 Corolla)		

ADJUSTMENT

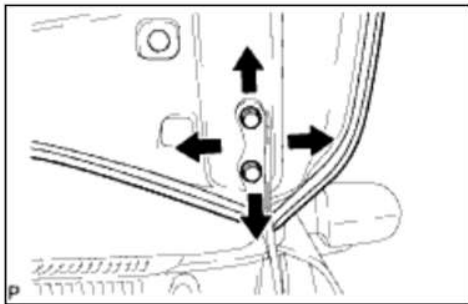


HINT:

- Centering bolts are used to mount the hood hinge and hood lock. The hood and hood lock cannot be adjusted with the centering bolts installed. Substitute the centering bolts with standard bolts (with washers) when making adjustments.
- Specified torque for standard bolts is shown in the standard bolt chart [INFO](#).

1. ADJUST HOOD SUB-ASSEMBLY

(a) Horizontally and vertically adjust the hood.



(1) Loosen the 4 hinge bolts of the hood.

(2) Adjust the clearance between the hood and front fender by moving the hood.

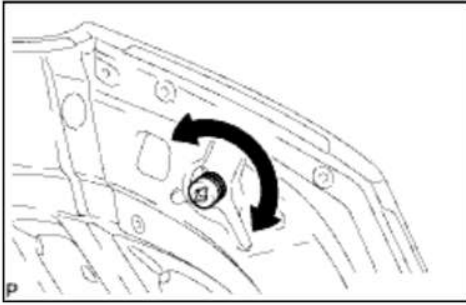
(3) Tighten the 4 hinge bolts after the adjustment.

Torque: 13 N·m (133 kgf·cm, 10ft·lbf)

(b) Adjust the height of the front end of the hood using the cushion rubber.

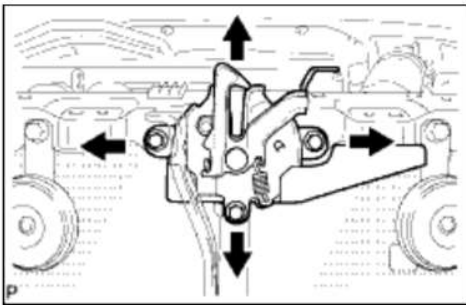
(1) Adjust the cushion rubber so that the heights of the hood and fender are aligned.

HINT:



Raise or lower the front end of the hood by turning the cushion rubber.

(c) Adjust the hood lock.



(1) Loosen the 3 bolts.

(2) Tighten the bolts after the adjustment.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

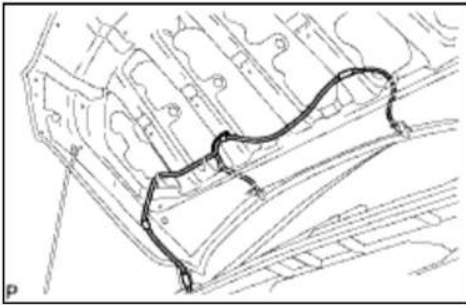
(3) Check that the striker engages the hood lock smoothly.



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000002Y4Q00DX
Title: DOOR / HATCH: HOOD: REASSEMBLY (2010 Corolla)		

REASSEMBLY

1. CONNECT WASHER HOSE ASSEMBLY

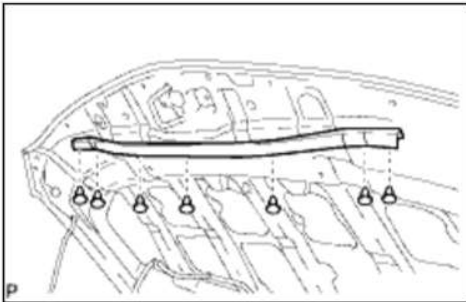


(a) Connect the washer hose assembly.

2. ADJUST WASHER NOZZLE SUB-ASSEMBLY

3. INSTALL WASHER NOZZLE SUB-ASSEMBLY

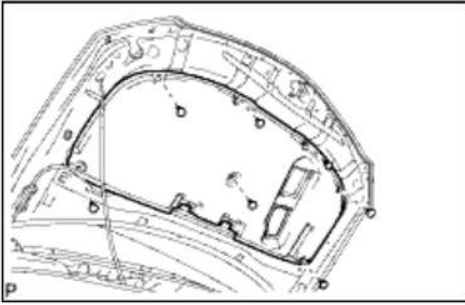
4. INSTALL HOOD TO RADIATOR SUPPORT SEAL



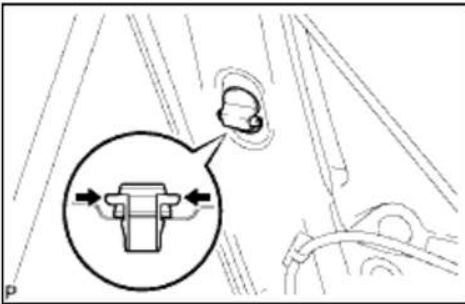
(a) Install the hood to radiator support seal with the 7 clips.

5. INSTALL HOOD INSULATOR (w/ Hood Insulator)

(a) Install the hood insulator with the 7 clips.

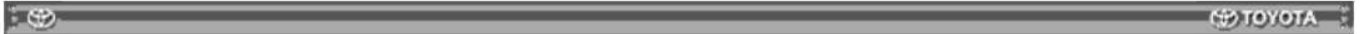


6. INSTALL HOOD PROTECTOR CLIP



(a) Engage the 2 claws and install the hood protector clip.

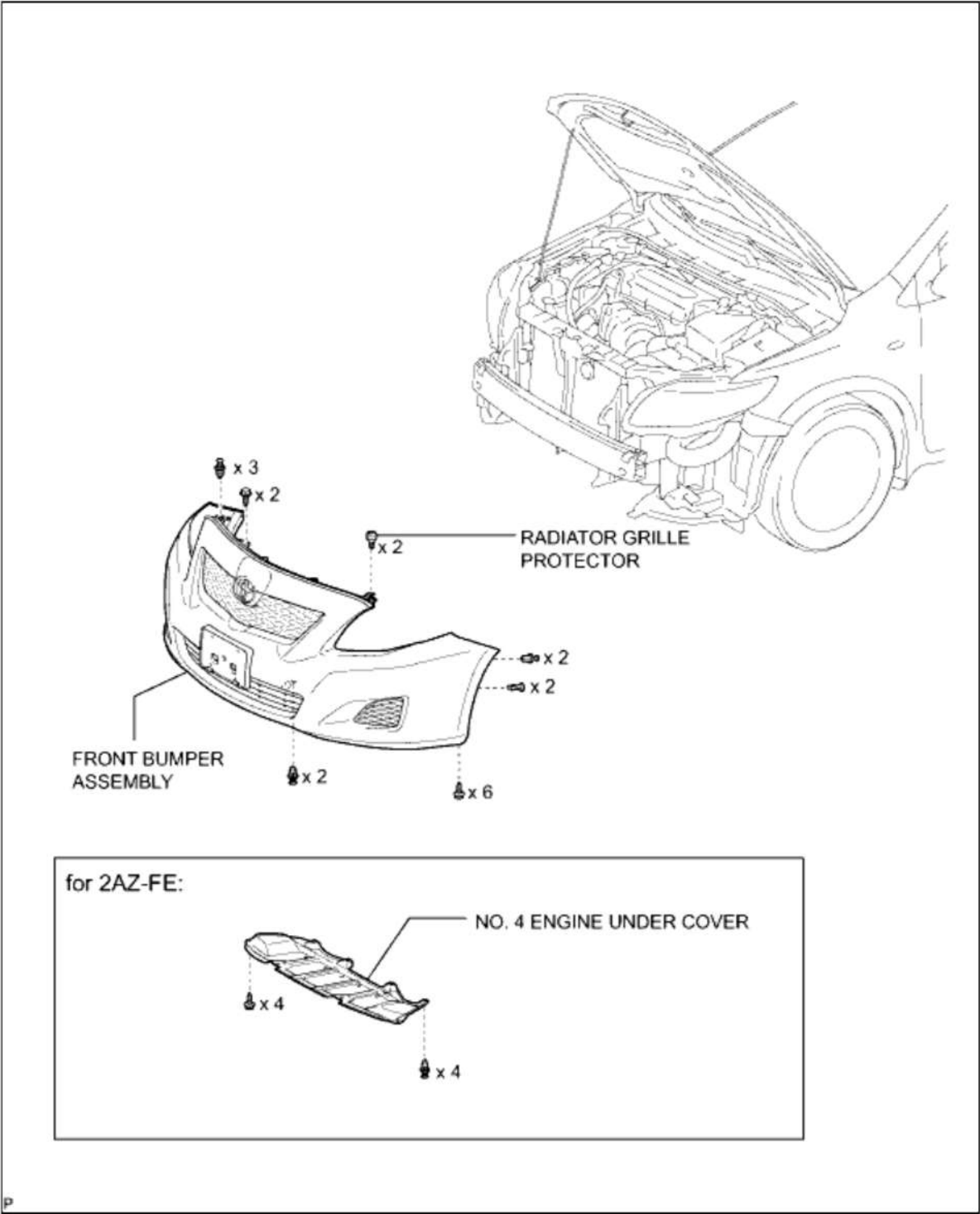
7. INSPECT WASHER NOZZLE SUB-ASSEMBLY

[INFO](#)

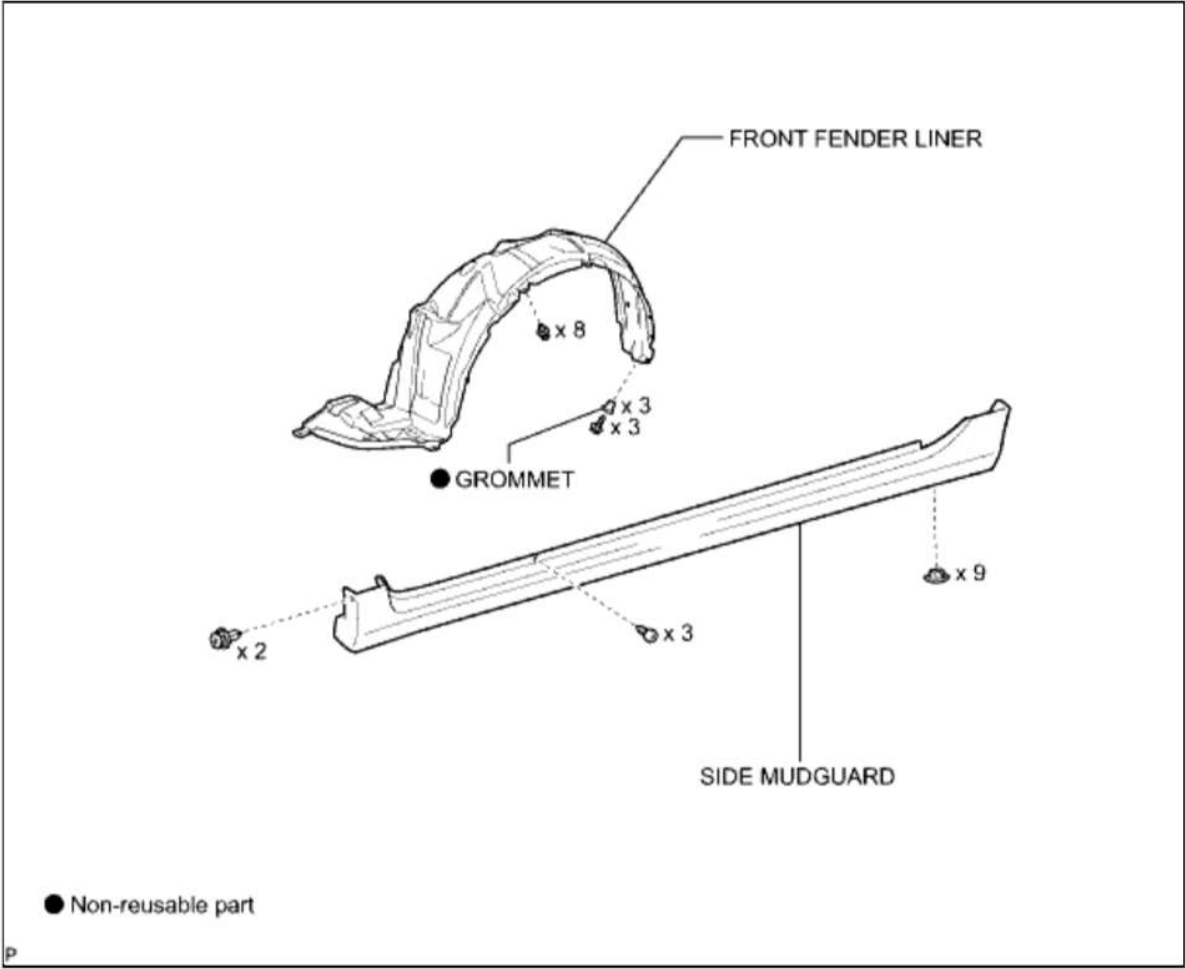
Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000Y5402DX
Title: DOOR / HATCH: HOOD LOCK CONTROL CABLE ASSEMBLY: COMPONENTS (2010 Corolla)		

COMPONENTS

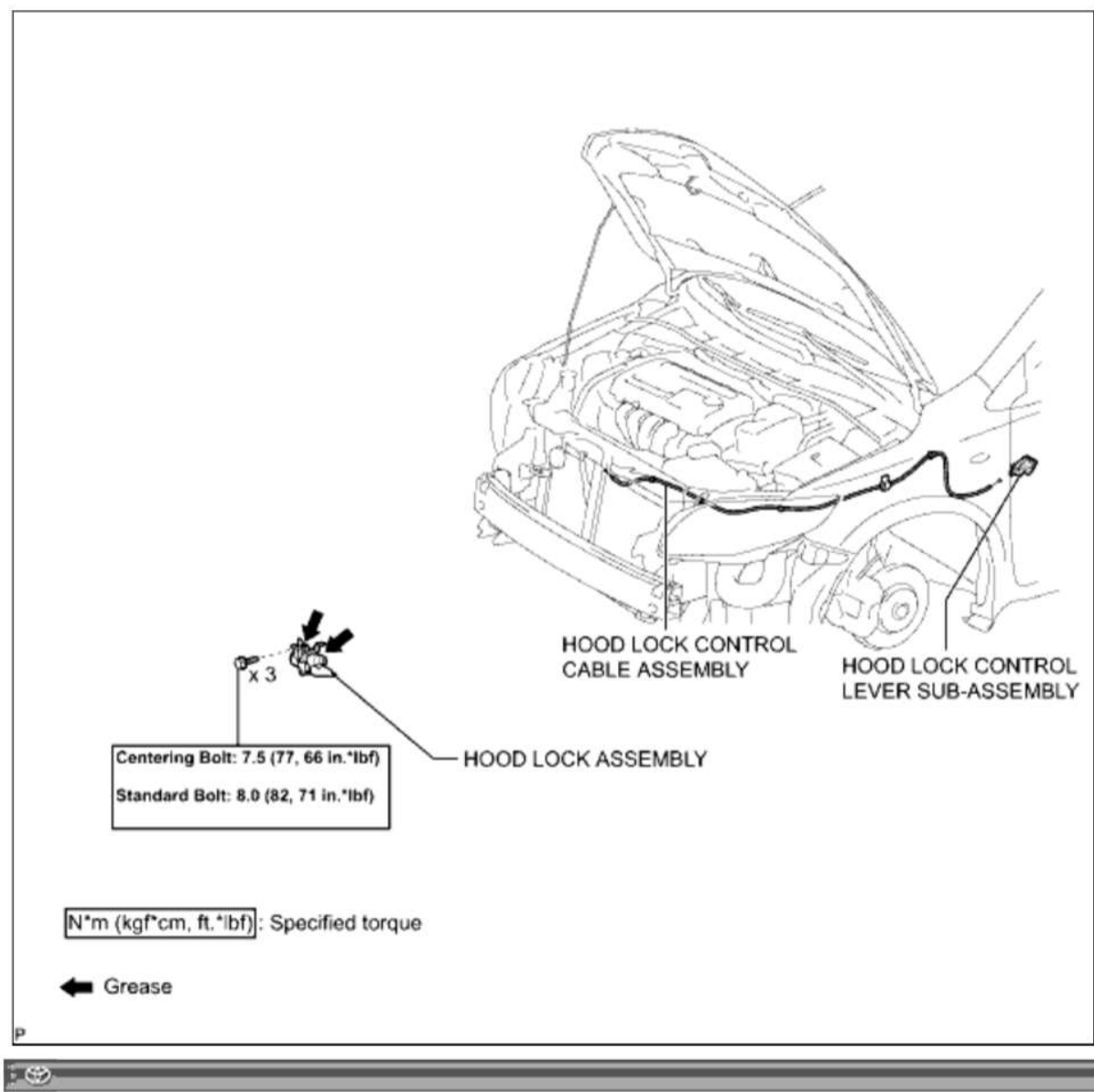
ILLUSTRATION



ILLUSTRATION



ILLUSTRATION



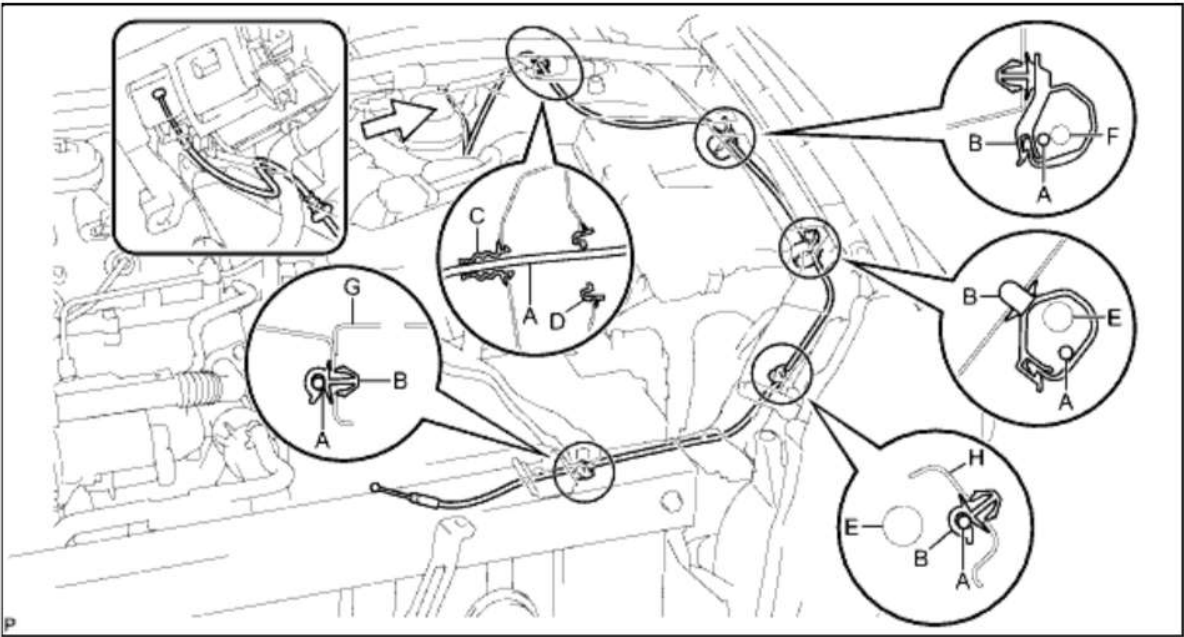
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Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000Y53032X
Title: DOOR / HATCH: HOOD LOCK CONTROL CABLE ASSEMBLY: INSTALLATION (2010 Corolla)		

INSTALLATION

1. INSTALL HOOD LOCK CONTROL CABLE ASSEMBLY

(a) Pass the hood lock control cable assembly into the engine compartment.



