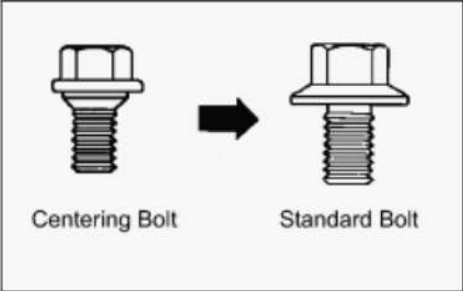


Last Modified: 9-7-2011	6.4 N	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000001J9300PX
Title: ENGINE HOOD / DOOR: BACK DOOR: ADJUSTMENT (2011 RAV4)		

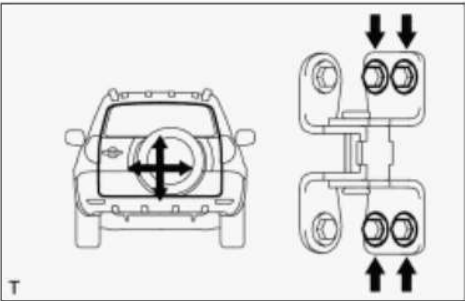
ADJUSTMENT



HINT:

- Centering bolts are used to mount the door hinge to the door. The door cannot be adjusted with the centering bolts on. Substitute the centering bolts with standard bolts (with washers) when making adjustments.
- A bolt without a torque specification is shown in the standard bolt chart [INFO](#) .

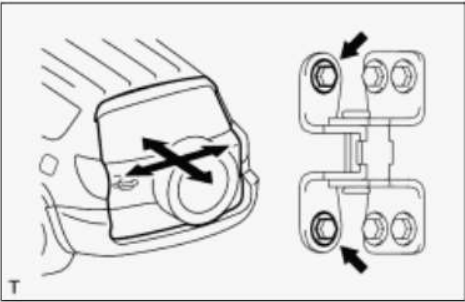
1. ADJUST BACK DOOR



(a) Loosen the hinge bolts on the body and adjust the position of the door.

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

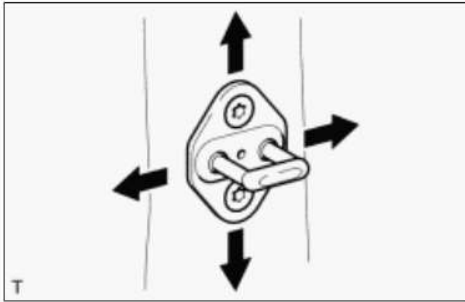
Torque: 26 N·m (265 kgf·cm, 19ft·lbf)



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

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

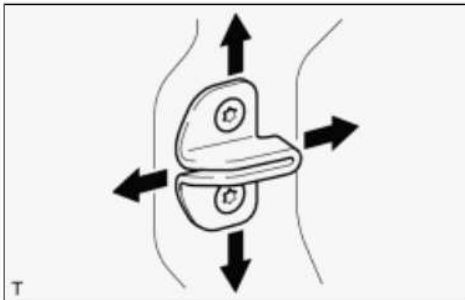
Torque: 36 N·m (367 kgf·cm, 27ft·lbf)



(e) Using a T40 "TORX" socket, adjust the striker position by slightly loosening the striker mounting screws and then hitting the striker with a plastic-faced hammer.

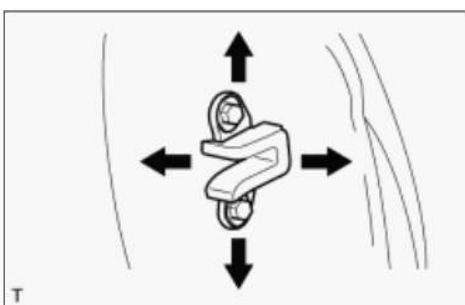
(f) Using a T40 "TORX" socket, tighten the striker mounting screws after the adjustment.

Torque: 23 N·m (235 kgf·cm, 17ft·lbf)



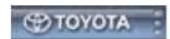
(g) Using a T30 "TORX" socket, adjust the male stopper position by slightly loosening the stopper mounting screws and then hitting the stopper with a plastic-faced hammer.

(h) Using a T30 "TORX" socket, tighten the male stopper mounting screws after the adjustment.



(i) Loosen the female stopper bolts and adjust the stopper position.

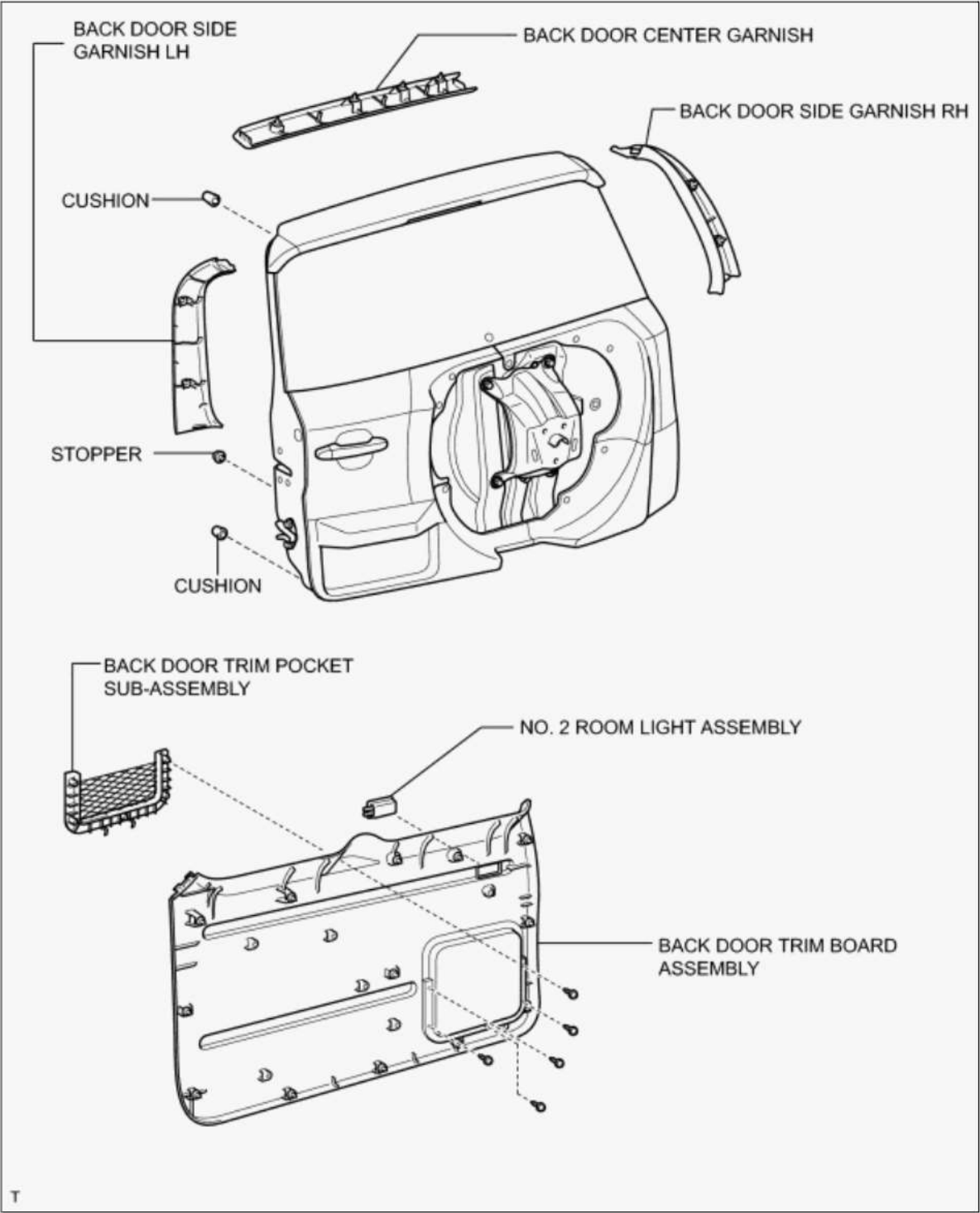
(j) Tighten the female stopper bolts after the adjustment.