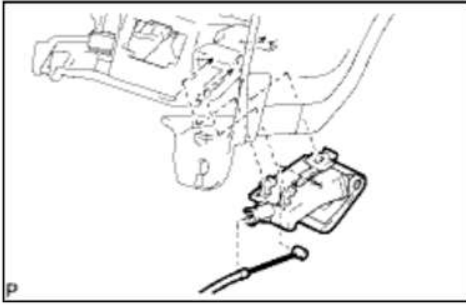
AREA	PART NAME	AREA	PART NAME
A	Hood lock control cable	E	Wire harness
B	Clamp	F	Front washer hose
C	Hood opener cable grommet	G	Radiator support
D	Wiring harness protector	H	Side radiator support

(b) Pass the cable through the upper radiator support.

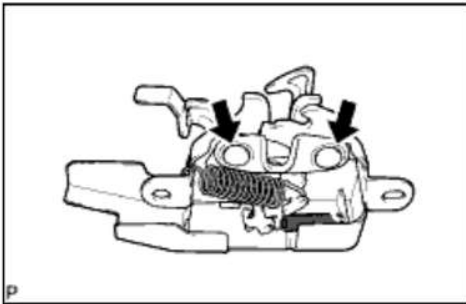
(c) Connect the clamps as shown in the illustration.

2. INSTALL HOOD LOCK CONTROL LEVER SUB-ASSEMBLY

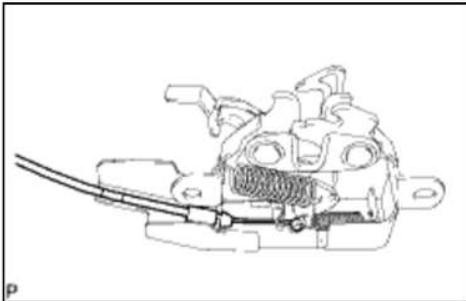
(a) Connect the hood lock control cable and install the hood lock control lever.



3. INSTALL HOOD LOCK ASSEMBLY



(a) Apply MP grease to the sliding areas of the lock.

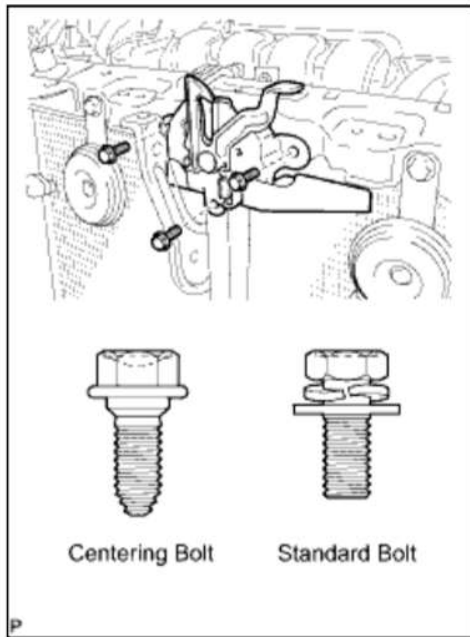


(b) Connect the hood lock control cable.

(c) Install the hood lock assembly with the 3 bolts.

Centering Bolt - Torque: 7.5 N·m (77 kgf·cm, 66in·lbf)

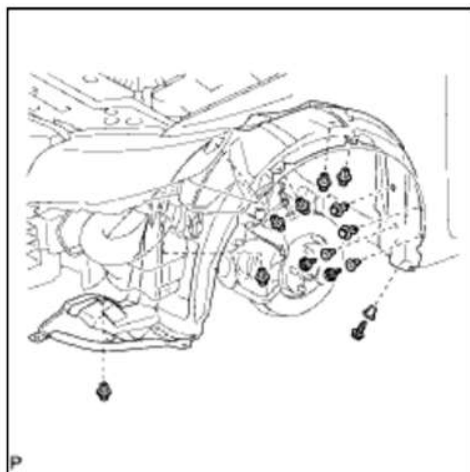
Standard Bolt - Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)



4. INSPECT HOOD SUB-ASSEMBLY INFO

5. ADJUST HOOD SUB-ASSEMBLY INFO

6. INSTALL FRONT FENDER LINER



(a) Install the front fender liner with 3 new grommets and the 3 screws.

(b) Install the 8 clips.

7. INSTALL FRONT WHEEL INFO

8. INSTALL SIDE MUDGUARD INFO

9. INSTALL FRONT BUMPER ASSEMBLY INFO

10. INSTALL NO. 4 ENGINE UNDER COVER (for 2AZ-FE) INFO

11. INSTALL RADIATOR GRILLE PROTECTOR 

12. VEHICLE PREPARATION FOR FOG LIGHT AIMING ADJUSTMENT (w/ Fog Light) 

13. PREPARATION FOR FOG LIGHT AIMING (w/ Fog Light) 

14. INSPECT FOG LIGHT AIMING (w/ Fog Light) 

15. ADJUST FOG LIGHT AIMING (w/ Fog Light) 



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000Y5502XX
Title: DOOR / HATCH: HOOD LOCK CONTROL CABLE ASSEMBLY: REMOVAL (2010 Corolla)		

REMOVAL

1. REMOVE RADIATOR GRILLE PROTECTOR 

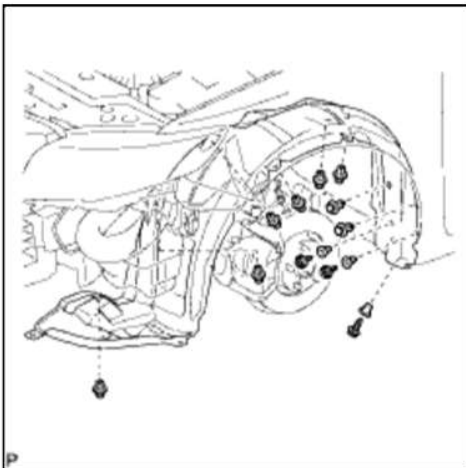
2. REMOVE NO. 4 ENGINE UNDER COVER (for 2AZ-FE) 

3. REMOVE FRONT BUMPER ASSEMBLY 

4. REMOVE SIDE MUDGUARD 

5. REMOVE FRONT WHEEL

6. REMOVE FRONT FENDER LINER



(a) Remove the 8 clips and 3 screws.

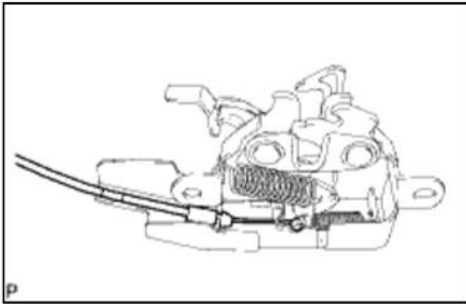
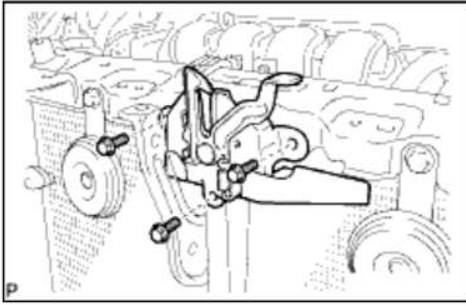
(b) Remove the 3 grommets and the front fender liner.

HINT:

The grommets need to be replaced with new ones because they will break when they are removed.

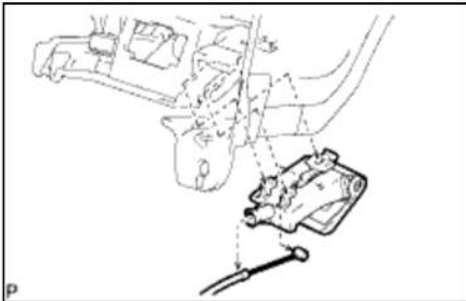
7. REMOVE HOOD LOCK ASSEMBLY

(a) Remove the 3 bolts from the hood lock assembly.



(b) Disconnect the hood lock control cable and remove the hood lock assembly.

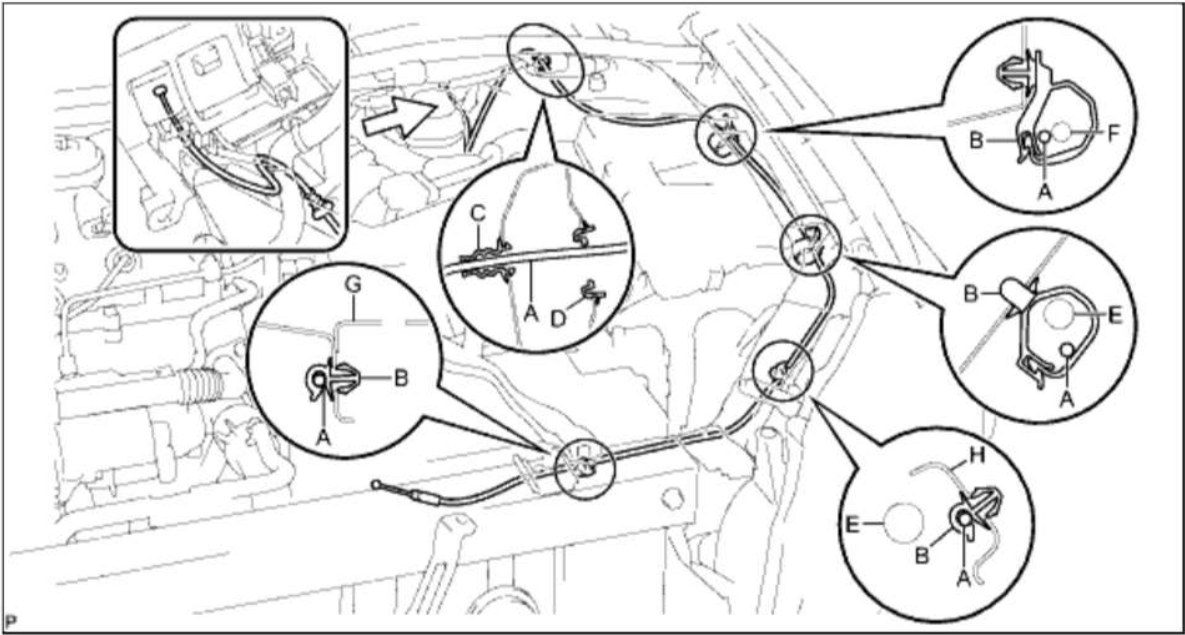
8. REMOVE HOOD LOCK CONTROL LEVER SUB-ASSEMBLY



(a) Disconnect the hood lock control cable and remove the hood lock control lever.

9. REMOVE HOOD LOCK CONTROL CABLE ASSEMBLY

(a) Using a screwdriver, disconnect the clamps shown in the illustration.



AREA	PART NAME	AREA	PART NAME
A	Hood lock control cable	E	Wire harness
B	Clamp	F	Front washer hose
C	Hood opener cable grommet	G	Radiator support
D	Wiring harness protector	H	Side radiator support

HINT:

Tape the screwdriver tip before use.

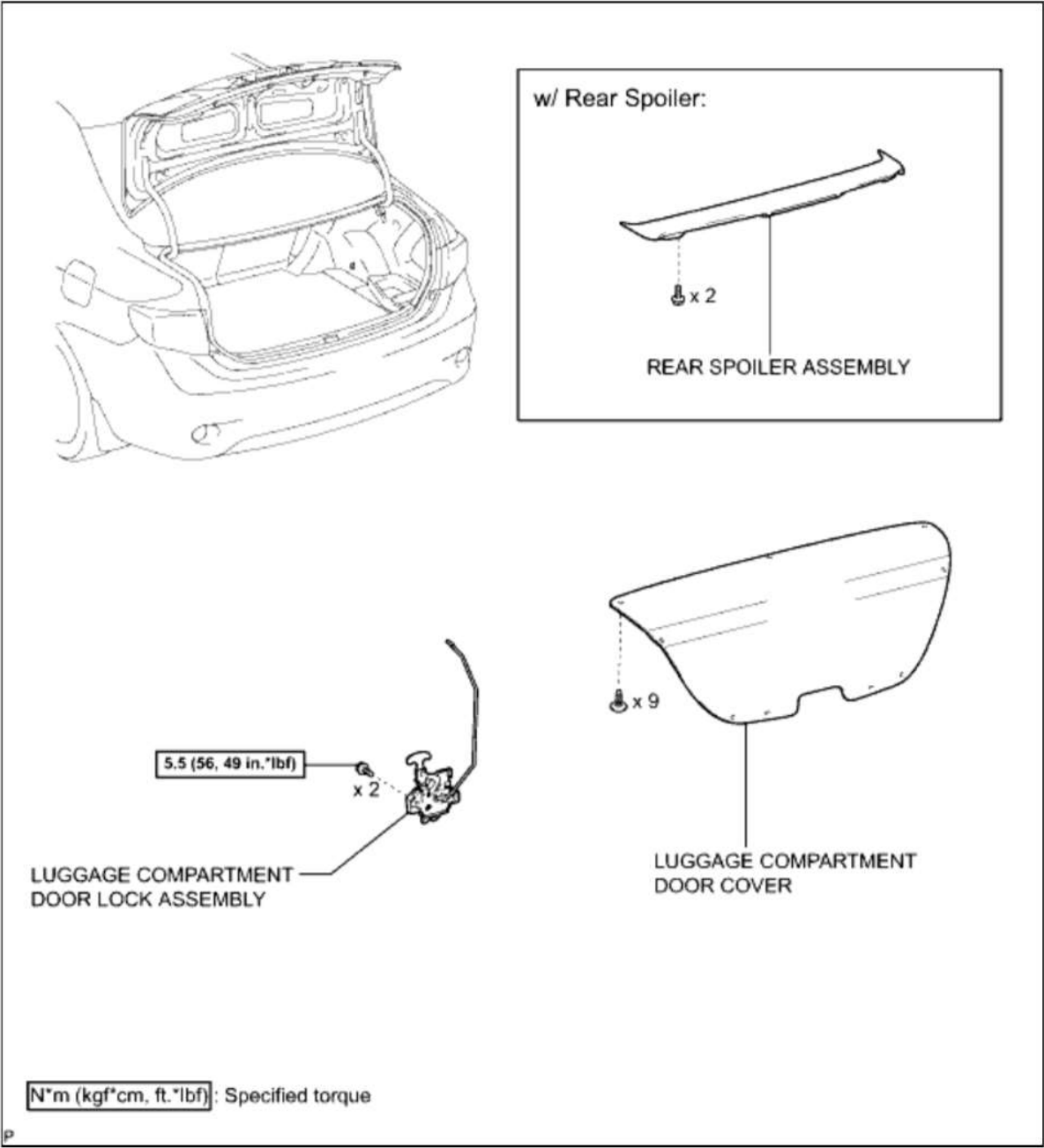
(b) Pull the cable from the engine compartment and remove it.



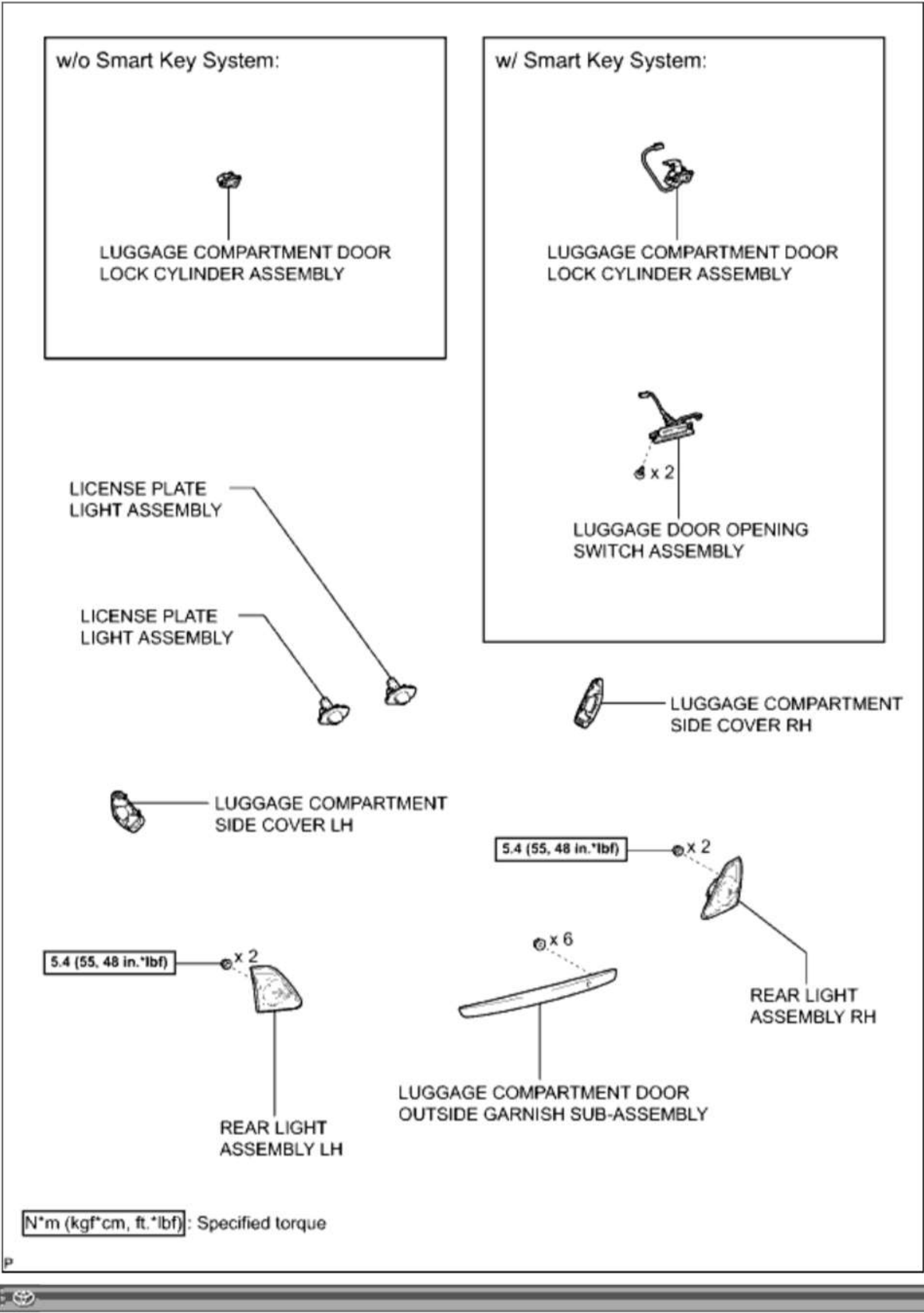
Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XBZ01NX
Title: DOOR / HATCH: LUGGAGE COMPARTMENT DOOR: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION



ILLUSTRATION

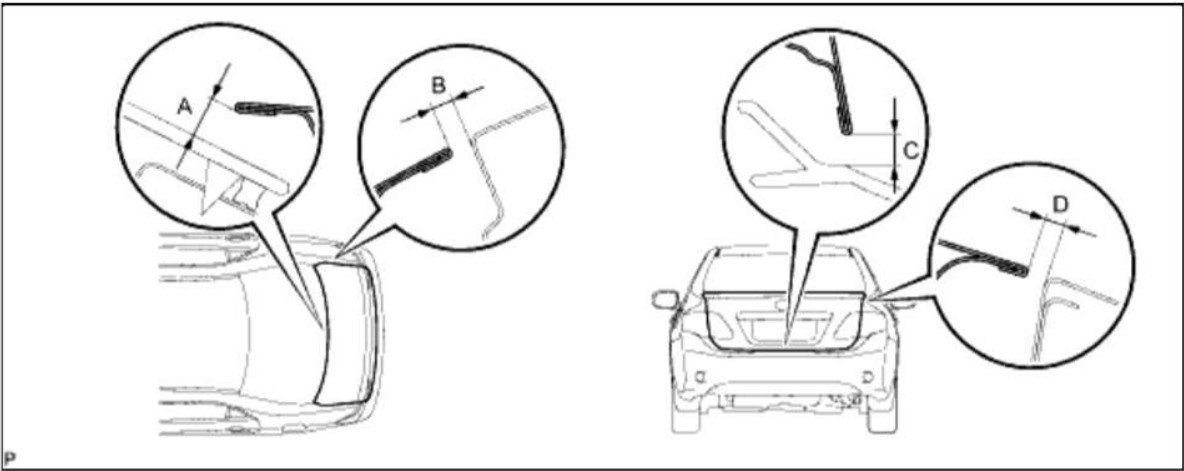


Last Modified: 3-10-2010	6.4 G	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XNV01KX
Title: DOOR / HATCH: LUGGAGE COMPARTMENT DOOR: ON-VEHICLE INSPECTION (2010 Corolla)		

ON-VEHICLE INSPECTION

1. INSPECT LUGGAGE COMPARTMENT DOOR PANEL SUB-ASSEMBLY

(a) Check that the clearance measurements of areas A through D are within each standard range.