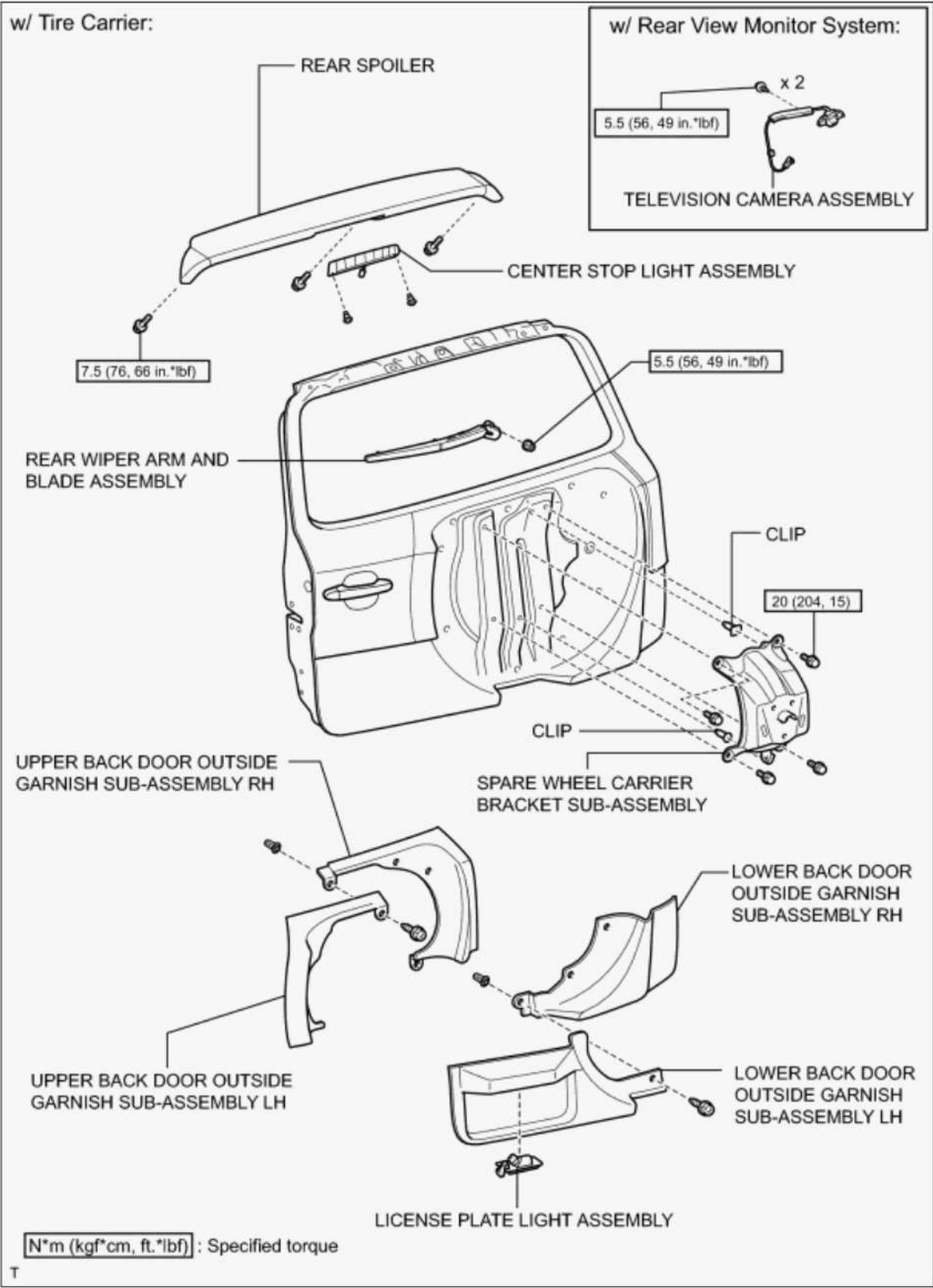
Last Modified: 9-7-2011	6.4 K	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000020SG00GX
Title: ENGINE HOOD / DOOR: BACK DOOR: COMPONENTS (2011 RAV4)		