Standard Clearance:

AREA	MEASUREMENT	AREA	MEASUREMENT
A	9.0 mm (0.354 in.)	C	4.5 to 7.5 mm (0.177 to 0.295 in.)
B	2.5 to 5.5 mm (0.0984 to 0.217 in.)	D	2.5 to 5.5 mm (0.0984 to 0.217 in.)



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001OIM01JX
Title: DOOR / HATCH: LUGGAGE COMPARTMENT DOOR: DISASSEMBLY (2010 Corolla)		

DISASSEMBLY

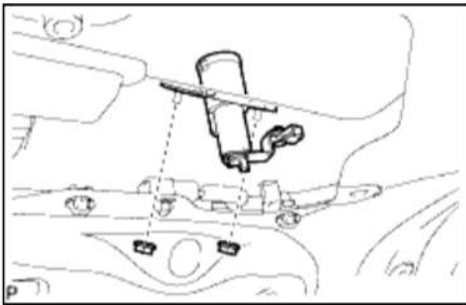
1. REMOVE LUGGAGE COMPARTMENT DOOR COVER 

2. REMOVE REAR SPOILER ASSEMBLY (w/ Rear Spoiler) 

3. REMOVE LUGGAGE COMPARTMENT DOOR LOCK ASSEMBLY (w/o Smart Key System) 

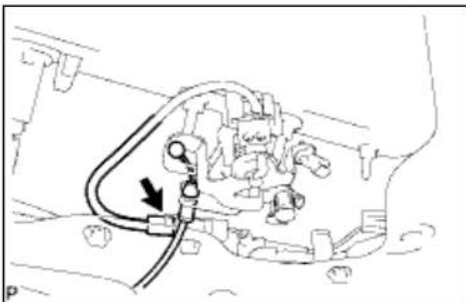
4. REMOVE LUGGAGE COMPARTMENT DOOR LOCK ASSEMBLY (w/ Smart Key System) 

5. REMOVE LUGGAGE COMPARTMENT DOOR LOCK CYLINDER ASSEMBLY (w/o Smart Key System)



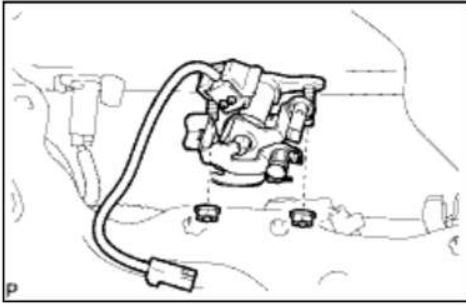
(a) Remove the 2 nuts and the luggage compartment door lock cylinder assembly.

6. REMOVE LUGGAGE COMPARTMENT DOOR LOCK CYLINDER ASSEMBLY (w/ Smart Key System)



(a) Disconnect the luggage door lock control cable sub-assembly.

(b) Remove the 2 nuts and the luggage compartment door lock cylinder assembly.



7. REMOVE LUGGAGE COMPARTMENT SIDE COVER LH [INFO](#)

8. REMOVE LUGGAGE COMPARTMENT SIDE COVER RH

HINT:

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

9. REMOVE REAR LIGHT ASSEMBLY LH [INFO](#)

10. REMOVE REAR LIGHT ASSEMBLY RH

HINT:

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

11. REMOVE LUGGAGE COMPARTMENT DOOR OUTSIDE GARNISH SUB-ASSEMBLY [INFO](#)

12. REMOVE LUGGAGE DOOR OPENING SWITCH ASSEMBLY (w/ Smart Key System) [INFO](#)

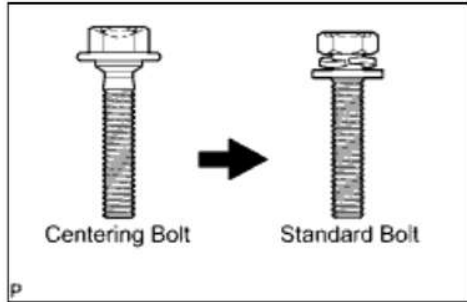
13. REMOVE LICENSE PLATE LIGHT ASSEMBLY [INFO](#)



TOYOTA

Last Modified: 3-10-2010	6.4 N	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XBX01QX
Title: DOOR / HATCH: LUGGAGE COMPARTMENT DOOR: ADJUSTMENT (2010 Corolla)		

ADJUSTMENT

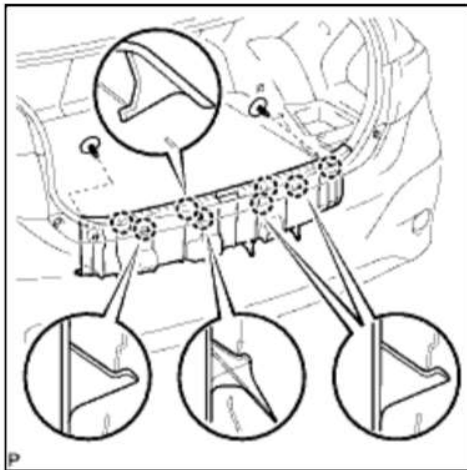


HINT:

- Centering bolts are used to mount the door hinge to the door. The door cannot be adjusted with the centering bolts installed. Substitute the centering bolts with standard bolts (with washers) when making adjustments.
- Specified torque for standard bolts is shown in the standard bolt chart [INFO](#).

1. REMOVE SPARE WHEEL COVER

2. REMOVE REAR FLOOR FINISH PLATE

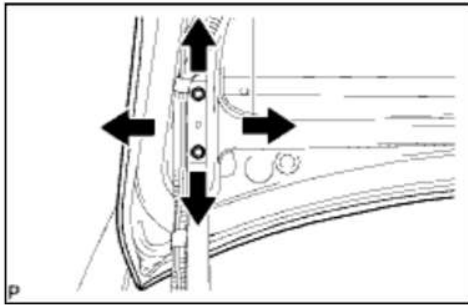


(a) Using a clip remover, remove the 2 clips.

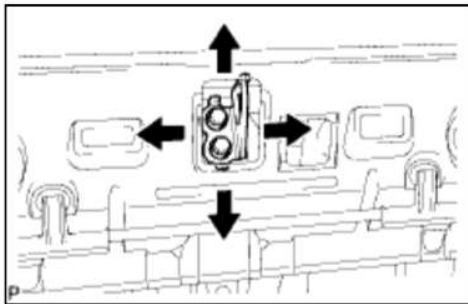
(b) Disengage the 8 claws and remove the rear floor finish plate.

3. ADJUST LUGGAGE COMPARTMENT DOOR

(a) Horizontally and vertically adjust the door by loosening the door side hinge bolts.



Torque: 7.5 N·m (77 kgf·cm, 66in·lbf)

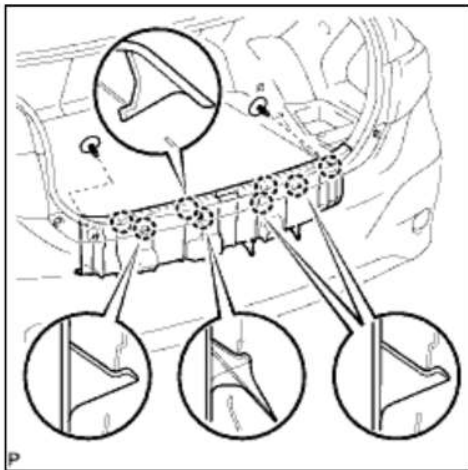


(b) Adjust the striker position by slightly loosening the striker mounting screws and hitting the striker with a plastic hammer.

(c) Tighten the striker mounting screws after the adjustment.

Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)

4. INSTALL REAR FLOOR FINISH PLATE



(a) Engage the 8 claws and install the rear floor finish plate.

(b) Install the 2 clips.

5. INSTALL SPARE WHEEL COVER



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001OIN01JX
Title: DOOR / HATCH: LUGGAGE COMPARTMENT DOOR: REASSEMBLY (2010 Corolla)		

REASSEMBLY

1. INSTALL LICENSE PLATE LIGHT ASSEMBLY



2. INSTALL LUGGAGE DOOR OPENING SWITCH ASSEMBLY (w/ Smart Key System)



3. INSTALL LUGGAGE COMPARTMENT DOOR OUTSIDE GARNISH SUB-ASSEMBLY



4. INSTALL REAR LIGHT ASSEMBLY LH



5. INSTALL REAR LIGHT ASSEMBLY RH

HINT:

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

6. INSTALL LUGGAGE COMPARTMENT SIDE COVER LH

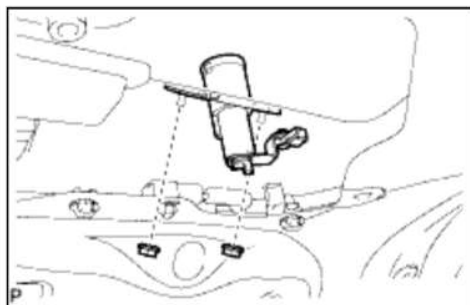


7. INSTALL LUGGAGE COMPARTMENT SIDE COVER RH

HINT:

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

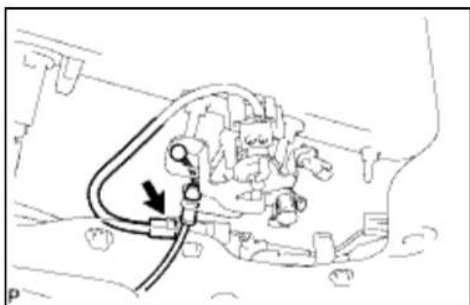
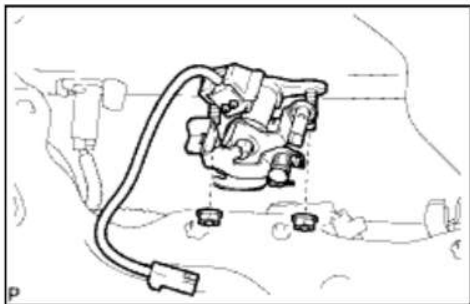
8. INSTALL LUGGAGE COMPARTMENT DOOR LOCK CYLINDER ASSEMBLY (w/o Smart Key System)



(a) Install the luggage compartment door lock cylinder with the 2 nuts.

9. INSTALL LUGGAGE COMPARTMENT DOOR LOCK CYLINDER ASSEMBLY (w/ Smart Key System)

(a) Install the luggage compartment door lock cylinder with the 2 nuts.



(b) Connect the luggage door lock control cable sub-assembly.

(c) Connect the connector.

10. INSTALL LUGGAGE COMPARTMENT DOOR LOCK ASSEMBLY (w/o Smart Key System)

INFO

11. INSTALL LUGGAGE COMPARTMENT DOOR LOCK ASSEMBLY (w/ Smart Key System)

INFO

12. INSTALL REAR SPOILER ASSEMBLY (w/ Rear Spoiler)

INFO

13. INSTALL LUGGAGE COMPARTMENT DOOR COVER

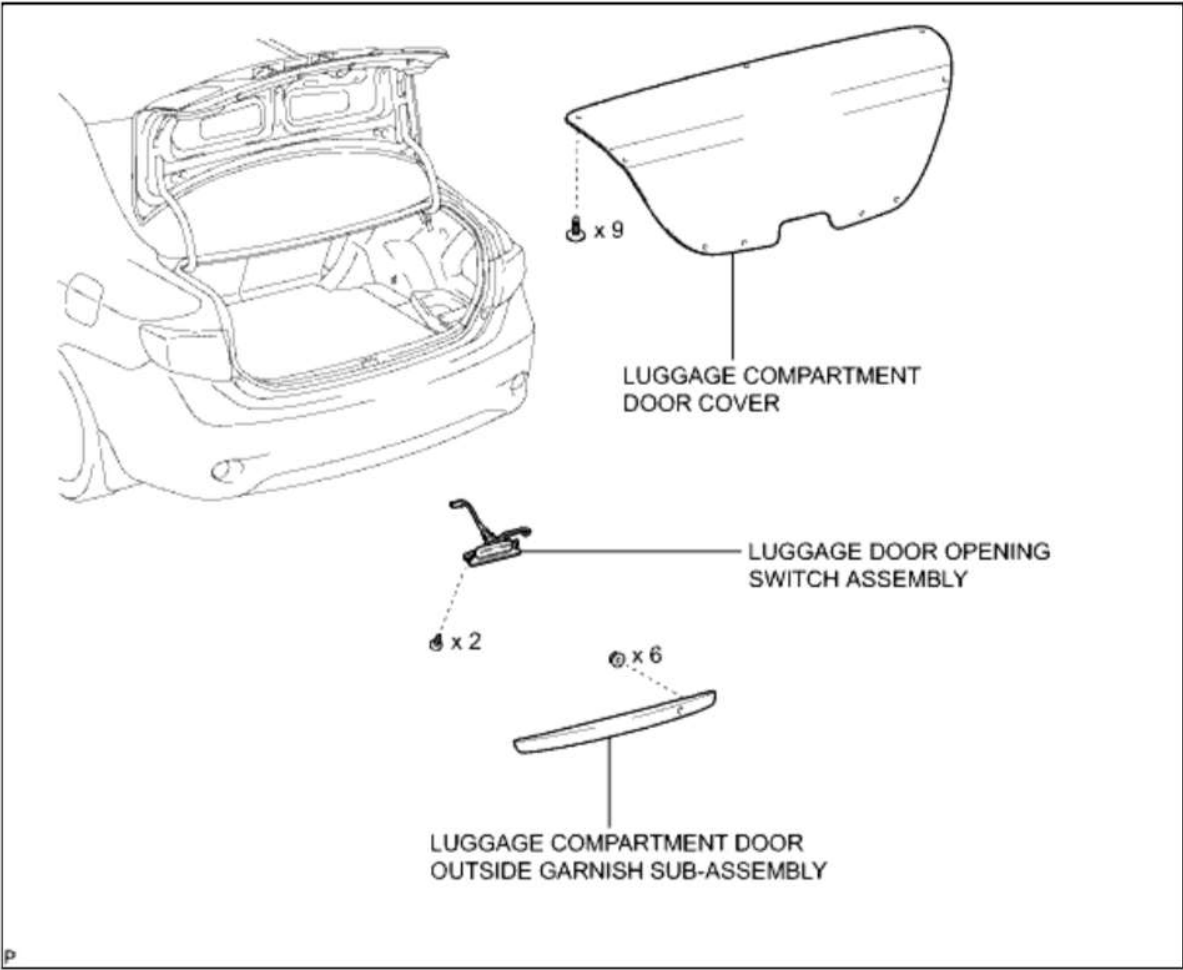
INFO



Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001OIV020X
Title: DOOR / HATCH: LUGGAGE COMPARTMENT DOOR OPENER OUTER SWITCH: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION



cardiagn.com

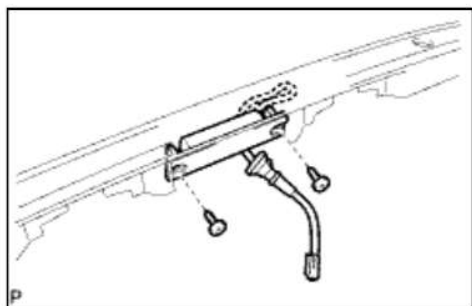
Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001OIW02HX
Title: DOOR / HATCH: LUGGAGE COMPARTMENT DOOR OPENER OUTER SWITCH: REMOVAL (2010 Corolla)		

REMOVAL

1. REMOVE LUGGAGE COMPARTMENT DOOR COVER 

2. REMOVE LUGGAGE COMPARTMENT DOOR OUTSIDE GARNISH SUB-ASSEMBLY 

3. REMOVE LUGGAGE DOOR OPENING SWITCH ASSEMBLY



(a) Remove the 2 screws and the luggage door opening switch assembly.



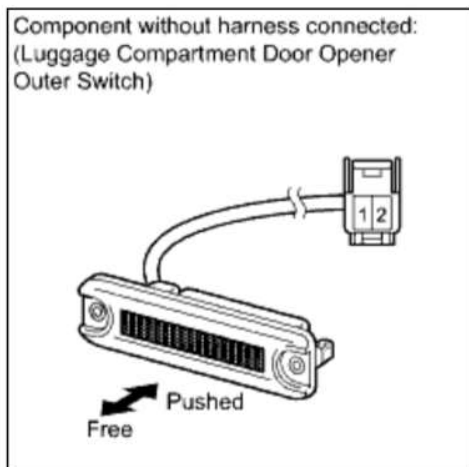
Last Modified: 3-10-2010	6.4 G	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001UM2013X
Title: DOOR / HATCH: LUGGAGE COMPARTMENT DOOR OPENER OUTER SWITCH: INSPECTION (2010 Corolla)		

INSPECTION

1. INSPECT LUGGAGE COMPARTMENT DOOR OPENER OUTER SWITCH

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

Standard Resistance:



TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
1 - 2	Luggage compartment opener outer switch not pushed (OFF)	10 k Ω or higher
1 - 2	Luggage compartment opener outer switch pushed (ON)	Below 1 Ω

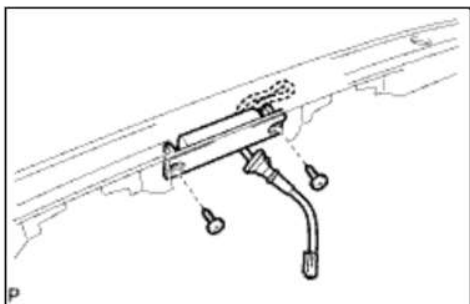
If the result is not specified, replace the luggage compartment door opener outer switch.



Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001OIU02GX
Title: DOOR / HATCH: LUGGAGE COMPARTMENT DOOR OPENER OUTER SWITCH: INSTALLATION (2010 Corolla)		

INSTALLATION

1. INSTALL LUGGAGE DOOR OPENING SWITCH ASSEMBLY



(a) Install the luggage door opening switch assembly with the 2 screws.

2. INSTALL LUGGAGE COMPARTMENT DOOR OUTSIDE GARNISH SUB-ASSEMBLY

[INFO](#)

3. INSTALL LUGGAGE COMPARTMENT DOOR COVER

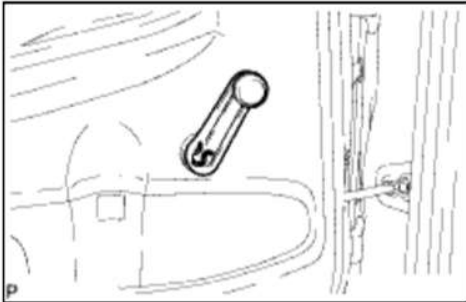
[INFO](#)

Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000011RX01VX
Title: DOOR / HATCH: REAR DOOR: DISASSEMBLY (2010 Corolla)		

DISASSEMBLY

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

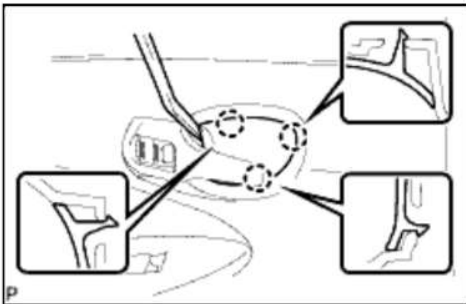
2. REMOVE REAR DOOR WINDOW REGULATOR HANDLE ASSEMBLY (w/o Power Window)



(a) Using a clip remover, remove the snap ring.

(b) Remove the rear door window regulator handle assembly and rear door regulator inside handle plate.

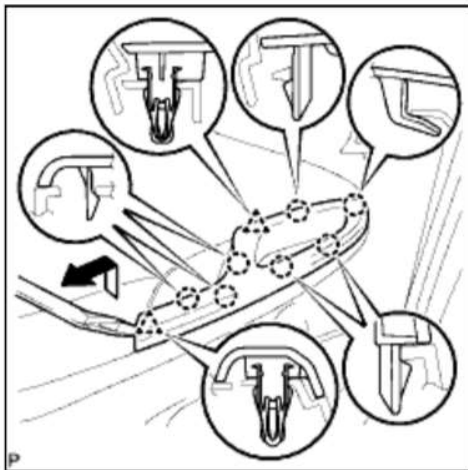
3. REMOVE REAR DOOR INSIDE HANDLE BEZEL



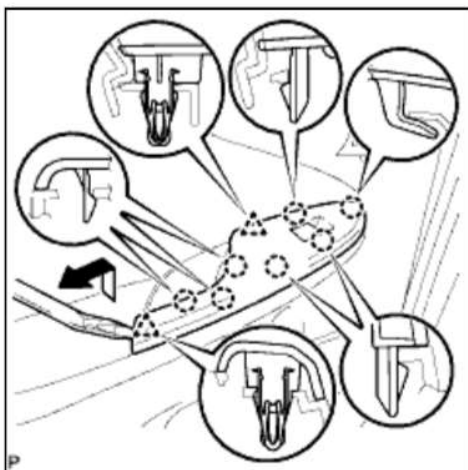
(a) Using a moulding remover, disengage the 3 claws and remove the rear door inside handle bezel.

4. REMOVE REAR DOOR ARMREST UPPER BASE PANEL (w/o Power Window)

(a) Using a moulding remover, disengage the 2 clips and 7 claws, and remove the rear door armrest upper base panel.



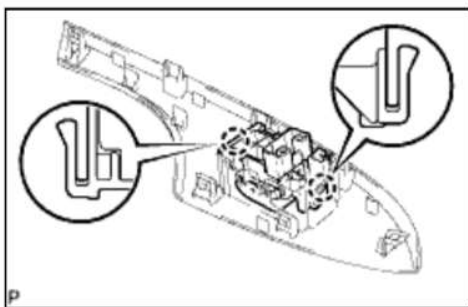
5. REMOVE REAR DOOR ARMREST UPPER BASE PANEL (w/ Power Window)



(a) Using a moulding remover, disengage the 2 clips and 7 claws.

(b) Disconnect the connector and remove the rear door armrest upper base panel.

6. REMOVE REAR POWER WINDOW REGULATOR SWITCH ASSEMBLY (w/ Power Window)

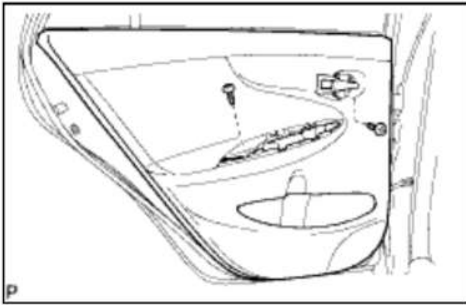


(a) Using a screwdriver with its tip wrapped with protective tape, disengage the 2 claws and remove the rear power window regulator switch assembly.

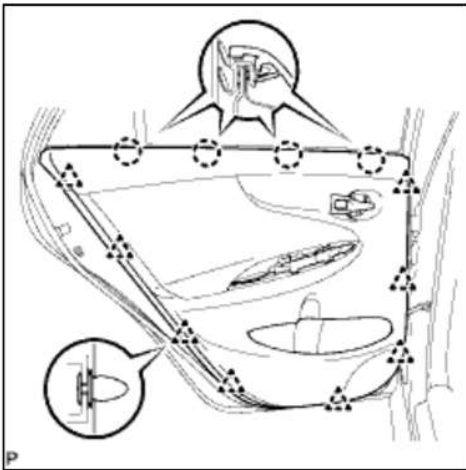
7. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY



- (a) Using a screwdriver with its tip wrapped with protective tape, disengage the claw and disconnect the door armrest cap.



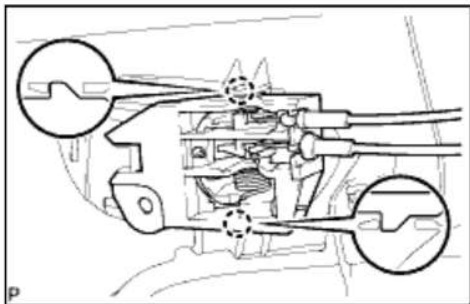
- (b) Remove the 2 screws.



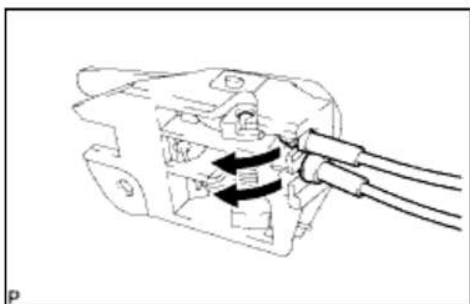
- (c) Using a clip remover, disengage the 8 clips.

- (d) Disengage the 4 claws and separate the rear door trim board sub-assembly from the rear door inner glass weatherstrip.

- (e) Disengage the 2 claws and disconnect the rear door inside handle sub-assembly.

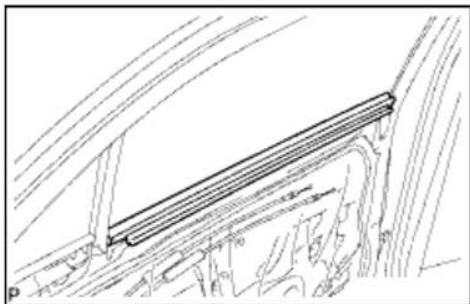


8. REMOVE REAR DOOR INSIDE HANDLE SUB-ASSEMBLY



- (a) Disconnect the rear door lock remote control cable and rear door inside locking cable, and remove the rear door inside handle sub-assembly.

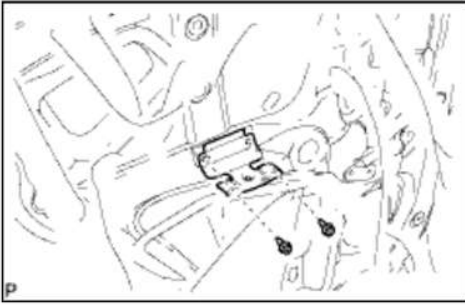
9. REMOVE REAR DOOR INNER GLASS WEATHERSTRIP



- (a) Remove the rear door inner glass weatherstrip from the rear door panel.

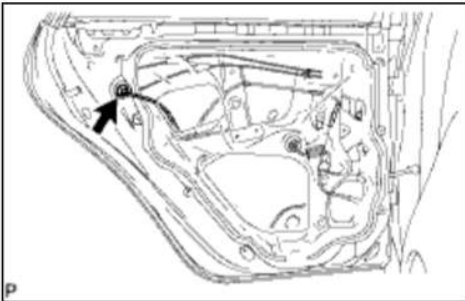
10. REMOVE REAR DOOR TRIM BRACKET

- (a) Remove the 2 screws and the rear door trim bracket.



11. REMOVE REAR DOOR SERVICE HOLE COVER

(a) w/ Power door lock:



(1) Disconnect the connector.

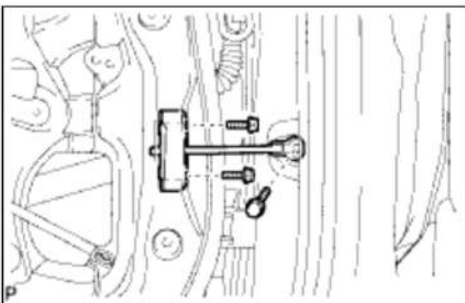


(b) Remove the rear door service hole cover.

HINT:

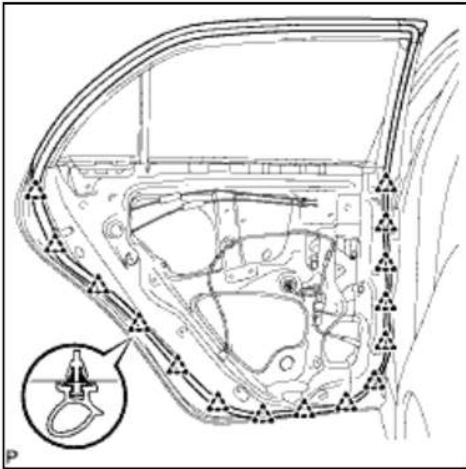
Remove any remaining butyl tape from the door.

12. REMOVE REAR DOOR CHECK ASSEMBLY



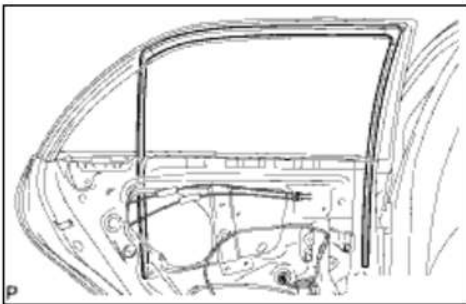
(a) Remove the 3 bolts and the rear door check assembly.

13. REMOVE REAR DOOR WEATHERSTRIP



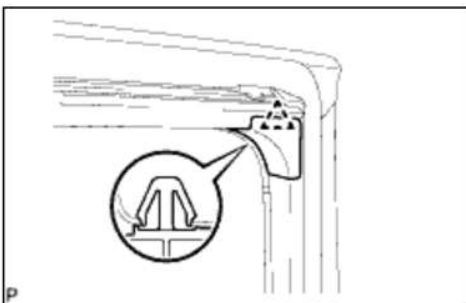
- (a) Using a clip remover, disengage the 15 clips and remove the rear door weatherstrip.

14. REMOVE REAR DOOR GLASS RUN



- (a) Remove the rear door glass run.

15. REMOVE REAR DOOR FRAME GARNISH



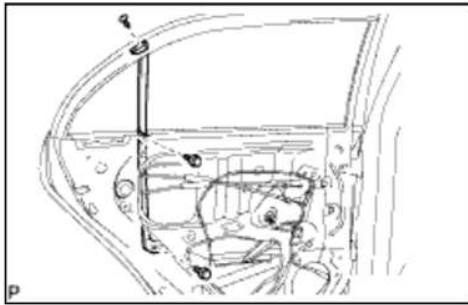
- (a) Disengage the clip and remove the rear door frame garnish.

HINT:

This garnish needs to be replaced with a new one because the clip will break when removing the rear door frame garnish.

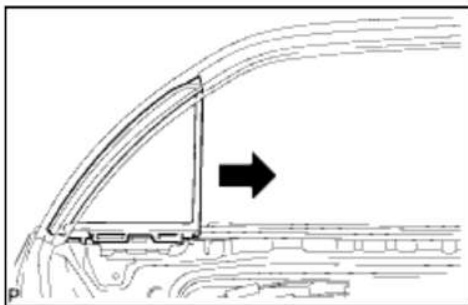
16. REMOVE REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY

- (a) Remove the 2 bolts, screw, and the rear door window



division bar sub-assembly.

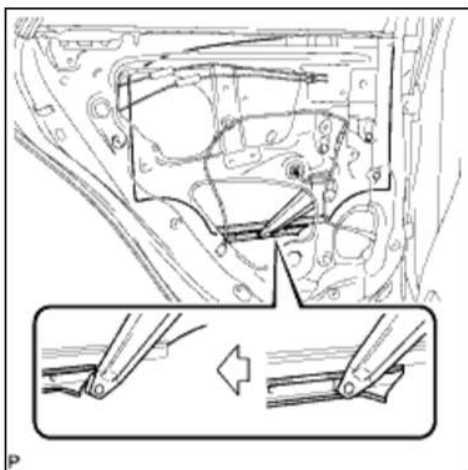
17. REMOVE REAR DOOR QUARTER WINDOW GLASS



- (a) Remove the rear door quarter window glass and the rear door quarter window weatherstrip as a unit as shown in the illustration.

- (b) Remove the rear door quarter window glass from the rear door quarter window weatherstrip.

18. REMOVE REAR DOOR GLASS SUB-ASSEMBLY



- (a) Remove the rear door glass sub-assembly from the rear door window regulator sub-assembly as shown in the illustration.

NOTICE:

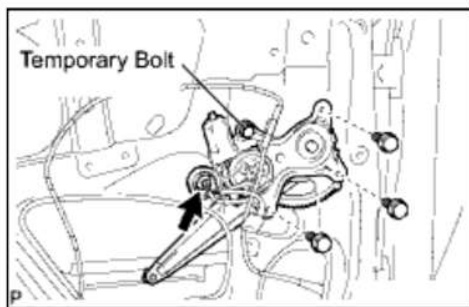
Do not damage the door glass.

19. REMOVE REAR DOOR WINDOW REGULATOR ASSEMBLY (w/o Power Window)

- (a) Remove the 3 bolts and the rear door window regulator assembly.



20. REMOVE REAR DOOR WINDOW REGULATOR SUB-ASSEMBLY (w/ Power Window)



(a) Disconnect the connector.

(b) Loosen the temporary bolt.

NOTICE:

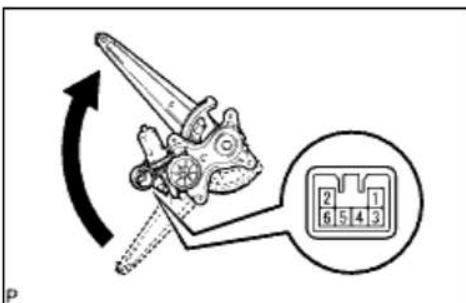
Do not remove the temporary bolt. If the temporary bolt is removed, the rear door window regulator may fall and cause damage.

(c) Remove the 3 bolts.

(d) Remove the rear door window regulator sub-assembly and the rear power window regulator motor assembly as a unit.

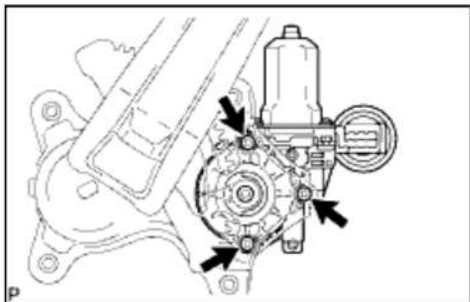
(e) Remove the temporary bolt from the rear door window regulator sub-assembly.

21. REMOVE REAR POWER WINDOW REGULATOR MOTOR ASSEMBLY (w/ Power Window)



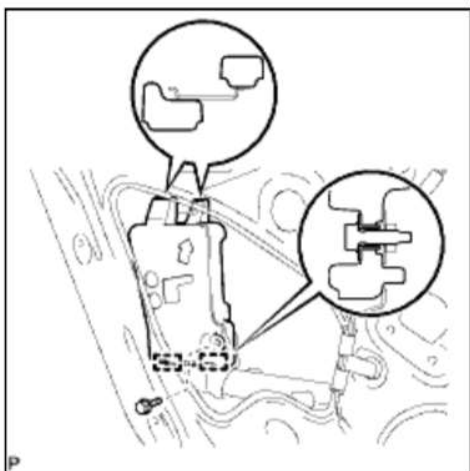
(a) Connect a positive (+) lead from the battery to terminal 1, and a negative (-) lead to terminal 2 of the rear power window regulator motor assembly to move the lift arm to the position shown in the illustration.

(b) Using a "TORX" socket wrench (T25), remove the 3



screws and the rear power window regulator motor assembly.

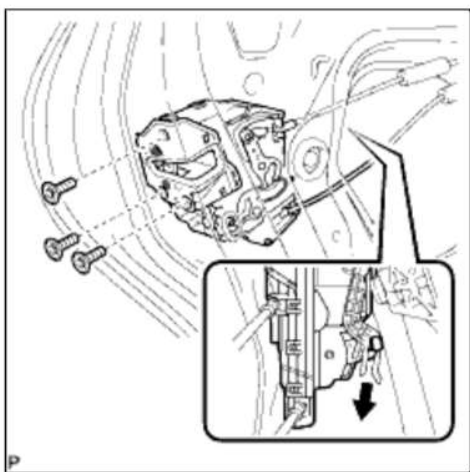
22. REMOVE SEPARATOR DOOR NO. 2 STIFFENER CUSHION



(a) Remove the bolt.

(b) Disengage the 2 guides and separator door No. 2 stiffener cushion.