COMPONENTS

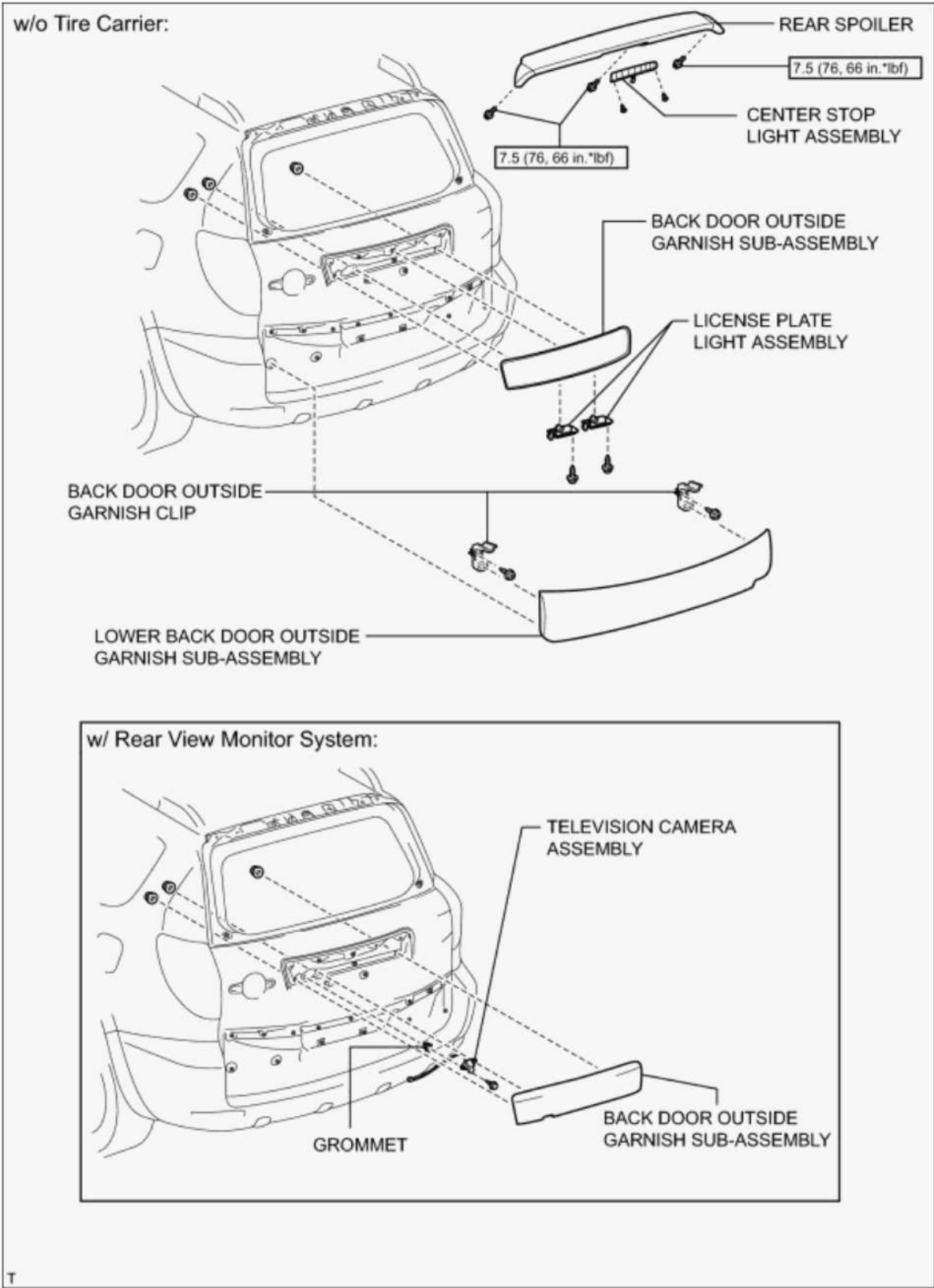
ILLUSTRATION



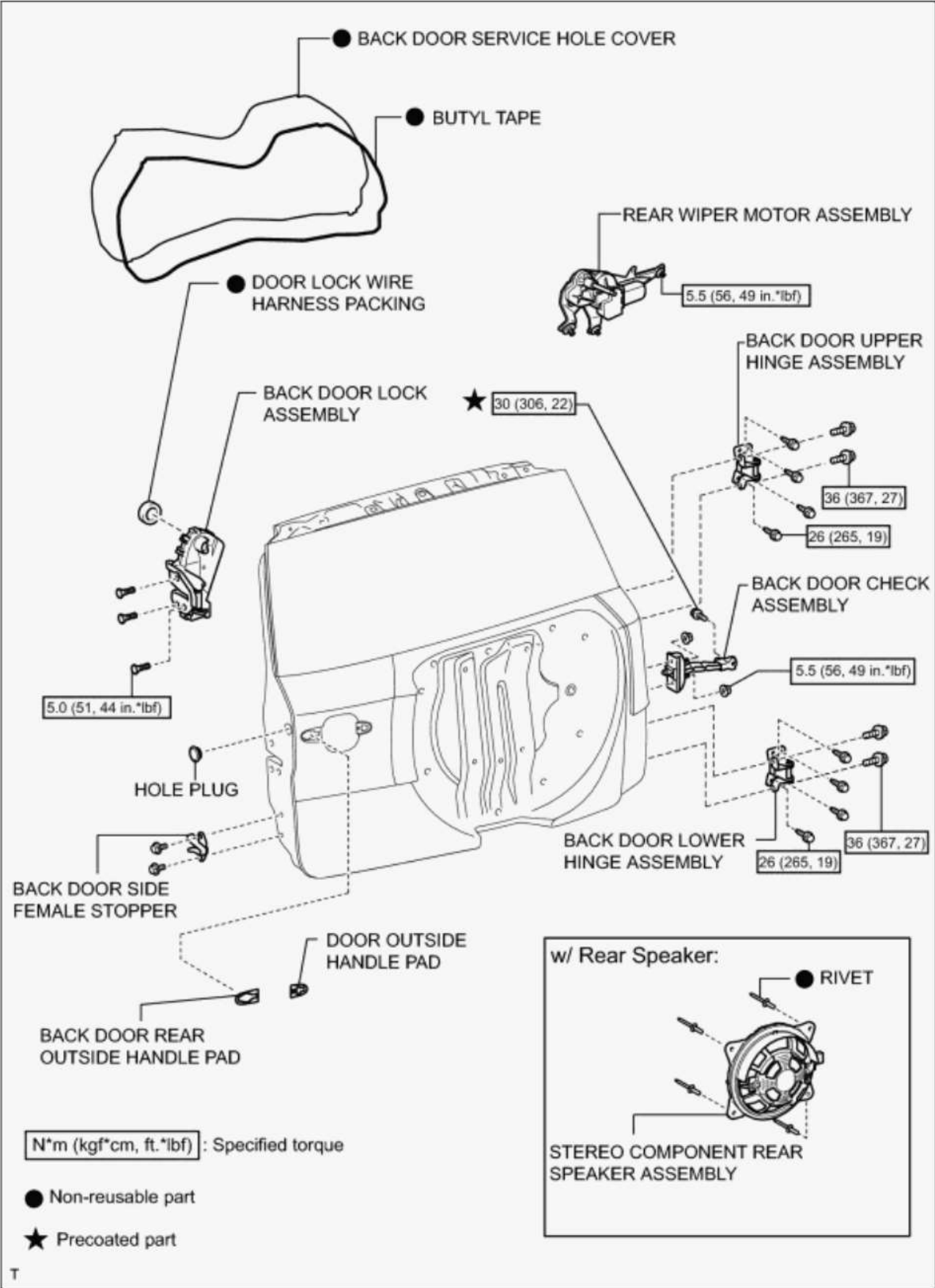
ILLUSTRATION



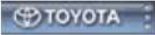
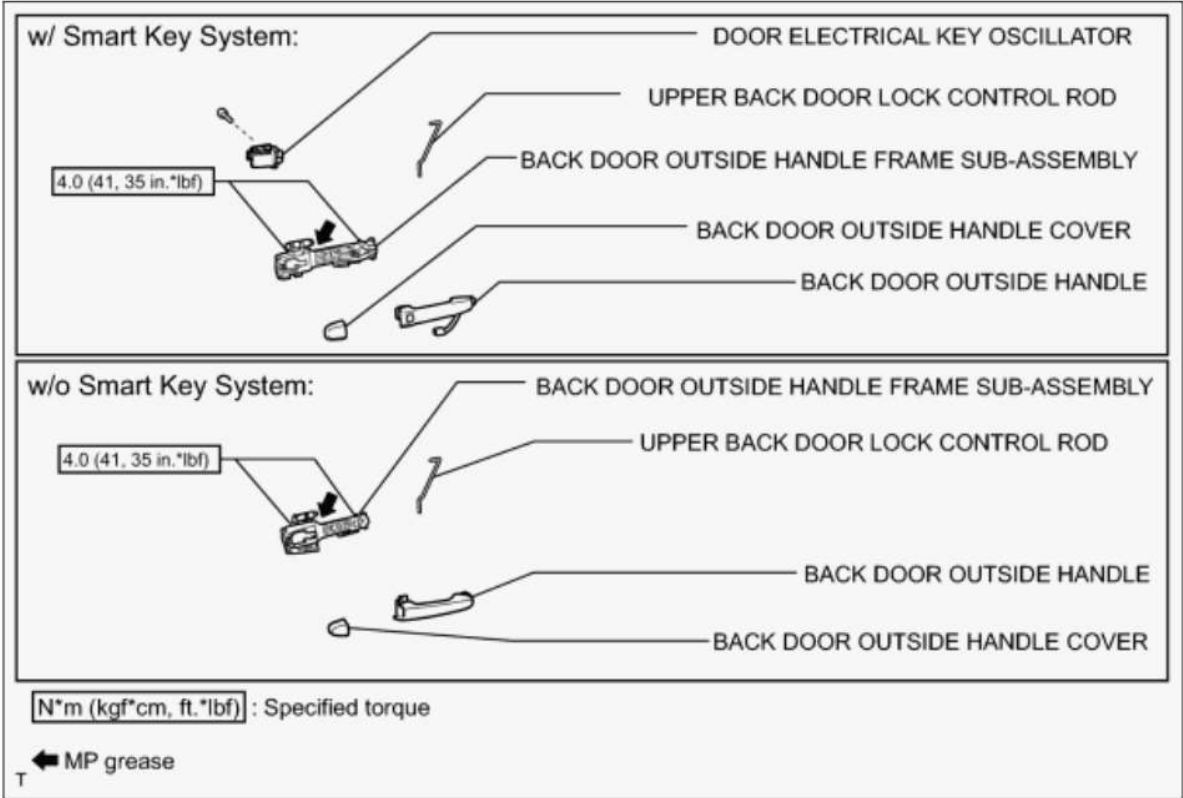
ILLUSTRATION



ILLUSTRATION



ILLUSTRATION



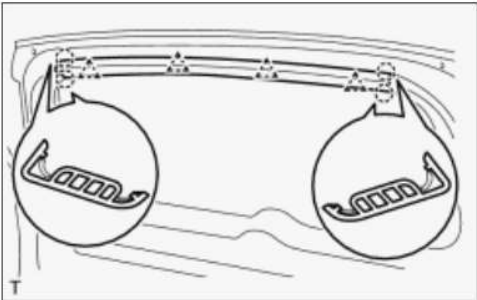
Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000001J9500SX
Title: ENGINE HOOD / DOOR: BACK DOOR: DISASSEMBLY (2011 RAV4)		

DISASSEMBLY

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

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

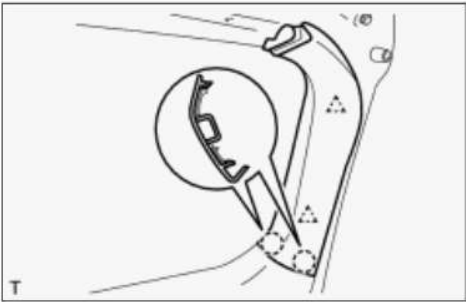
2. REMOVE BACK DOOR CENTER GARNISH



(a) Using a screwdriver, detach the 4 claws and 4 clips, and remove the garnish.

HINT:
Tape the screwdriver tip before use.

3. REMOVE BACK DOOR SIDE GARNISH LH



(a) Using a screwdriver, detach the 2 claws and 2 clips, and remove the garnish.

4. REMOVE BACK DOOR SIDE GARNISH RH

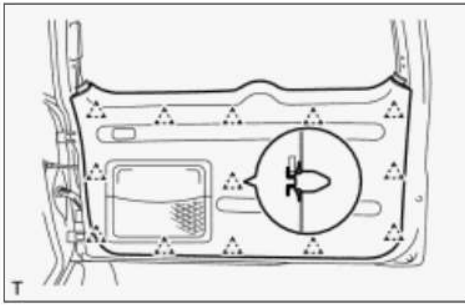
HINT:
Use the same procedures described for the LH side.

5. REMOVE NO. 2 ROOM LIGHT ASSEMBLY

INFO

6. REMOVE BACK DOOR TRIM BOARD ASSEMBLY

(a) Using a screwdriver, detach the 13 clips and remove the trim board.

**HINT:**

- Tape the screwdriver tip before use.
- If the screwdriver cannot reach the clips, pull on the bottom of the trim board to remove it.

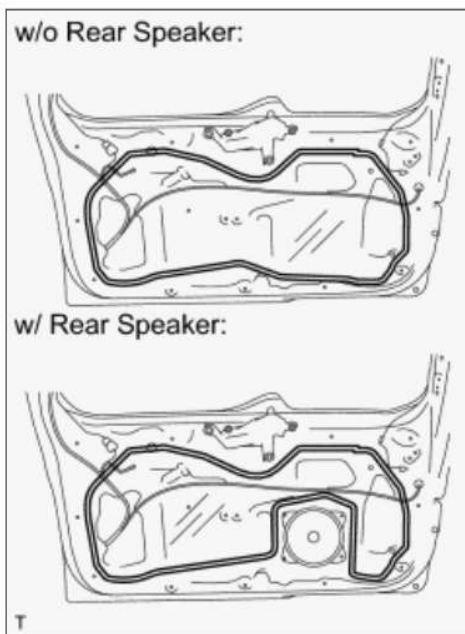
(b) Remove the 5 screws and back door trim pocket.