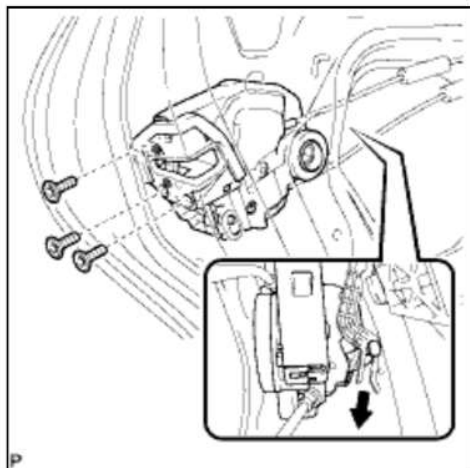
23. REMOVE REAR DOOR LOCK ASSEMBLY (w/o Power Door Lock)



(a) Using a "TORX" socket wrench (T30), remove the 3 screws.

(b) Move the rear door lock assembly downward and pull the release plate out of the rear door outside handle frame.

24. REMOVE REAR DOOR LOCK ASSEMBLY (w/ Power Door Lock)

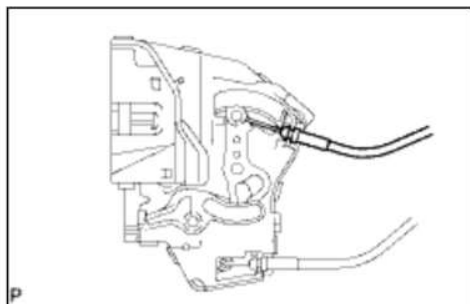


(a) Using a "TORX" socket wrench (T30), remove the 3 screws.

(b) Move the rear door lock assembly downward and pull the release plate out of the rear door outside handle frame.

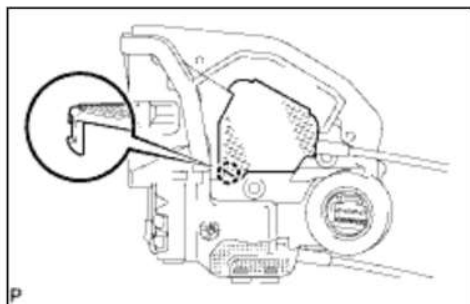
(c) Remove the door lock wiring harness seal from the rear door lock assembly.

25. REMOVE REAR DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY (w/o Power Door Lock)



(a) Remove the rear door lock remote control cable assembly.

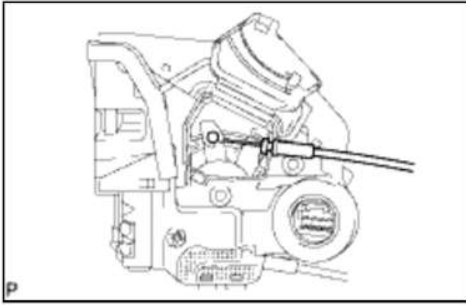
26. REMOVE REAR DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY (w/ Power Door Lock)



(a) Using a screwdriver, disengage the claw.

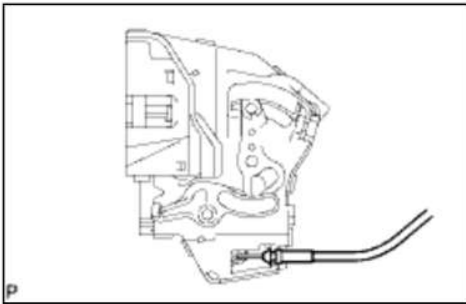
HINT:

Tape the screwdriver tip before use.



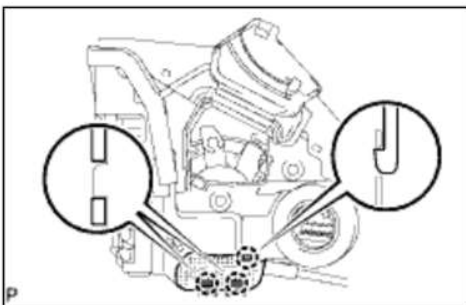
(b) Remove the rear door lock remote control cable assembly.

27. REMOVE REAR DOOR INSIDE LOCKING CABLE ASSEMBLY (w/o Power Door Lock)



(a) Remove the rear door inside locking cable assembly.

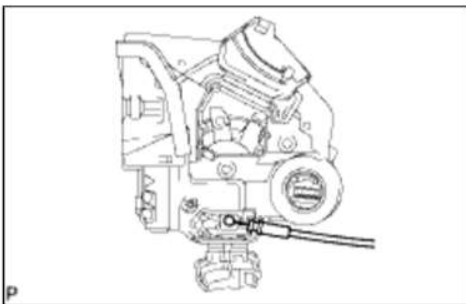
28. REMOVE REAR DOOR INSIDE LOCKING CABLE ASSEMBLY (w/ Power Door Lock)



(a) Using a screwdriver, disengage the 3 claws.

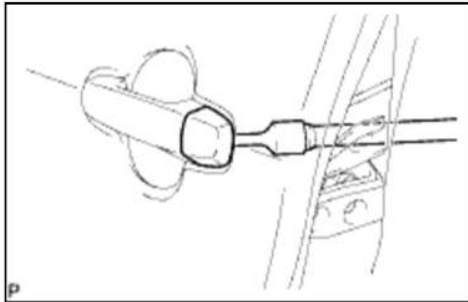
HINT:

Tape the screwdriver tip before use.



(b) Remove the rear door inside locking cable assembly.

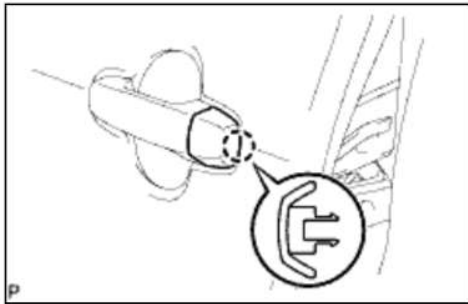
29. REMOVE REAR DOOR OUTSIDE HANDLE COVER



(a) Using a "TORX" socket wrench (T30), loosen the screw.

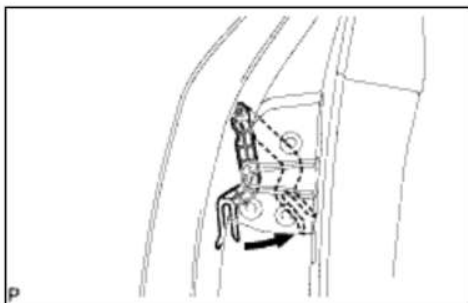
HINT:

The screw cannot be removed because it is integrated into the rear door outside handle frame sub-assembly.



(b) Disengage the claw and remove the rear door outside handle cover.

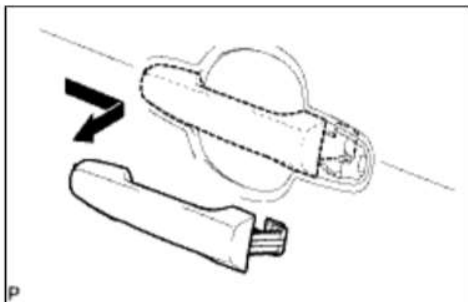
30. REMOVE REAR DOOR OUTSIDE HANDLE ASSEMBLY



(a) Pull and hold the release plate of the rear door outside handle frame sub-assembly as shown in the illustration.

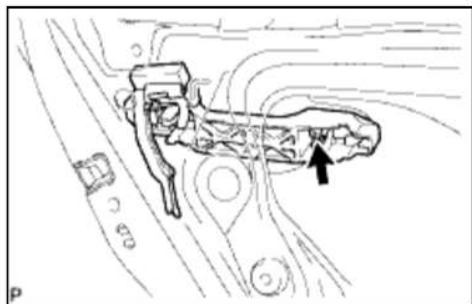
NOTICE:

The release plate may interfere with the rear door outside handle assembly and may be damaged when removing the rear door outside handle assembly, unless the release plate of the rear door outside handle frame sub-assembly is pulled and held.

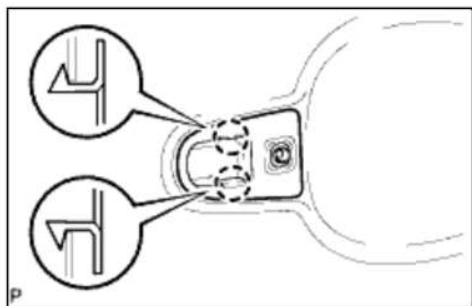


(b) Remove the rear door outside handle assembly as shown in the illustration.

31. REMOVE REAR DOOR FRONT OUTSIDE HANDLE PAD

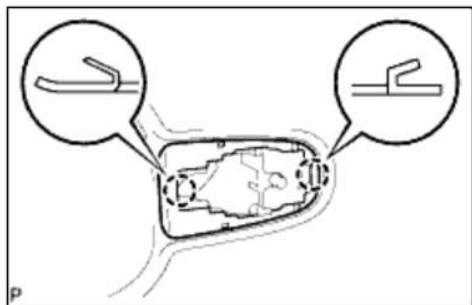


(a) Using a "TORX" socket wrench (T30), remove the screw.



(b) Disengage the 2 claws and remove the rear door front outside handle pad.

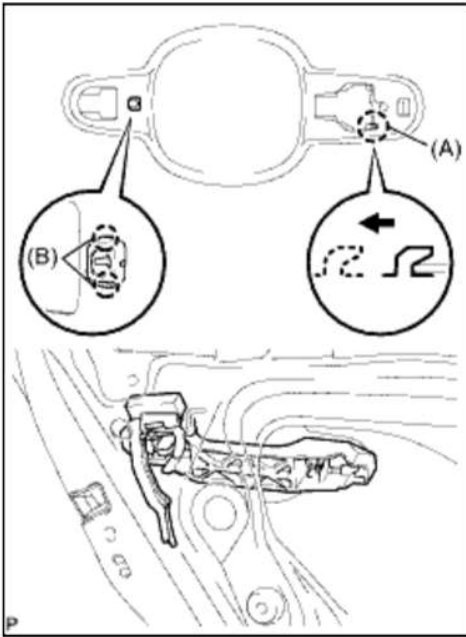
32. REMOVE REAR DOOR REAR OUTSIDE HANDLE PAD



(a) Disengage the 2 claws and remove the rear door rear outside handle pad.

33. REMOVE REAR DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY

(a) Disengage the 2 claws (B).



(b) Disengage the claw (A) and remove the rear door outside handle frame sub-assembly.

34. REMOVE REAR DOOR BELT MOULDING ASSEMBLY INFO

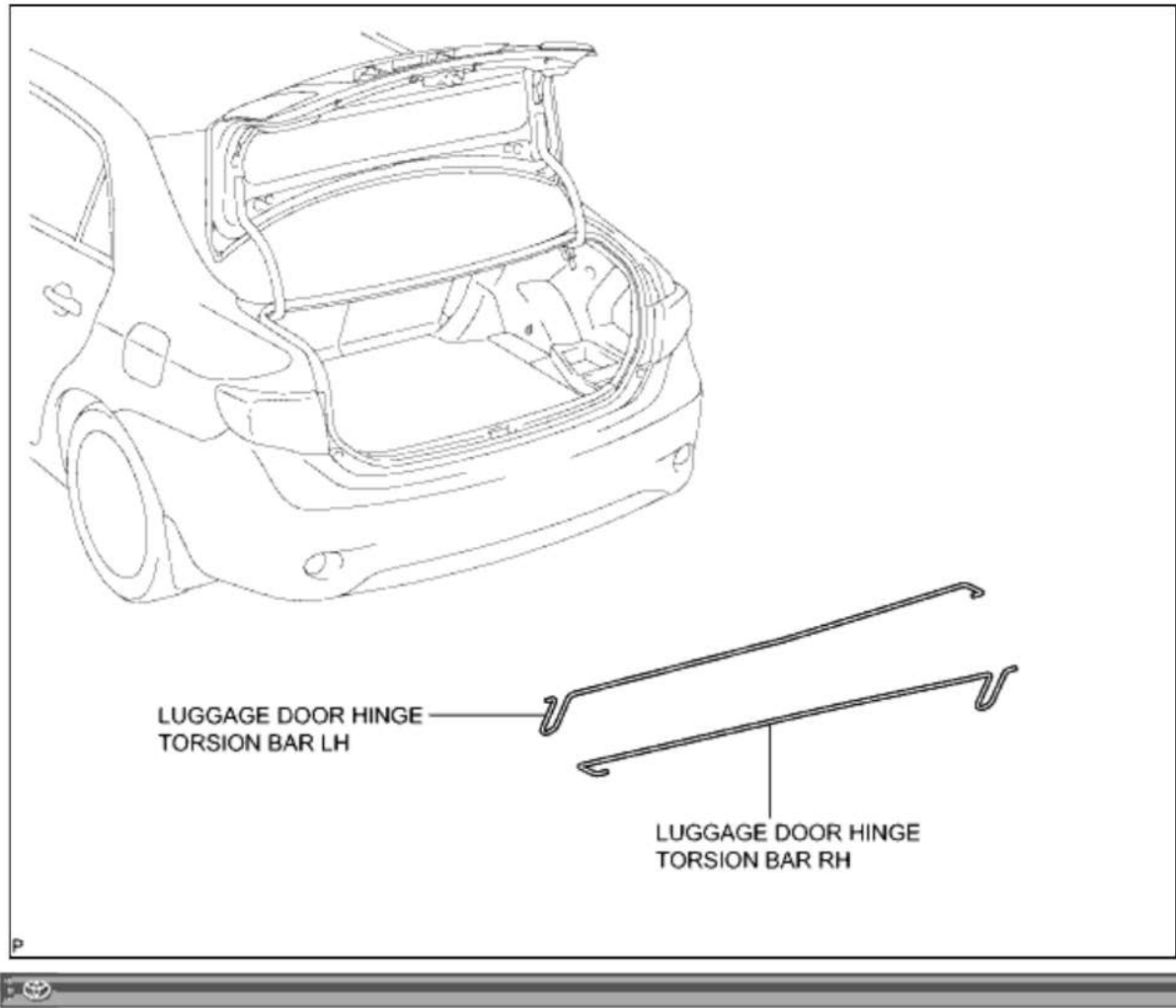
35. REMOVE NO. 2 BLACK OUT TAPE (w/ Black Out Tape) INFO



Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000001CQ900YX
Title: DOOR / HATCH: LUGGAGE DOOR HINGE TORSION BAR: COMPONENTS (2010 Corolla)		

COMPONENTS

ILLUSTRATION

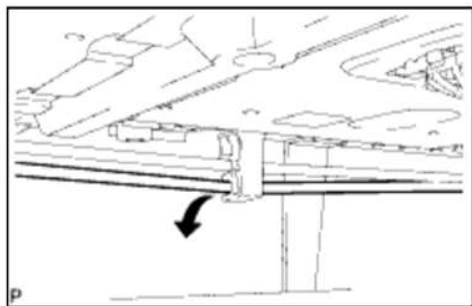


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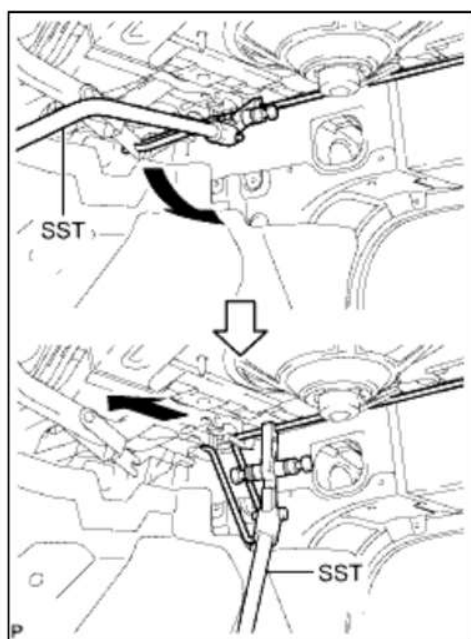
Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000194Z015X
Title: DOOR / HATCH: LUGGAGE DOOR HINGE TORSION BAR: REMOVAL (2010 Corolla)		

REMOVAL

1. REMOVE LUGGAGE DOOR HINGE TORSION BAR LH



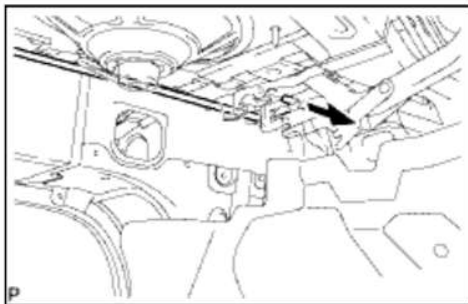
- (a) Disconnect the luggage door hinge torsion bar LH from the luggage compartment door torsion bar support as shown in the illustration.



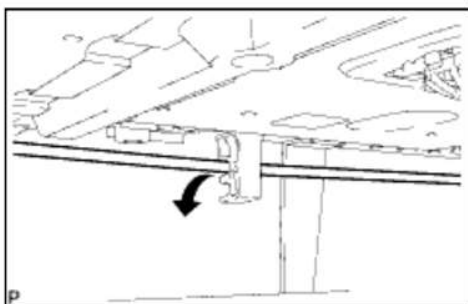
- (b) Using SST, disconnect the left end of the luggage door hinge torsion bar LH from the luggage door hinge and the vehicle body as shown in the illustration.

SST: 09804-24010

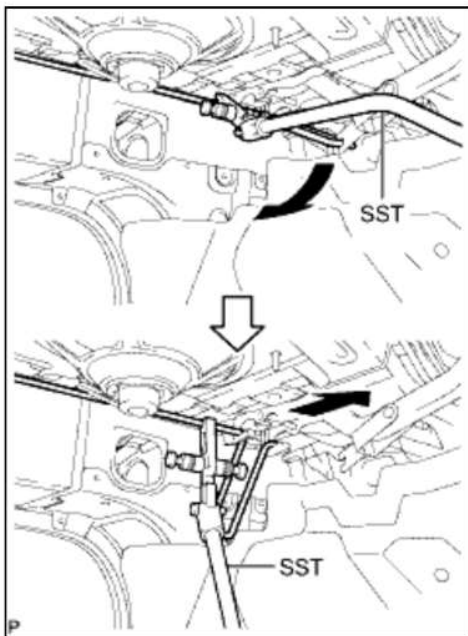
- (c) Disconnect the right end of the luggage door hinge torsion bar LH and remove it from the vehicle body as shown in the illustration.



2. REMOVE LUGGAGE DOOR HINGE TORSION BAR RH



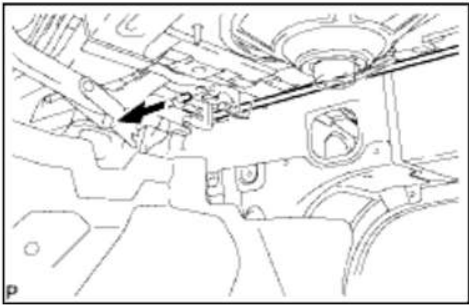
- (a) Disconnect the luggage door hinge torsion bar RH from the luggage compartment door torsion bar support as shown in the illustration.



- (b) Using SST, disconnect the right end of the luggage door hinge torsion bar RH from the luggage door hinge and the vehicle body as shown in the illustration.

SST: 09804-24010

- (c) Disconnect the left end of the luggage door hinge torsion bar RH and remove it from the vehicle body as shown in the illustration.



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Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM00000194Y015X
Title: DOOR / HATCH: LUGGAGE DOOR HINGE TORSION BAR: INSTALLATION (2010 Corolla)		

INSTALLATION

HINT:

- Install the RH side first, then the LH side.
- After installing the torsion bar, use your hand to open and close the luggage door. Make sure that the luggage door can be opened and closed smoothly.