(c) w/ Rear Speaker:

Using a screwdriver, detach the claws and remove the rear speaker grille.

HINT:

Tape the screwdriver tip before use.

7. REMOVE BACK DOOR SERVICE HOLE COVER

(a) Disconnect each connector and remove the service hole cover.

HINT:

Remove any tape remaining on the door.

8. REMOVE REAR WIPER ARM AND BLADE ASSEMBLY [INFO](#)**9. REMOVE REAR SPOILER** [INFO](#)**10. REMOVE CENTER STOP LIGHT ASSEMBLY** [INFO](#)**11. REMOVE LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY (w/o Tire Carrier)** [INFO](#)**12. REMOVE BACK DOOR OUTSIDE GARNISH CLIP (w/o Tire Carrier)** [INFO](#)**13. REMOVE BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY (w/o Tire Carrier)** [INFO](#)

14. REMOVE LICENSE PLATE LIGHT ASSEMBLY

(a) w/ Tire Carrier:

Remove the license plate light INFO.

(b) w/o Tire Carrier:

Remove the license plate light INFO.

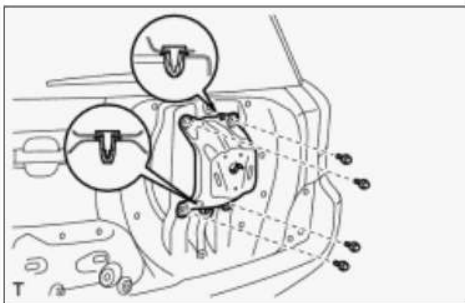
15. REMOVE LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY LH (w/ Tire Carrier)INFO**16. REMOVE TELEVISION CAMERA ASSEMBLY (w/ Rear View Monitor System)**

(a) w/ Tire Carrier:

Remove the television camera INFO.

(b) w/o Tire Carrier:

Remove the television camera INFO.

17. REMOVE UPPER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY LH (w/ Tire Carrier)INFO**18. REMOVE LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY RH (w/ Tire Carrier)**INFO**19. REMOVE UPPER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY RH (w/ Tire Carrier)**INFO**20. REMOVE SPARE WHEEL CARRIER BRACKET SUB-ASSEMBLY (w/ Tire Carrier)**

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

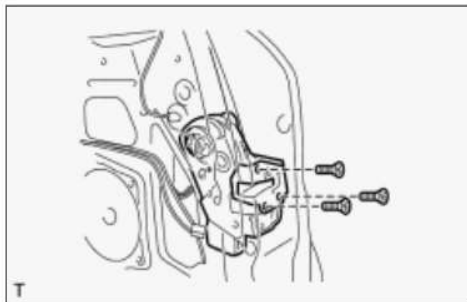
(b) Remove the 4 bolts and bracket.

21. REMOVE REAR WIPER MOTOR ASSEMBLY INFO**22. REMOVE STEREO COMPONENT REAR SPEAKER ASSEMBLY (w/ Rear Speaker)** INFO**23. REMOVE BACK DOOR LOCK ASSEMBLY**

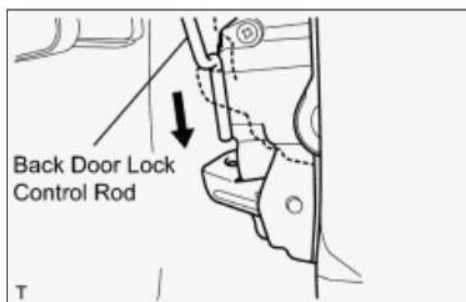
(a) Disconnect the connector.

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

NOTICE:



Be careful when removing the screws as the door lock may fall and become damaged.

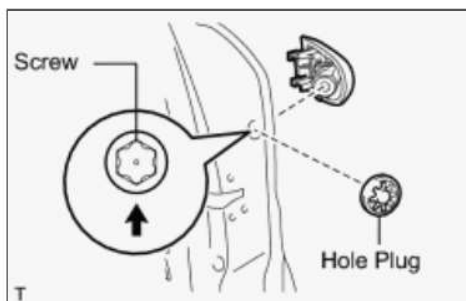


(c) Slide the door lock downward to disconnect the back door lock control rod from the door lock. Then remove the door lock.

HINT:

Remove the door lock through the service hole.

24. REMOVE BACK DOOR OUTSIDE HANDLE COVER



(a) Remove the hole plug.

(b) Using a T30 "TORX" socket, loosen the screw and remove the cover.

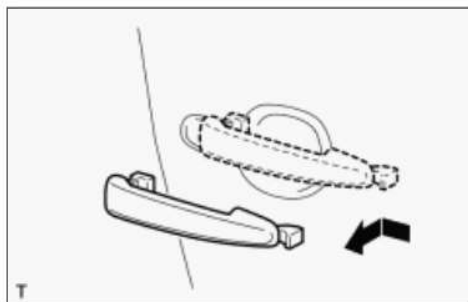
HINT:

Loosen but do not remove the screw.

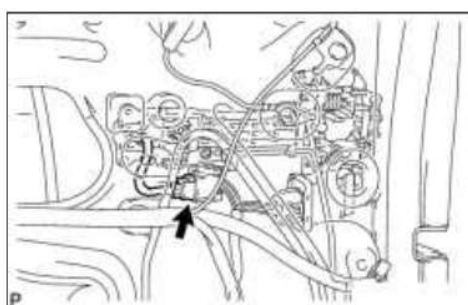
25. REMOVE BACK DOOR OUTSIDE HANDLE

(a) w/o Smart Key System:

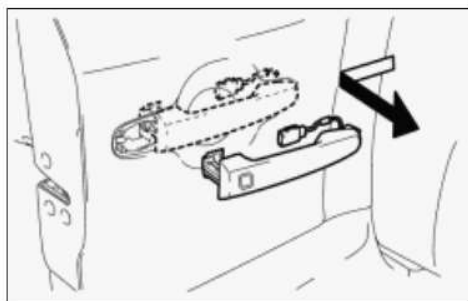
(1) Remove the handle by sliding and pulling it in the direction indicated by the arrow in the illustration.



(b) w/ Smart Key System:

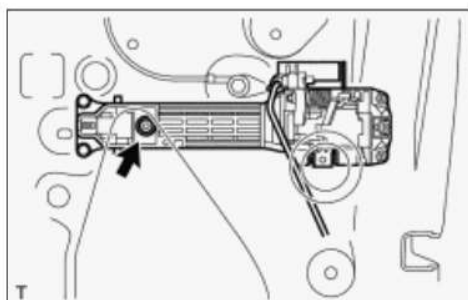


(1) Disconnect the connector.



(2) Remove the handle by sliding and pulling it in the direction indicated by the arrow in the illustration.

26. REMOVE BACK DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY

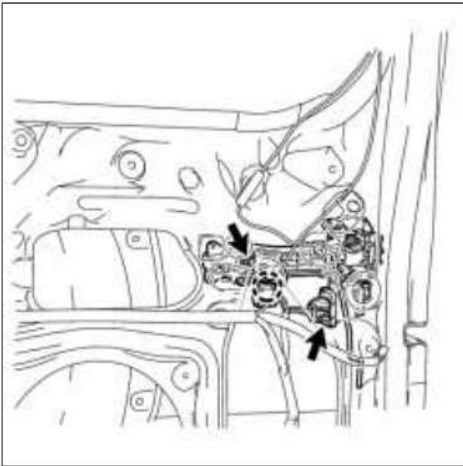


(a) w/o Smart Key System:

(1) Using a T30 "TORX" socket, loosen the screw of the frame.

HINT:

Loosen but do not remove the screw.

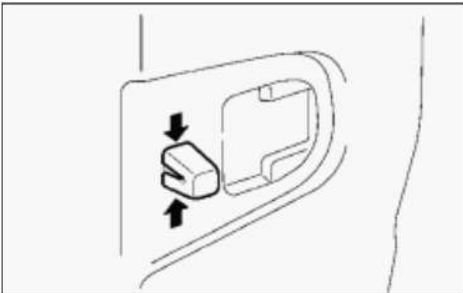


(b) w/ Smart Key System:

- (1) Disconnect the connector.
- (2) Detach the claw and remove the wire harness from the frame.
- (3) Using a T30 "TORX" socket, loosen the screw of the frame.

HINT:

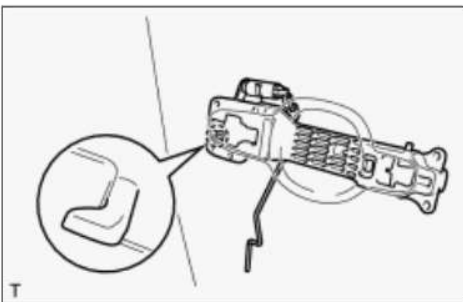
Loosen but do not remove the screw.



(c) Using pliers, pinch the clip.

NOTICE:

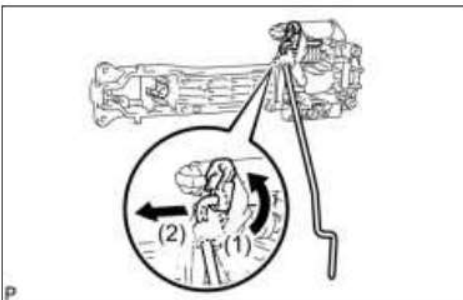
Be sure to remove the outside handle frame together with the clip, as the clip will be damaged if it remains attached to the door panel.



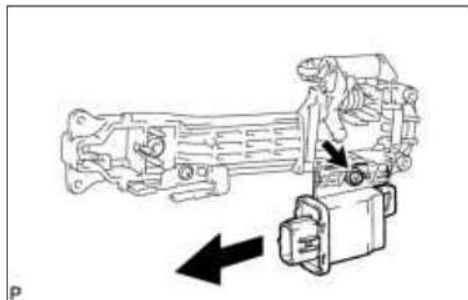
(d) Detach the claw and remove the frame.

HINT:

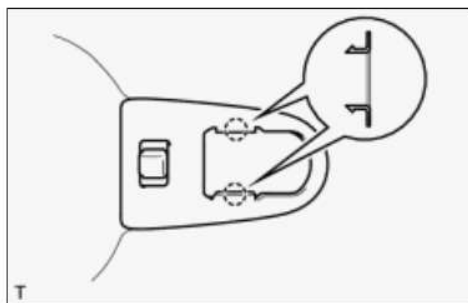
Remove the frame through the service hole.



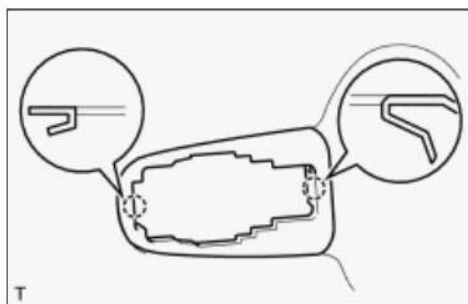
(e) Remove the upper back door lock control rod as shown in the illustration.

27. REMOVE DOOR ELECTRICAL KEY OSCILLATOR (w/ Smart Key System)

(a) Remove the screw and door electrical key oscillator.

28. REMOVE DOOR OUTSIDE HANDLE PAD

(a) Detach the 2 claws and remove the pad.

29. REMOVE BACK DOOR REAR OUTSIDE HANDLE PAD

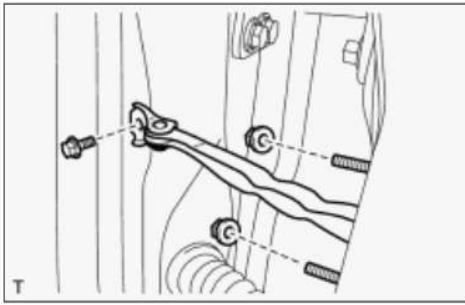
(a) Detach the 2 claws and remove the pad.

30. REMOVE BACK DOOR CHECK ASSEMBLY

(a) Remove the bolt, 2 nuts and door check.

HINT:

Remove the door check through the service hole.



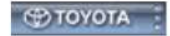
31. REMOVE BACK DOOR SIDE FEMALE STOPPER SUB-ASSEMBLY RH

- (a) Remove the 2 bolts and stopper.

32. REMOVE CUSHION

- (a) Remove the 2 cushions.

33. REMOVE LOWER BACK DOOR STOPPER

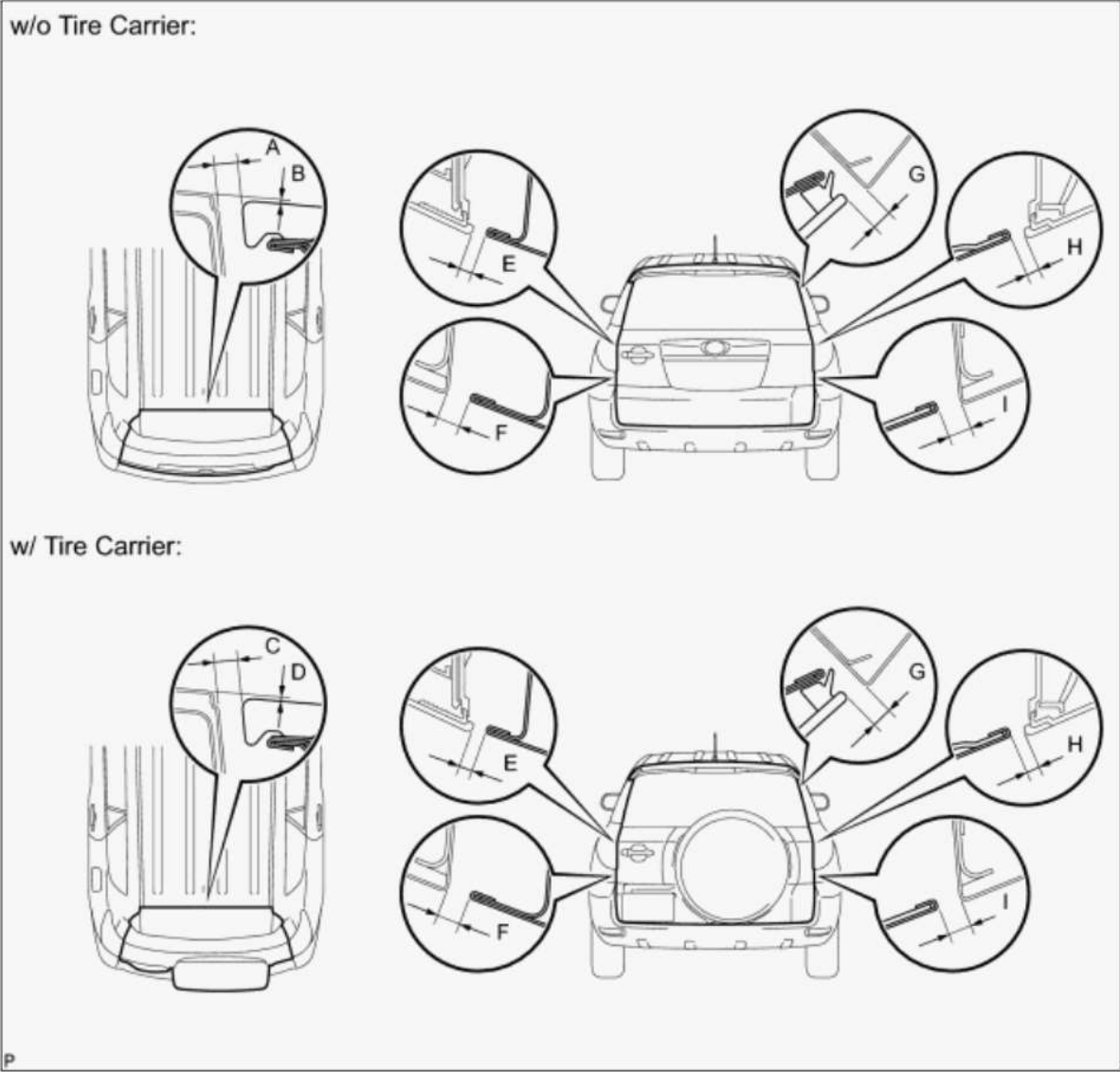


Last Modified: 9-7-2011	6.4 G	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000001JEA00NX
Title: ENGINE HOOD / DOOR: BACK DOOR: ON-VEHICLE INSPECTION (2011 RAV4)		

ON-VEHICLE INSPECTION

1. INSPECT BACK DOOR

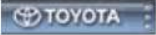
(a) Check that the clearance measurements of areas A to I are within the standard range.



Standard:

AREA	SPECIFIED CONDITION	AREA	SPECIFIED CONDITION
A	5.4 to 9.4 mm (0.213 to 0.370 in.)	F	4.7 to 7.7 mm (0.185 to 0.303 in.)
B	1.4 mm (0.0551 in.)	G	4.3 to 7.3 mm (0.169 to 0.287 in.)
C	6.1 to 10.1 mm (0.240 to 0.398 in.)	H	4.2 to 7.2 mm (0.165 to 0.284 in.)