1. INSTALL LUGGAGE DOOR HINGE TORSION BAR RH

(a) Check the identification mark on the luggage door hinge torsion bar RH.

for TMC Made:

When replacing the luggage door hinge torsion bar RH with a new one:

Pink

When reusing the luggage door hinge torsion bar RH:

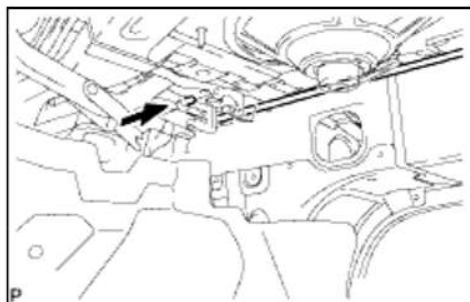
Red

for TMMC, NUMMI Made without Rear Spoiler:

Red

for TMMC, NUMMI Made with Rear Spoiler:

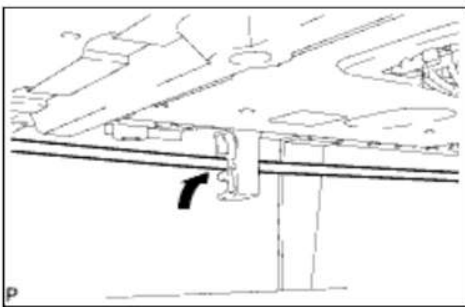
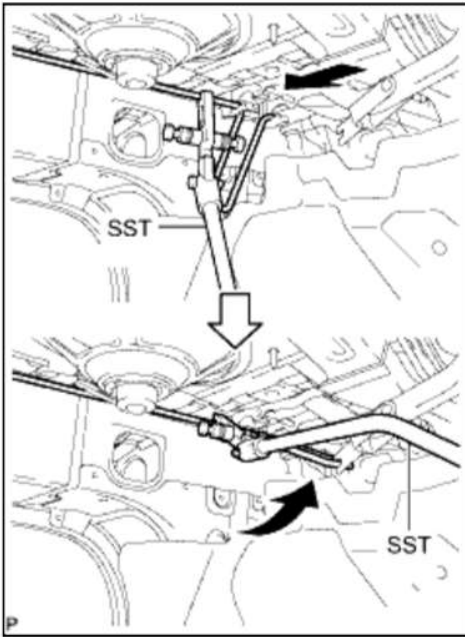
Yellow



(b) Connect the left end of the luggage door hinge torsion bar RH to the vehicle body as shown in the illustration.

(c) Using SST, connect the right end of the luggage door hinge torsion bar RH to install it on the vehicle body as shown in the illustration.

SST: 09804-24010



- (d) Connect the luggage door hinge torsion bar RH to the luggage compartment door torsion bar support as shown in the illustration.

2. INSTALL LUGGAGE DOOR HINGE TORSION BAR LH

- (a) Check the identification mark on the luggage door hinge torsion bar LH.

for TMC Made:

When replacing the luggage door hinge torsion bar LH with a new one:

Orange

When reusing the luggage door hinge torsion bar LH:

Light Blue

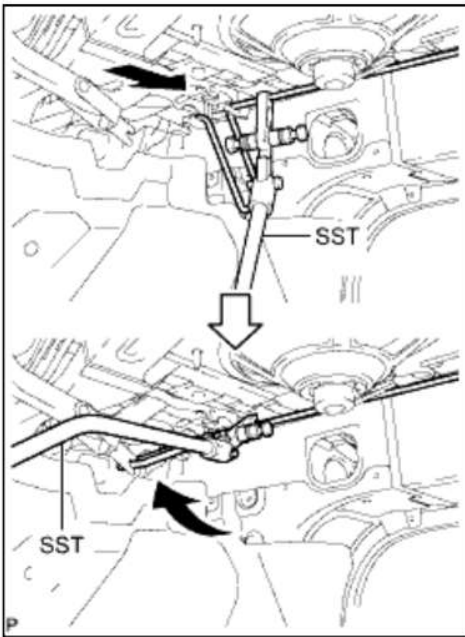
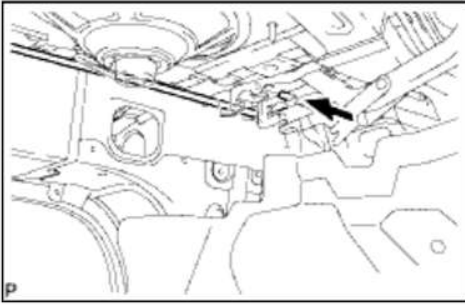
for TMMC, NUMMI Made without Rear Spoiler:

Light Blue

for TMMC, NUMMI Made with Rear Spoiler:

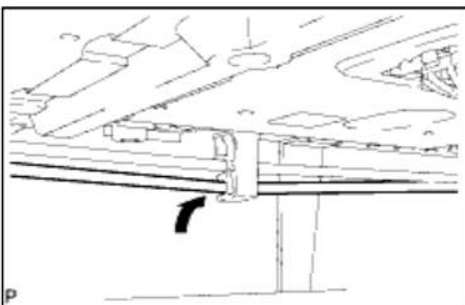
White

- (b) Connect the right end of the luggage door hinge torsion bar LH to the vehicle body as shown in the illustration.



(c) Using SST, connect the left end of the luggage door hinge torsion bar LH to install it on the vehicle body as shown in the illustration.

SST: 09804-24010

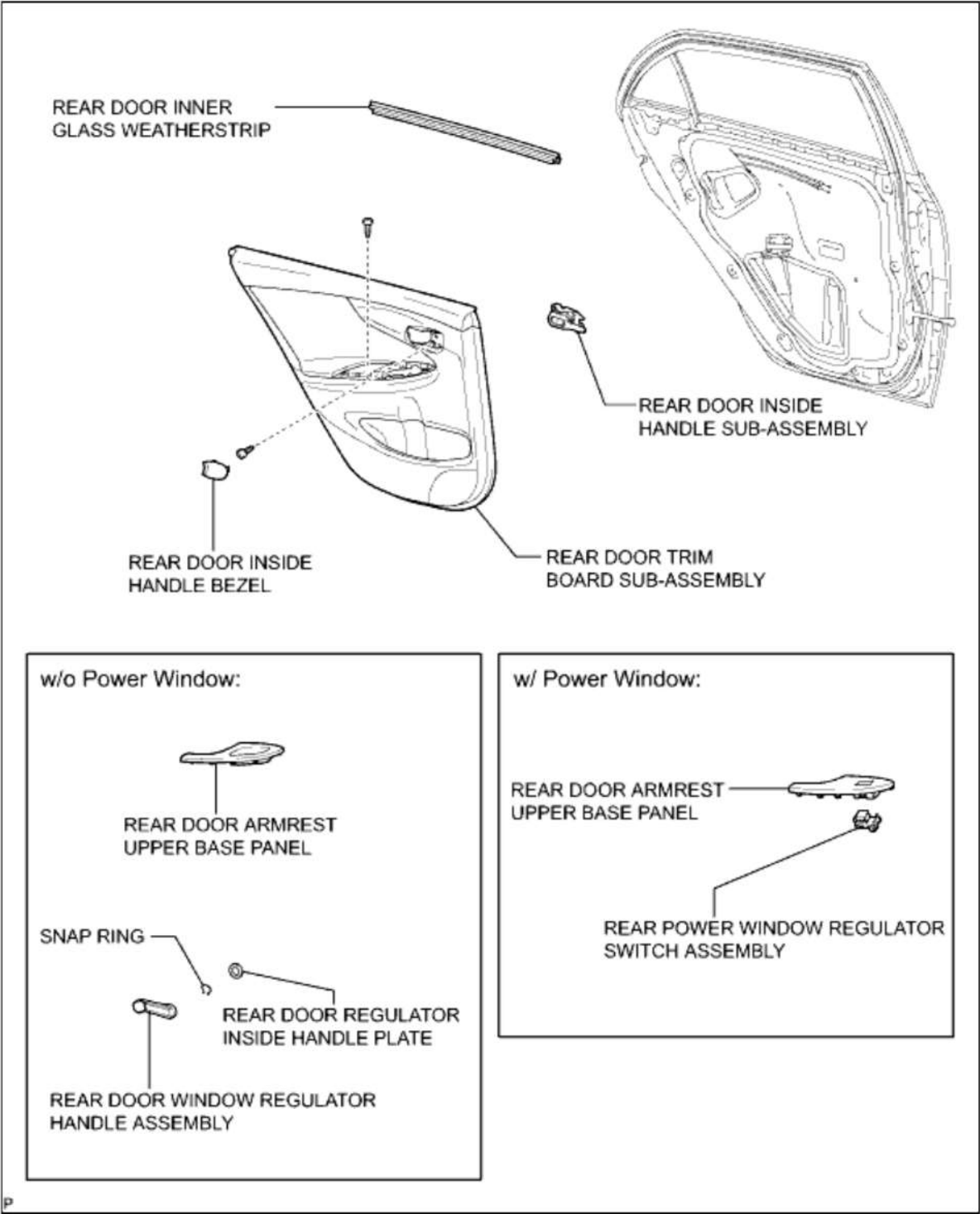


(d) Connect the luggage door hinge torsion bar LH to the luggage compartment door torsion bar support as shown in the illustration.

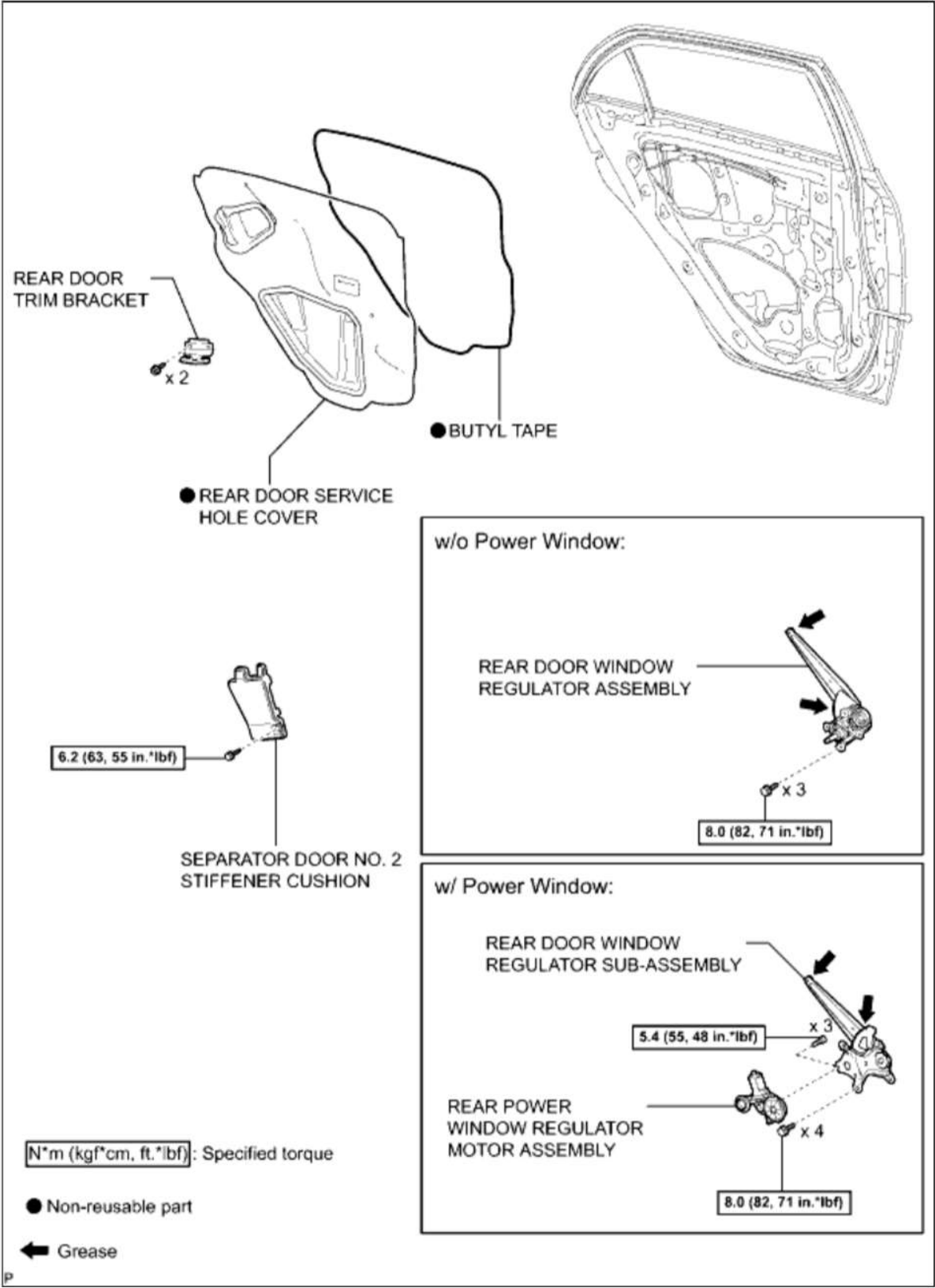
Last Modified: 3-10-2010	6.4 K	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XBE01QX
Title: DOOR / HATCH: REAR DOOR: COMPONENTS (2010 Corolla)		

COMPONENTS

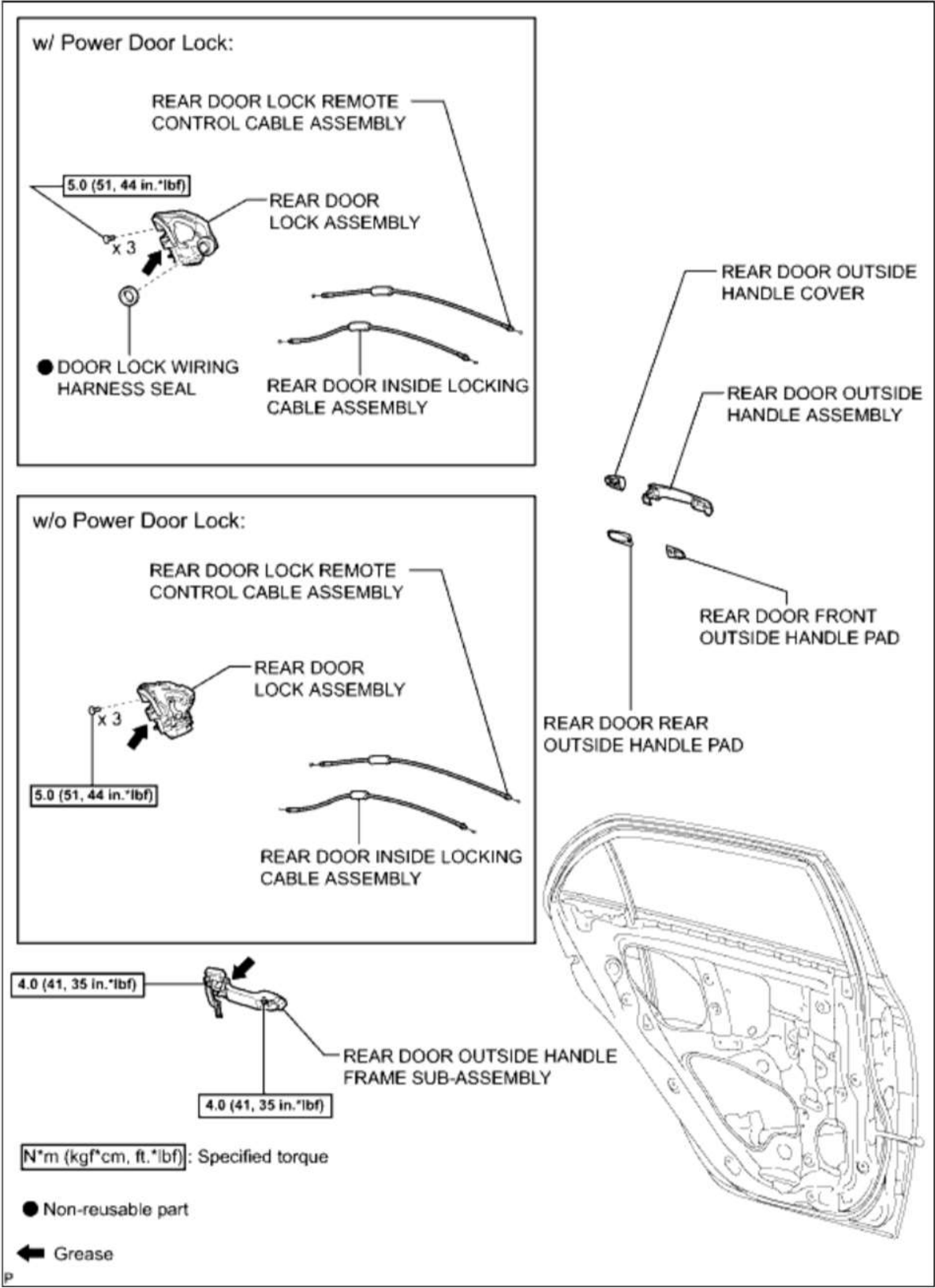
ILLUSTRATION



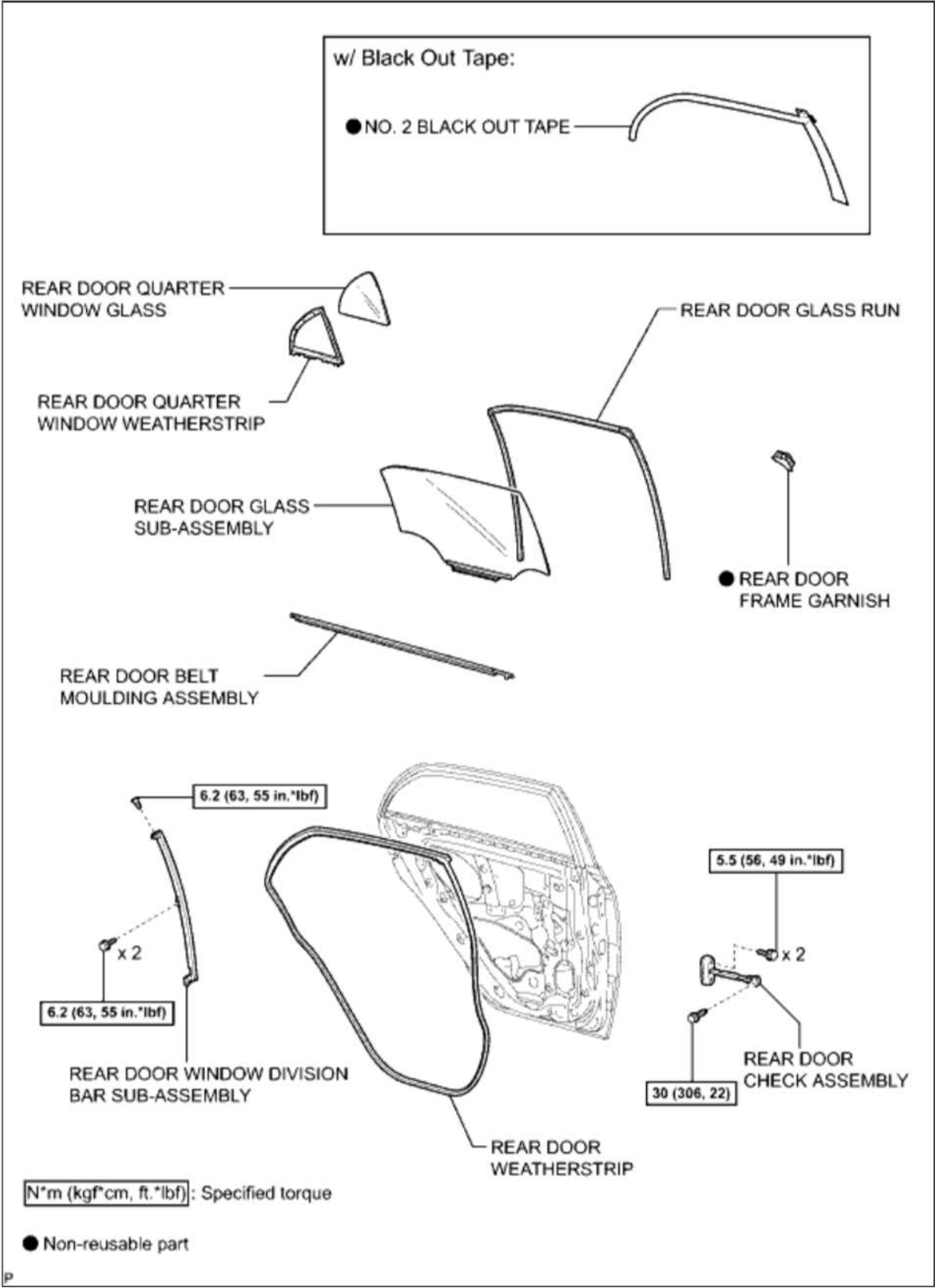
ILLUSTRATION



ILLUSTRATION



ILLUSTRATION



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Last Modified: 3-10-2010	6.4 A	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM0000011RY01VX
Title: DOOR / HATCH: REAR DOOR: REASSEMBLY (2010 Corolla)		