AREA	SPECIFIED CONDITION	AREA	SPECIFIED CONDITION
D	1.0 mm (0.394 in.)	I	4.7 to 7.7 mm (0.185 to 0.303 in.)
E	4.1 to 7.1 mm (0.161 to 0.280 in.)	-	-



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000001J9600SX
Title: ENGINE HOOD / DOOR: BACK DOOR: REASSEMBLY (2011 RAV4)		

REASSEMBLY

HINT:

A bolt without a torque specification is shown in the standard bolt chart [INFO](#).

1. INSTALL LOWER BACK DOOR STOPPER

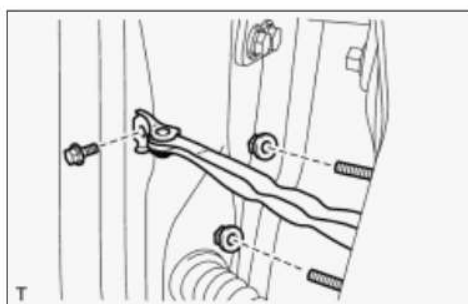
2. INSTALL CUSHION

- (a) Install the 2 cushions.

3. INSTALL BACK DOOR SIDE FEMALE STOPPER SUB-ASSEMBLY RH

- (a) Install the stopper with the 2 bolts.

4. INSTALL BACK DOOR CHECK ASSEMBLY



- (a) Apply MP grease to the sliding areas of the back door check.

- (b) Install the door check to the back door panel with the 2 nuts.

Torque: 5.5 N·m (56 kgf·cm, 49in·lbf) for nut

- (c) Apply adhesive to the bolt.

Adhesive:

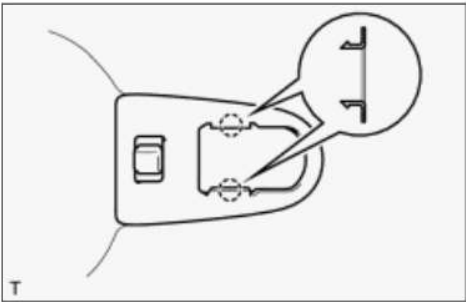
Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

- (d) Install the door check to the body panel with the bolt.

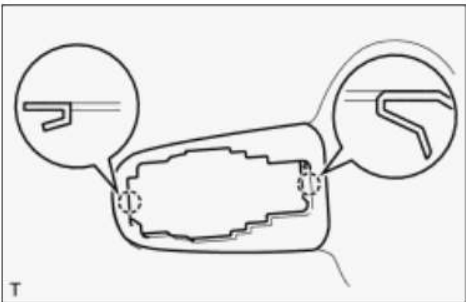
Torque: 30 N·m (306 kgf·cm, 22ft·lbf) for bolt

5. INSTALL DOOR OUTSIDE HANDLE PAD

- (a) Attach the 2 claws to install the pad.

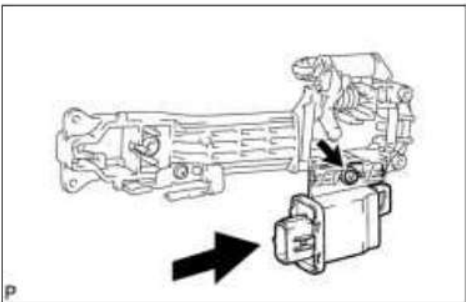


6. INSTALL BACK DOOR REAR OUTSIDE HANDLE PAD



(a) Attach the 2 claws to install the pad.

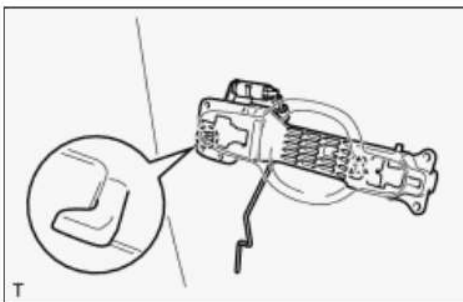
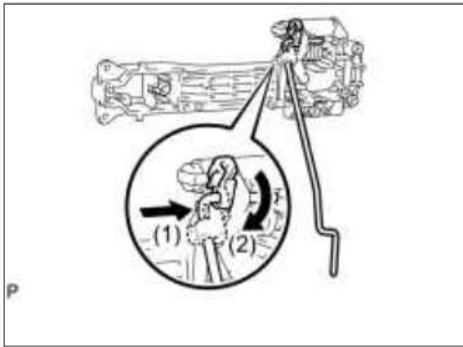
7. INSTALL DOOR ELECTRICAL KEY OSCILLATOR (w/ Smart Key System)



(a) Install the door electrical key oscillator with the screw.

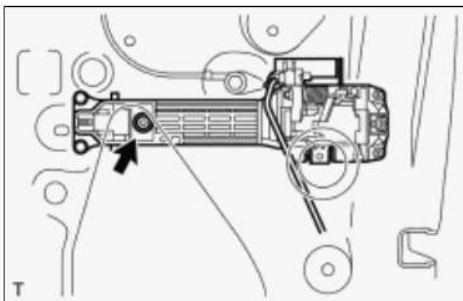
8. INSTALL BACK DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY

(a) Install the upper back door lock control rod as shown in the illustration.



(b) Attach the claw and clip to install the frame.

(c) w/o Smart Key System:



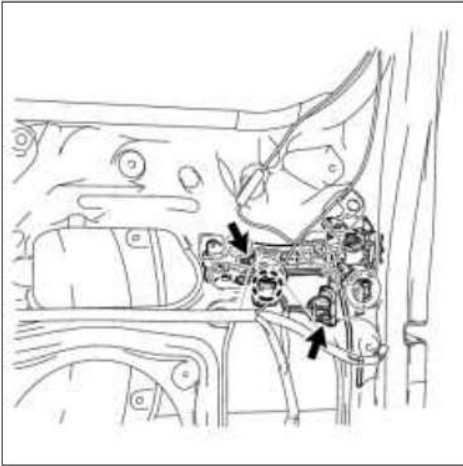
(1) Using a T30 "TORX" socket, tighten the screw.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

(d) w/ Smart Key System:

(1) Using a T30 "TORX" socket, tighten the screw.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

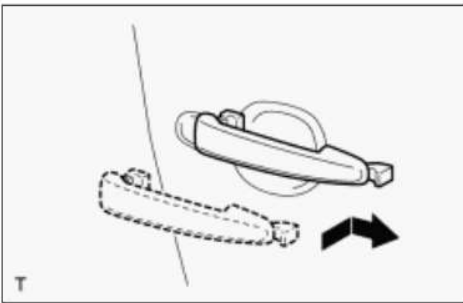


(2) Attach the claw to install the wire harness to the frame.

(3) Connect the connector.

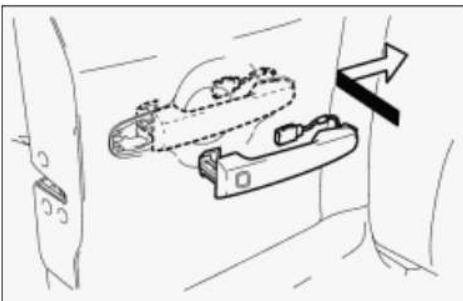
9. INSTALL BACK DOOR OUTSIDE HANDLE

(a) w/o Smart Key System:



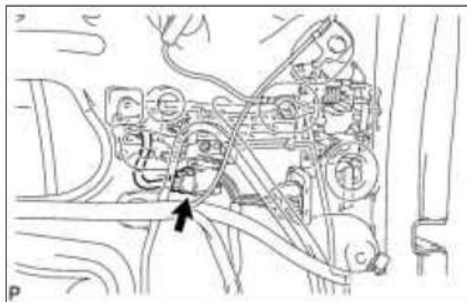
(1) Install the handle by pushing and sliding it in the direction indicated by the arrow in the illustration.

(b) w/ Smart Key System:

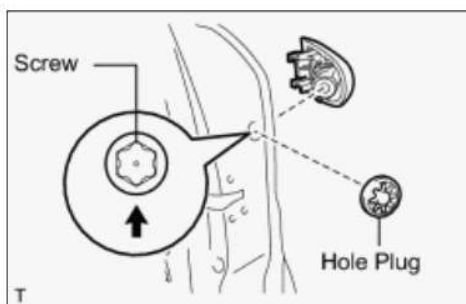


(1) Install the handle by pushing and sliding it in the direction indicated by the arrow in the illustration.

(2) Connect the connector.



10. INSTALL BACK DOOR OUTSIDE HANDLE COVER



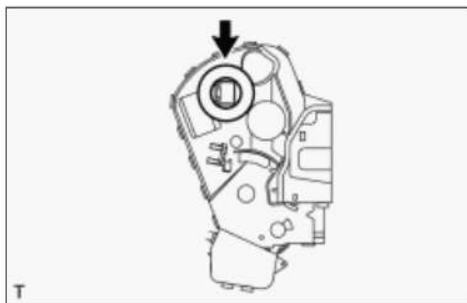
- (a) Tighten the screw using a T30 "TORX" socket to install the cover.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

- (b) Install the hole plug.

11. INSTALL BACK DOOR LOCK ASSEMBLY

- (a) Apply MP grease to the sliding and rotating areas of the back door lock.



- (b) Install a new door lock wire harness packing.

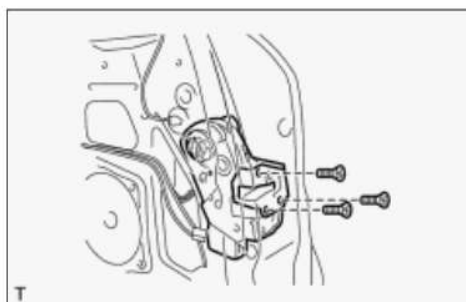
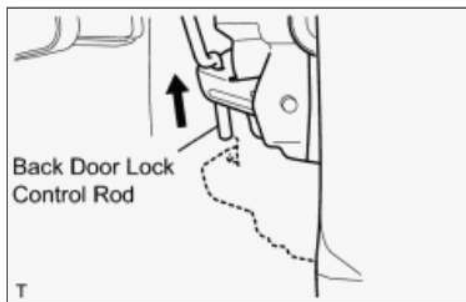
NOTICE:

- When reinstalling the door lock, always use new packing.
- Do not allow grease or dirt to contaminate the gap between the door panel and packing.
- Old or damaged packing cannot effectively protect against water which can damage the door lock.

- (c) Install the control rod to the door lock, and then set the door lock to the door panel.

NOTICE:

Make sure that the rod is securely engaged with the lock.



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

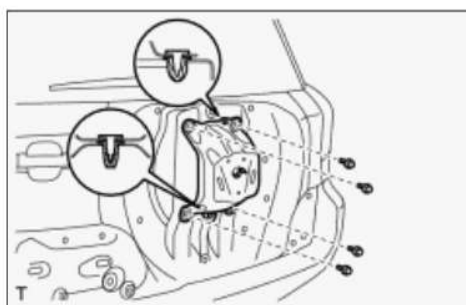
Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)

(e) Connect the connector.

12. INSTALL STEREO COMPONENT REAR SPEAKER ASSEMBLY (w/ Rear Speaker) INFO

13. INSTALL REAR WIPER MOTOR ASSEMBLY INFO

14. INSTALL SPARE WHEEL CARRIER BRACKET SUB-ASSEMBLY (w/ Tire Carrier)



(a) Install the bracket with the 4 bolts.

(b) Install the 2 clips.

15. INSTALL UPPER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY RH (w/ Tire Carrier) INFO

16. INSTALL LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY RH (w/ Tire Carrier) INFO

17. INSTALL UPPER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY LH (w/ Tire Carrier) INFO

18. INSTALL TELEVISION CAMERA ASSEMBLY (w/ Rear View Monitor System)

(a) w/ Tire Carrier:

Install the television camera [INFO](#) .

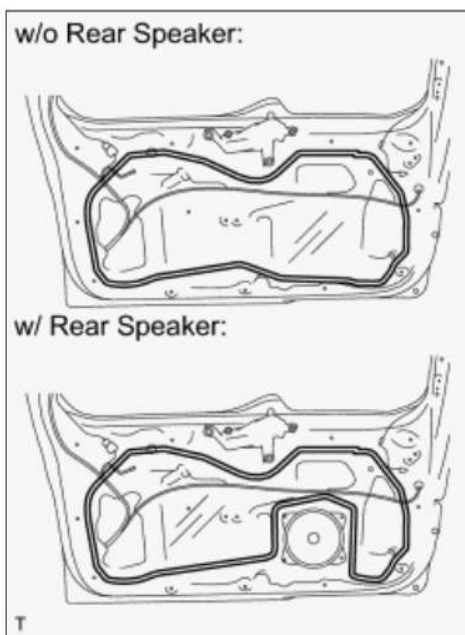
(b) w/o Tire Carrier:

Install the television camera [INFO](#) .**19. INSTALL LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY LH (w/ Tire Carrier)**[INFO](#)**20. INSTALL LICENSE PLATE LIGHT ASSEMBLY**

(a) w/ Tire Carrier:

Install the license plate light [INFO](#) .

(b) w/o Tire Carrier:

Install the license plate light [INFO](#) .**21. INSTALL BACK DOOR OUTSIDE GARNISH CLIP (w/o Tire Carrier)**[INFO](#)**22. INSTALL LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY (w/o Tire Carrier)**[INFO](#)**23. INSTALL BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY (w/o Tire Carrier)**[INFO](#)**24. INSTALL CENTER STOP LIGHT ASSEMBLY**[INFO](#)**25. INSTALL REAR SPOILER**[INFO](#)**26. INSTALL REAR WIPER ARM AND BLADE ASSEMBLY**[INFO](#)**27. INSTALL BACK DOOR SERVICE HOLE COVER**

(a) Apply butyl tape to the door panel, and then install a new back door service hole cover as shown in the illustration.

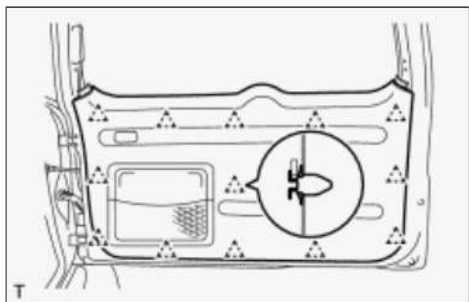
HINT:

- When installing the service hole cover, pull out the links and connectors through the service hole cover.
- There should be no wrinkles or folds after attaching the service hole cover.
- After attaching the service hole cover, check the seal quality.

(b) Connect each connector.

28. INSTALL BACK DOOR TRIM BOARD ASSEMBLY

(a) Install the back door trim pocket with the 5 screws.



(b) Attach the 13 clips to install the trim board.

29. INSTALL NO. 2 ROOM LIGHT ASSEMBLY

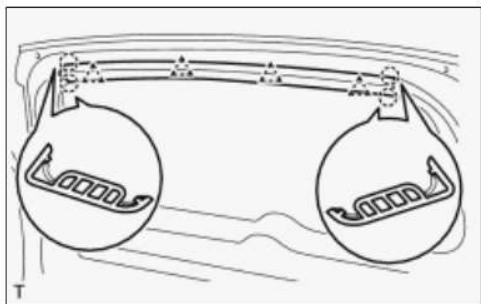
INFO

30. INSTALL BACK DOOR SIDE GARNISH LH

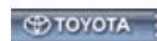
(a) Attach the 2 claws and 2 clips to install the garnish.

31. INSTALL BACK DOOR SIDE GARNISH RH**HINT:**

Use the same procedures described for the LH side.

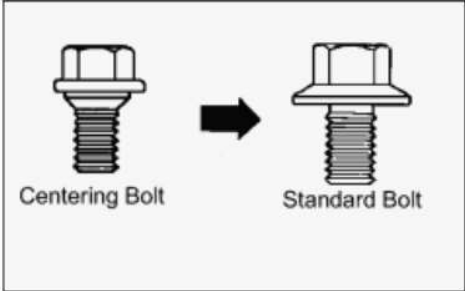
32. INSTALL BACK DOOR CENTER GARNISH

(a) Attach the 4 claws and 4 clips to install the garnish.

33. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Last Modified: 9-7-2011	6.4 N	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM00000138S012X
Title: ENGINE HOOD / DOOR: FRONT DOOR: ADJUSTMENT (2011 RAV4)		

ADJUSTMENT



HINT:

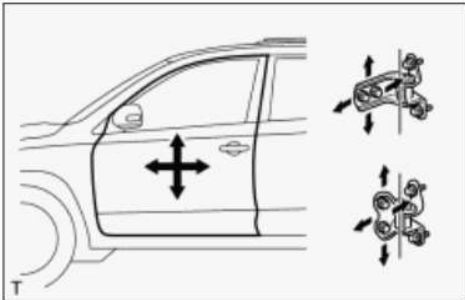
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.
- Centering bolts are used to mount the door hinge to the vehicle body and door. The door cannot be adjusted with the centering bolts on. Substitute the centering bolts with standard bolts (with washers) when making adjustments.
- A bolt without a torque specification 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.

2. ADJUST FRONT DOOR PANEL SUB-ASSEMBLY LH



(a) Using SST, loosen the body's hinge bolts on the body and adjust the position of the door.

SST: 09812-00010

(b) Using SST, tighten the hinge bolts on the body after the adjustment.