REASSEMBLY

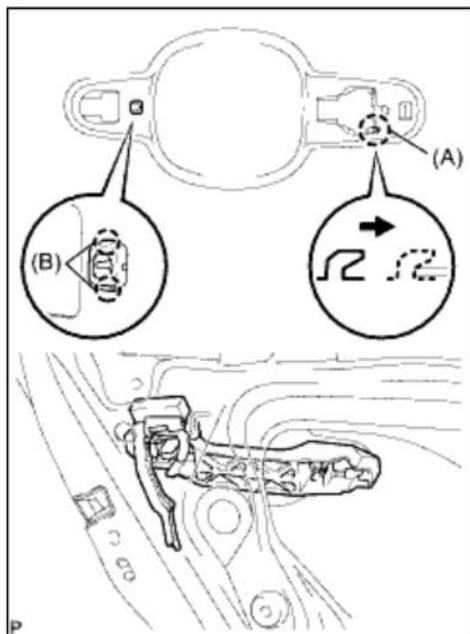
1. REPAIR INSTRUCTION (w/ Black Out Tape) INFO

2. INSTALL NO. 2 BLACK OUT TAPE (w/ Black Out Tape) INFO

3. INSTALL REAR DOOR BELT MOULDING ASSEMBLY INFO

4. INSTALL REAR DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY

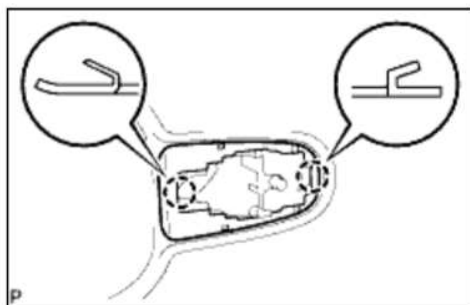
(a) Apply MP grease to the sliding parts of the rear door outside handle frame sub-assembly.



(b) Engage the claw (A) and install the rear door outside handle frame sub-assembly.

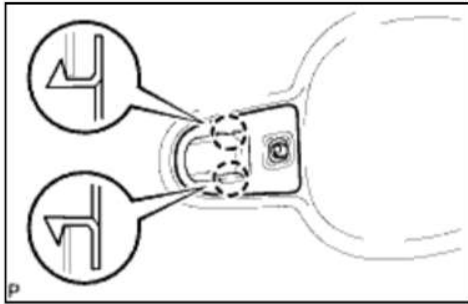
(c) Engage the 2 claws (B).

5. INSTALL REAR DOOR REAR OUTSIDE HANDLE PAD

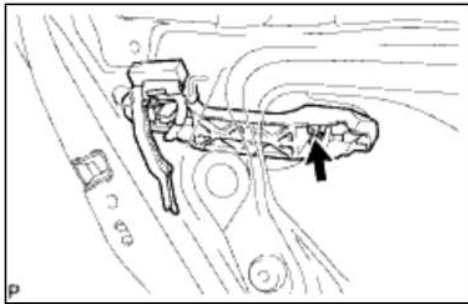


(a) Engage the 2 claws and install the rear door rear outside handle pad.

6. INSTALL REAR DOOR FRONT OUTSIDE HANDLE PAD

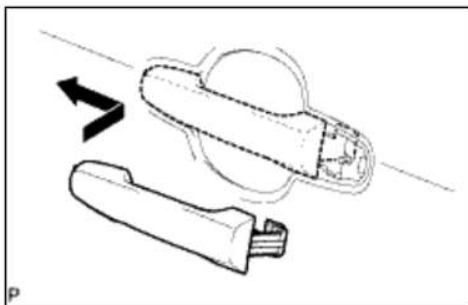


- (a) Engage the 2 claws and install the rear door front outside handle pad.



- (b) Using a "TORX" socket wrench (T30), install the screw.
Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

7. INSTALL REAR DOOR OUTSIDE HANDLE ASSEMBLY



- (a) Insert the front end of the rear door outside handle assembly into the rear door outside handle frame.

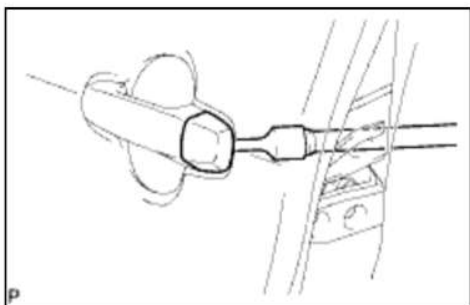
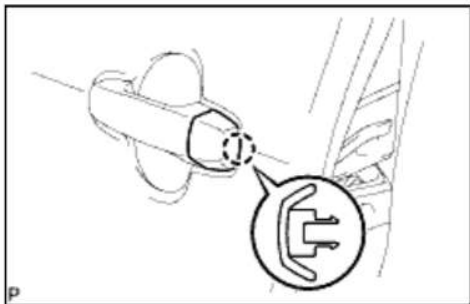
NOTICE:

If the bellcrank lever is not pulled and held when installing the outside handle, the bellcrank lever will interfere with the outside handle and the release plate will be damaged.

- (b) Insert the rear end of the rear door outside handle assembly into the rear door outside handle frame. Next, slide the rear door outside handle assembly toward the front of the vehicle to install it.

8. INSTALL REAR DOOR OUTSIDE HANDLE COVER

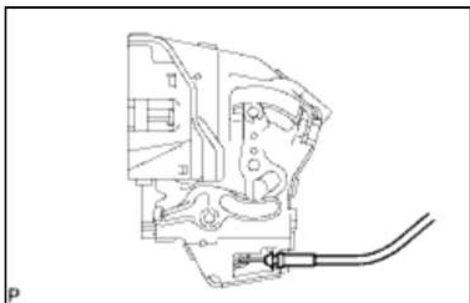
- (a) Engage the claw and install the rear door outside handle cover.



(b) Using a "TORX" socket wrench (T30), install the rear door outside handle cover with the screw.

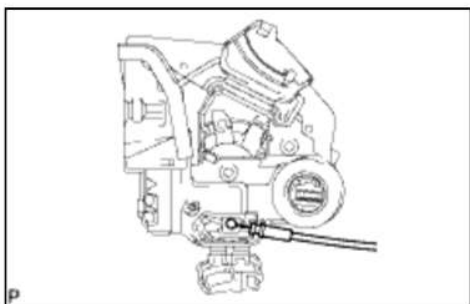
Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

9. INSTALL REAR DOOR INSIDE LOCKING CABLE ASSEMBLY (w/o Power Door Lock)

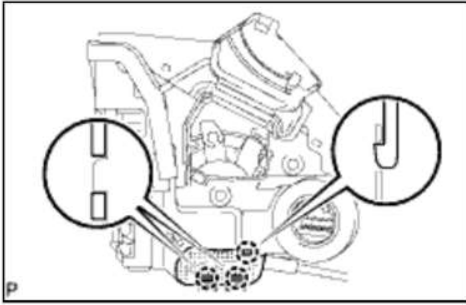


(a) Install the rear door inside locking cable assembly.

10. INSTALL REAR DOOR INSIDE LOCKING CABLE ASSEMBLY (w/ Power Door Lock)

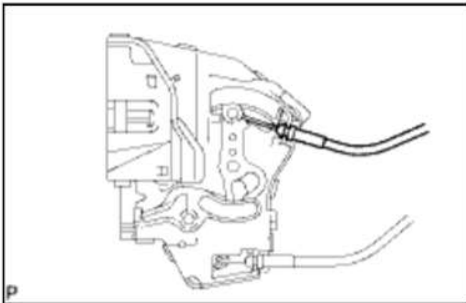


(a) Install the rear door inside locking cable assembly.



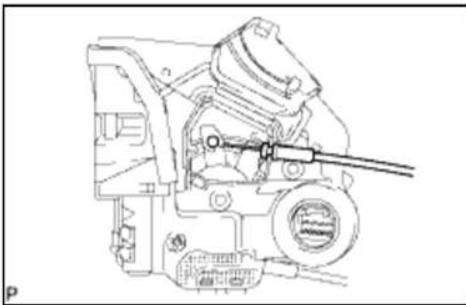
(b) Engage the 3 claws.

11. INSTALL REAR DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY (w/o Power Door Lock)



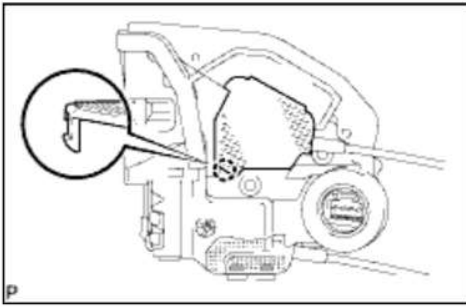
(a) Install the rear door lock remote control cable assembly.

12. INSTALL REAR DOOR LOCK REMOTE CONTROL CABLE ASSEMBLY (w/ Power Door Lock)



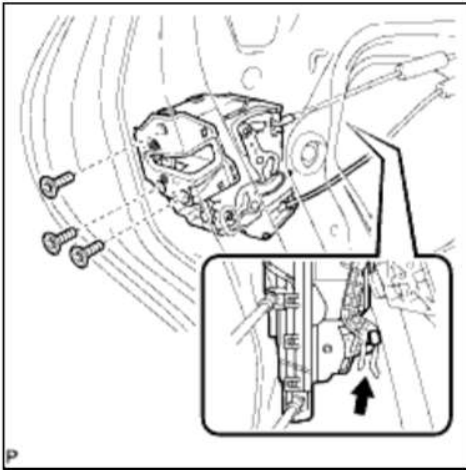
(a) Install the rear door lock remote control cable assembly.

(b) Engage the claw.



13. INSTALL REAR DOOR LOCK ASSEMBLY (w/o Power Door Lock)

(a) Apply MP grease to the sliding parts of the rear door lock assembly.



(b) Insert the rear door lock assembly to the rear door outside handle release plate, and set it to the rear door panel.

(c) Make sure that the rear door outside handle frame release plate is securely connected to the rear door lock assembly.

(d) Using a "TORX" socket wrench (T30), install the rear door lock assembly with the 3 screws.

Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)

14. INSTALL REAR DOOR LOCK ASSEMBLY (w/ Power Door Lock)

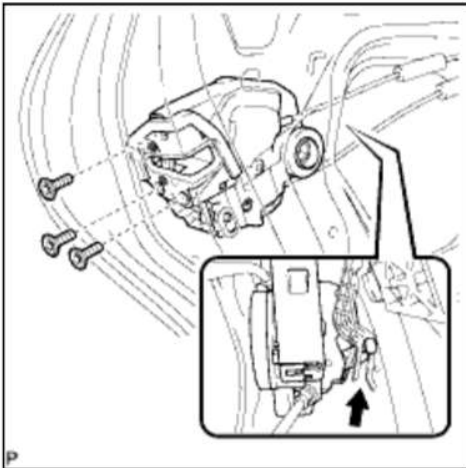
NOTICE:

- When reusing the removed rear door lock assembly, replace the door lock wiring harness seal on the connector with a new one.
- Do not allow grease or dust to adhere to the door lock wiring harness seal surface of the connector.
- Reusing the door lock wiring harness seal or using a damaged door lock wiring harness seal may cause water intrusion. This may result in a malfunction of the rear door lock assembly.

(a) Apply MP grease to the sliding parts of the rear door lock assembly.

(b) Install a new door lock wiring harness seal to the rear door lock assembly.

(c) Insert the rear door lock assembly to the rear door outside



handle release plate, and set it to the rear door panel.

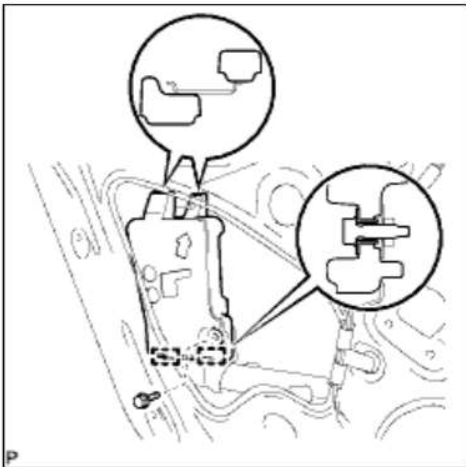
(d) Make sure that the rear door outside handle frame release plate is securely connected to the rear door lock assembly.

(e) Using a "TORX" socket wrench (T30), install the rear door lock assembly with the 3 screws.

Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)

(f) Connect the connector.

15. INSTALL SEPARATOR DOOR NO. 2 STIFFENER CUSHION



(a) Insert the 2 guides and install the separator door No. 2 stiffener cushion with the bolt as shown in the illustration.

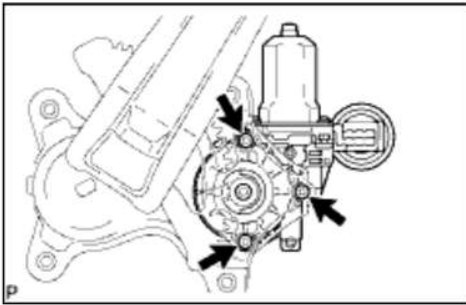
16. INSTALL REAR POWER WINDOW REGULATOR MOTOR ASSEMBLY (w/ Power Window)

NOTICE:

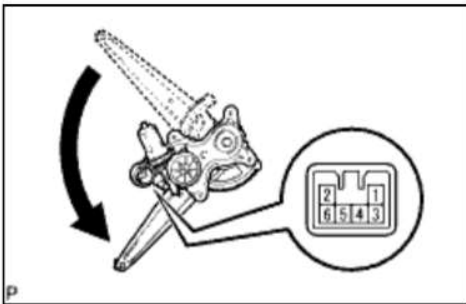
The regulator arm must be below the intermediate position when installing the rear power window regulator motor assembly.

(a) Using a "TORX" socket wrench (T25), install the rear power window regulator motor assembly with the 3 screws.

Torque: 5.4 N·m (55 kgf·cm, 48in·lbf)

**HINT:**

A new rear window regulator uses self-tapping screws to thread new installation holes when the self-tapping screws are inserted.



- (b) Connect a positive (+) lead from the battery to terminal 2, and a negative (-) lead of the battery to terminal 1 of the rear power window regulator motor assembly to move the lift arm to the position shown in the illustration.

17. INSTALL REAR DOOR WINDOW REGULATOR ASSEMBLY (w/o Power Window)

- (a) Apply MP grease to the sliding parts of the rear door window regulator assembly.



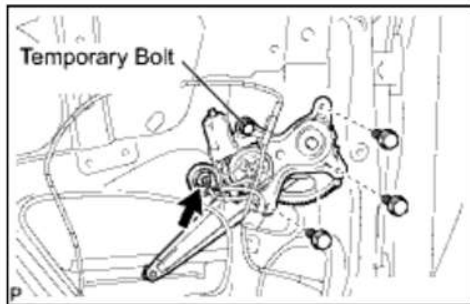
- (b) Install the rear door window regulator assembly with the 3 bolts.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

18. INSTALL REAR DOOR WINDOW REGULATOR SUB-ASSEMBLY (w/ Power Window)

- (a) Apply MP grease to the sliding parts of the rear door window regulator sub-assembly.

- (b) Install the temporary bolt to the rear door window regulator sub-assembly.



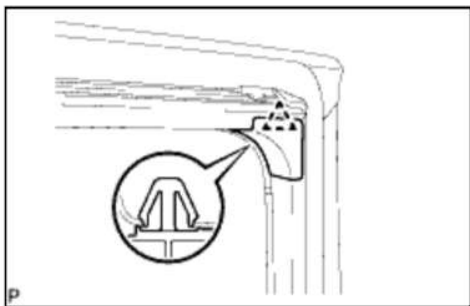
(c) Temporarily install the rear door window regulator sub-assembly.

(d) Tighten the temporary bolt and 3 bolts to install the rear door window regulator sub-assembly.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

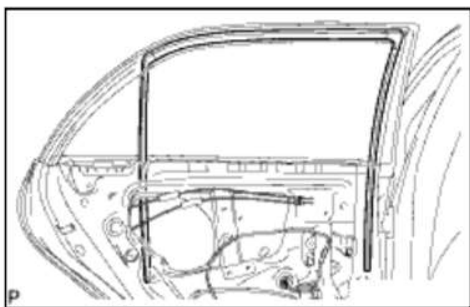
(e) Connect the connector.

19. INSTALL REAR DOOR FRAME GARNISH



(a) Install a new rear door frame garnish with the clip.

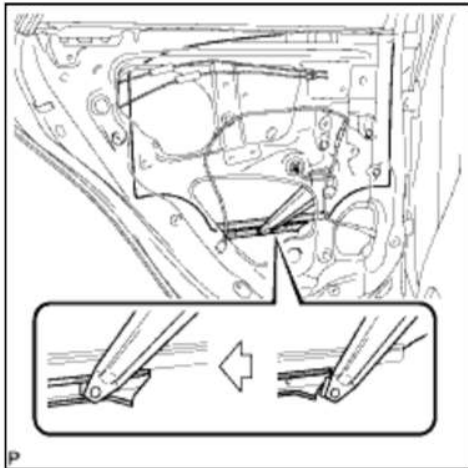
20. INSTALL REAR DOOR GLASS RUN



(a) Install the rear door glass run.

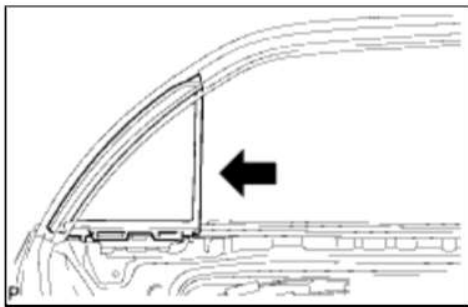
21. INSTALL REAR DOOR GLASS SUB-ASSEMBLY

(a) Slide the rear door glass sub-assembly to install it as shown in the illustration.



22. INSTALL REAR DOOR QUARTER WINDOW GLASS

- (a) Install the rear door quarter window glass to the rear door quarter window weatherstrip.



- (b) Install the rear door quarter window glass together with the rear door quarter window weatherstrip in the direction indicated by the arrow in the illustration.

23. INSTALL REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY

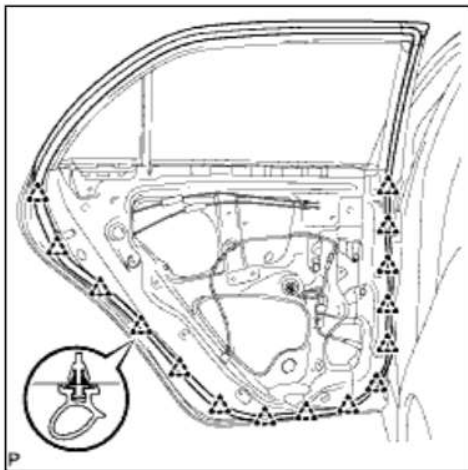
- (a) Insert the rear door window division bar sub-assembly from above.
 (b) Install the rear door glass run to the rear door window division bar sub-assembly.



- (c) Install the rear door window division bar sub-assembly with the 2 bolts and screw.

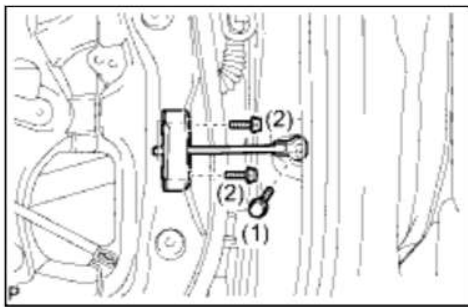
Torque: 6.2 N·m (63 kgf·cm, 55in·lbf)

24. INSTALL REAR DOOR WEATHERSTRIP



(a) Engage the 15 clips and install the rear door weatherstrip.

25. INSTALL REAR DOOR CHECK ASSEMBLY



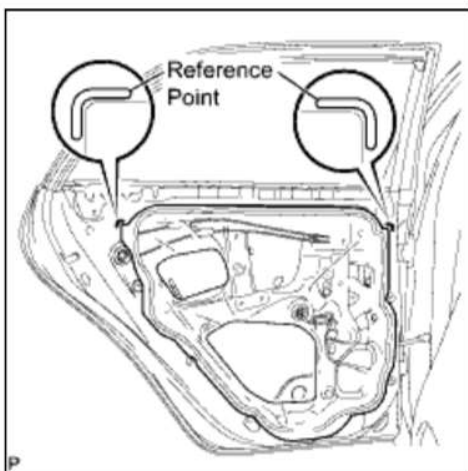
(a) Install the rear door check assembly with the 3 bolts.

Bolt (1) - Torque: 30 N·m (306 kgf·cm, 22ft·lbf)

Bolt (2) - Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)

26. INSTALL REAR DOOR SERVICE HOLE COVER

(a) Apply butyl tape to the rear door panel.



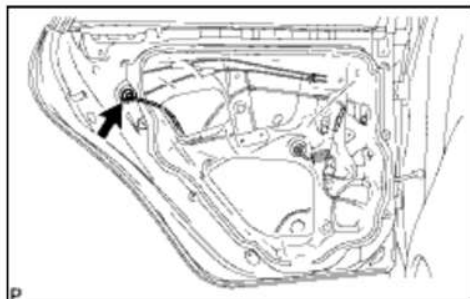
(b) Pass the rear door lock remote control cable, rear door inside locking cable and each connector through a new rear door service hole cover.

(c) Attach the rear door service hole cover according to the reference points on the rear door panel.

NOTICE:

Securely install the rear door service hole cover preventing wrinkles and air bubbles.

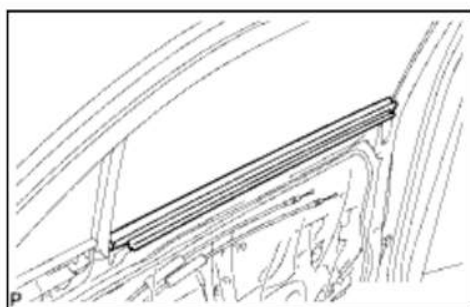
(d) w/ Power door lock:



(1) Connect the connector.

27. INSTALL REAR DOOR TRIM BRACKET

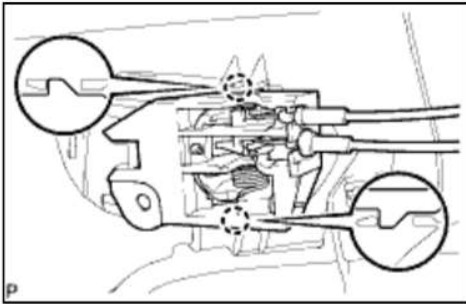
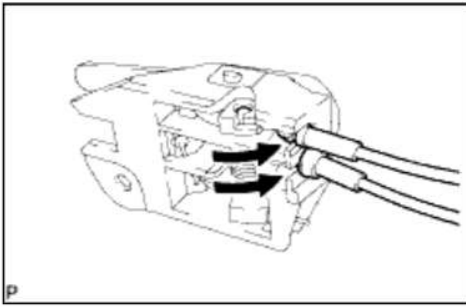
(a) Install the rear door trim bracket with the 2 screws.

28. INSTALL REAR DOOR INNER GLASS WEATHERSTRIP

(a) Install the rear door inner glass weatherstrip.

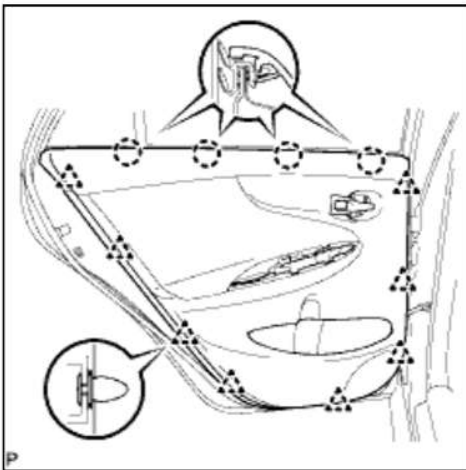
29. INSTALL REAR DOOR INSIDE HANDLE SUB-ASSEMBLY

(a) Connect the rear door lock remote control cable and rear door inside locking cable to the rear door inside handle.



(b) Engage the 2 claws and install the rear door inside handle sub-assembly to the rear door trim board.

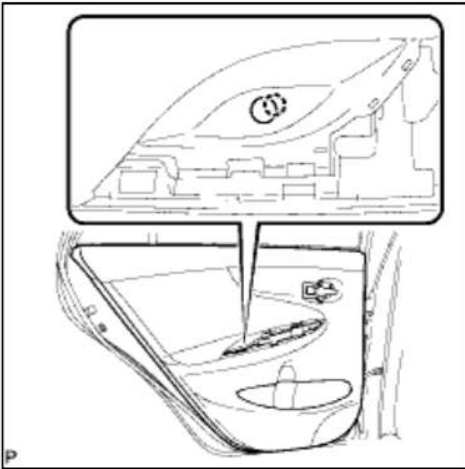
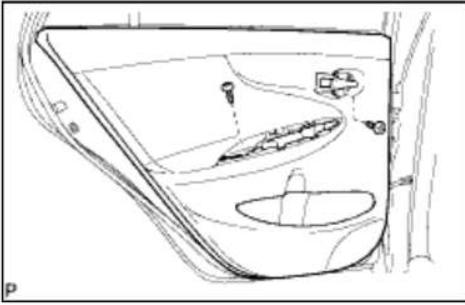
30. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY



(a) Engage the rear door trim board with the 4 claws on the rear door inner glass weatherstrip.

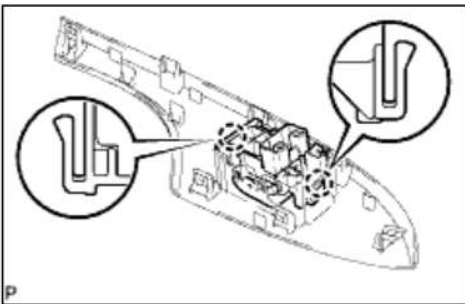
(b) Engage the 8 clips to install the rear door trim board to the rear door panel.

(c) Install the 2 screws.



(d) Engage the claw to install the door armrest cap.

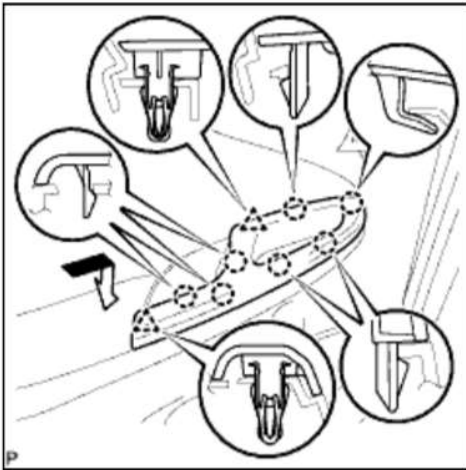
31. INSTALL REAR POWER WINDOW REGULATOR SWITCH ASSEMBLY (w/ Power Window)



(a) Engage the 2 claws and install the rear power window regulator switch assembly.

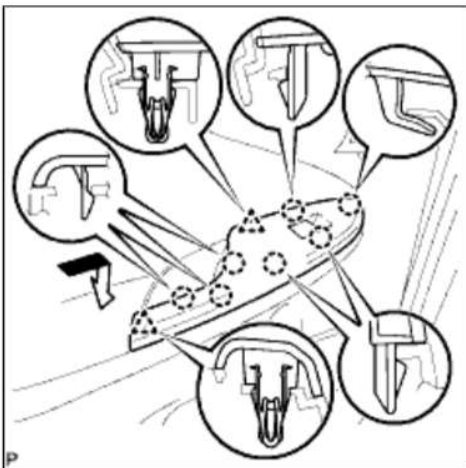
32. INSTALL REAR DOOR ARMREST UPPER BASE PANEL (w/o Power Window)

(a) Engage the 2 clips and 7 claws, and install the rear door armrest upper base panel.



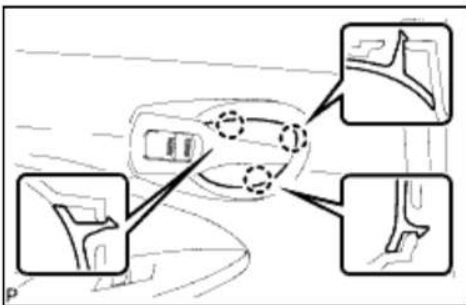
33. INSTALL REAR DOOR ARMREST UPPER BASE PANEL (w/ Power Window)

(a) Connect the connector.



(b) Engage the 2 clips and 7 claws, and install the rear door armrest upper base panel.

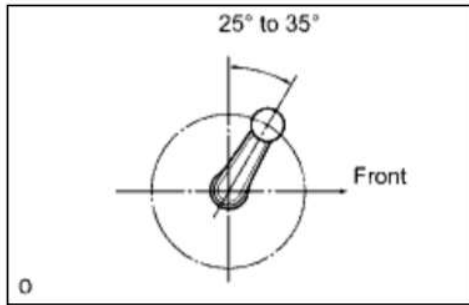
34. INSTALL REAR DOOR INSIDE HANDLE BEZEL



(a) Engage the 3 claws and install the rear door inside handle bezel.

35. INSTALL REAR DOOR WINDOW REGULATOR HANDLE ASSEMBLY (w/o Power Window)

- (a) Temporarily install the rear door window regulator handle assembly and fully close the window glass.
- (b) Install the rear door regulator inside handle plate.
- (c) Install the snap ring to the rear door window regulator handle assembly.



- (d) Install the rear door window regulator handle assembly as shown in the illustration.

36. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

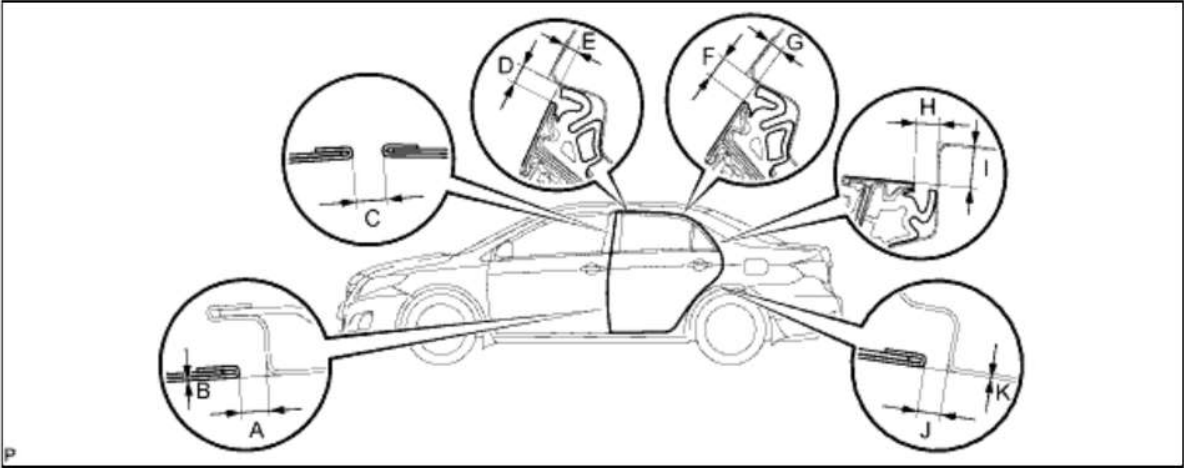


Last Modified: 3-10-2010	6.4 G	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XBL01WX
Title: DOOR / HATCH: REAR DOOR: ON-VEHICLE INSPECTION (2010 Corolla)		

ON-VEHICLE INSPECTION

1. INSPECT REAR DOOR PANEL SUB-ASSEMBLY

(a) Check that the clearance measurements of areas A through K are within each standard range.

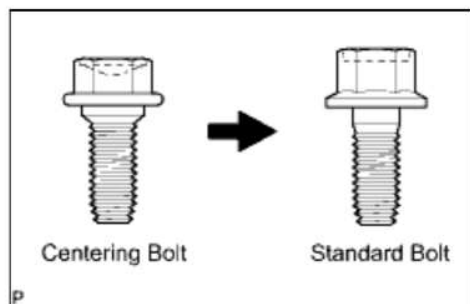


Standard Clearance:

AREA	MEASUREMENT	AREA	MEASUREMENT
A	3.0 to 6.0 mm (0.118 to 0.236 in.)	G	3.6 to 6.6 mm (0.142 to 0.260 in.)
B	-1.5 to 1.5 mm (-0.0591 to 0.0591 in.)	H	4.8 to 7.8 mm (0.189 to 0.307 in.)
C	3.0 to 6.0 mm (0.118 to 0.236 in.)	I	12.4 to 15.4 mm (0.488 to 0.606 in.)
D	3.8 to 6.8 mm (0.150 to 0.268 in.)	J	2.5 to 5.5 mm (0.0984 to 0.217 in.)
E	3.2 to 6.2 mm (0.126 to 0.244 in.)	K	-1.5 to 1.5 mm (-0.0591 to 0.0591 in.)
F	5.0 to 8.0 mm (0.197 to 0.315 in.)	-	-

Last Modified: 3-10-2010	6.4 N	From: 200901
Model Year: 2010	Model: Corolla	Doc ID: RM000000XBJ02HX
Title: DOOR / HATCH: REAR DOOR: ADJUSTMENT (2010 Corolla)		

ADJUSTMENT



CAUTION:

Before adjusting the door positions of vehicles equipped with side and curtain shield airbags, be sure to disconnect the battery. After adjustment, check that the SRS warning light is operating normally and there are no SRS DTCs output.

HINT:

- Use the same procedure for the RH side and LH side.
- The procedure listed below is for the LH side.
- Centering bolts are used to mount the door hinge to the vehicle body and door. The door cannot be adjusted with the centering bolts installed on it. Substitute the centering bolts with standard bolts when making adjustments.
- Specified torque for standard bolts is shown in the standard bolt chart .

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

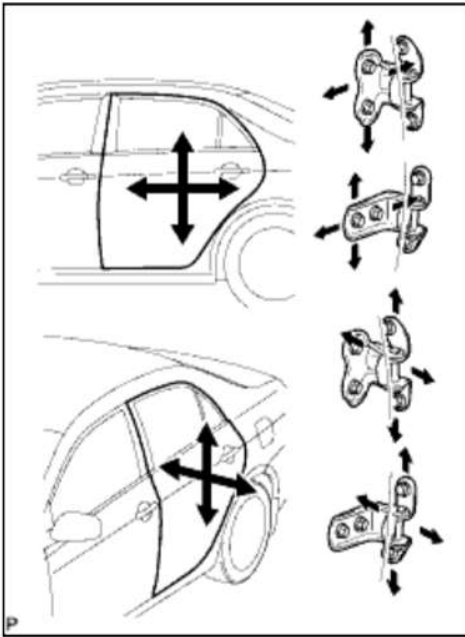
CAUTION:

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

2. ADJUST REAR DOOR

- (a) Using SST, loosen the hinge bolts on the vehicle body and adjust the door position.

SST: 09812-00010



(b) Tighten the hinge bolts on the vehicle body after the adjustment.

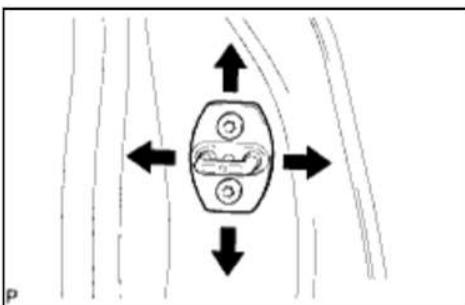
Torque: 26 N·m (265 kgf·cm, 19ft·lbf)

(c) Loosen the hinge bolts on the door and adjust the door position.

(d) Tighten the hinge bolts on the door after the adjustment.

Unpainted door hinge installation surface (door panel side) - Torque: 26 N·m (265 kgf·cm, 19ft·lbf)

Painted door hinge installation surface (door panel side) - Torque: 29 N·m (296 kgf·cm, 21ft·lbf)



(e) Adjust the striker position by slightly loosening the striker mounting screws with a "TORX" socket wrench (T40) and hitting the striker with a plastic hammer.

(f) Using a "TORX" socket wrench (T40), tighten the striker mounting screws after the adjustment.

Torque: 23 N·m (235 kgf·cm, 17ft·lbf)

3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

4. INSPECT SRS WARNING LIGHT