SST: 09812-00010

Torque: 26 N·m (265 kgf·cm, 19ft·lbf)

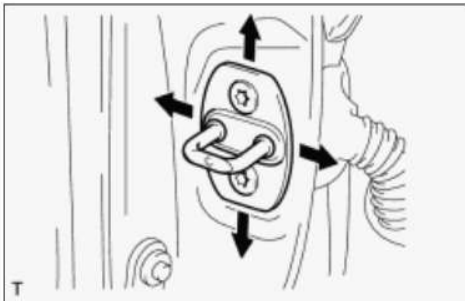
(c) Loosen the hinge bolts on the door and adjust the position of the



door.

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

Torque: 26 N·m (265 kgf·cm, 19ft·lbf)

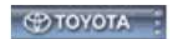


(e) Using a T40 "TORX" socket, adjust the striker position by slightly loosening the striker mounting screws and then hitting the striker with a plastic-faced hammer.

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

Torque: 23 N·m (235 kgf·cm, 17ft·lbf)

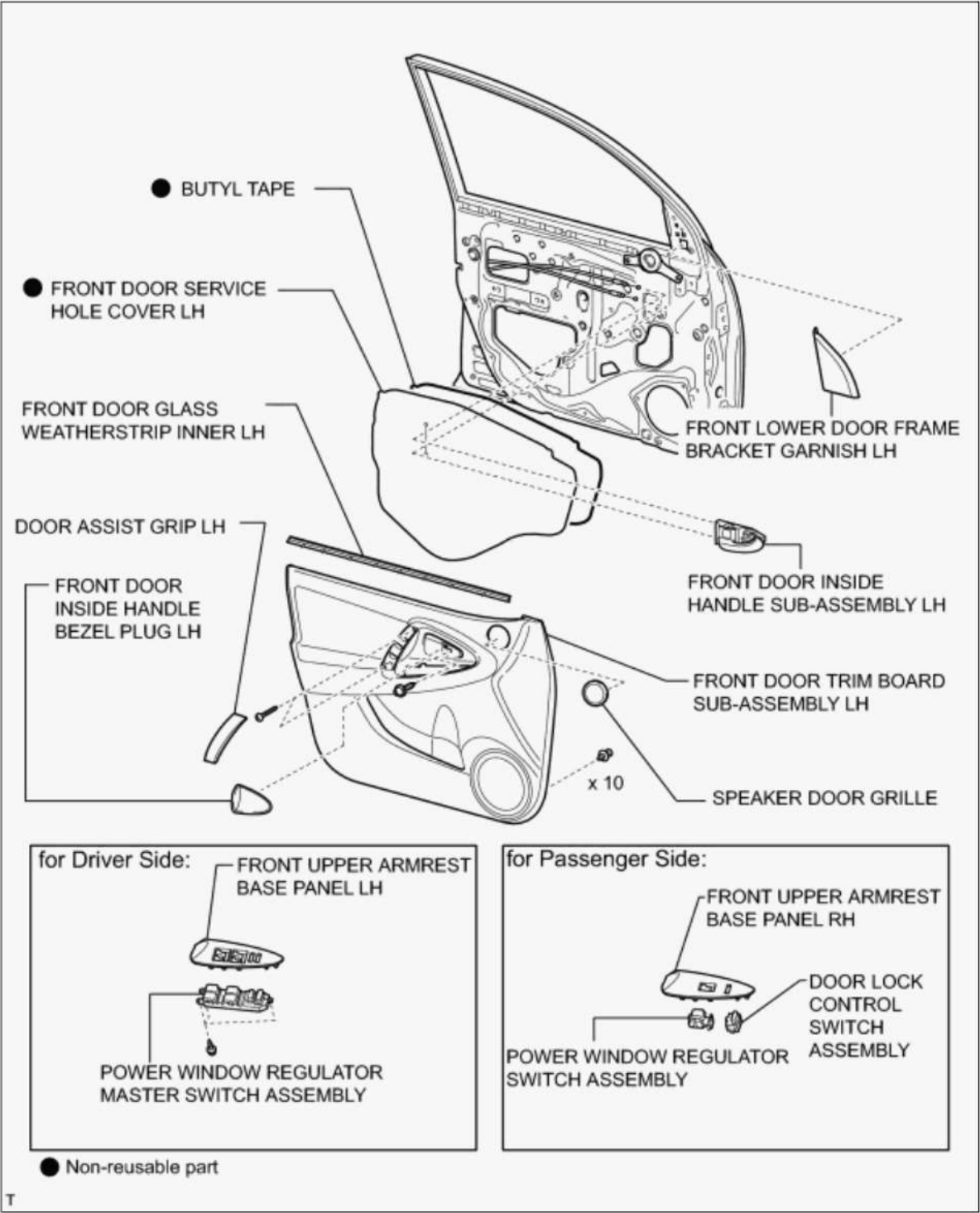
3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL



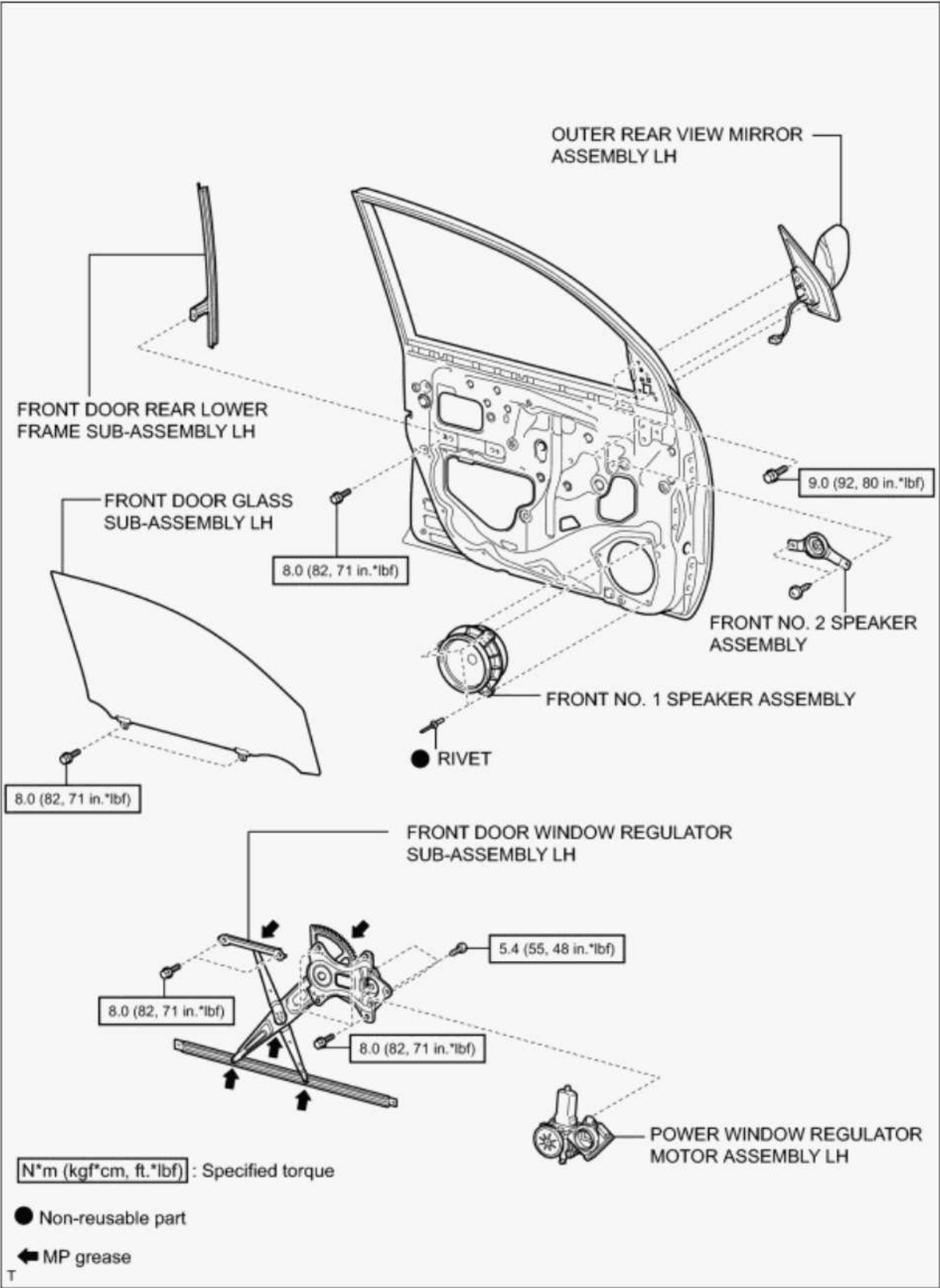
Last Modified: 9-7-2011	6.4 K	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000020SE00FX
Title: ENGINE HOOD / DOOR: FRONT DOOR: COMPONENTS (2011 RAV4)		

COMPONENTS

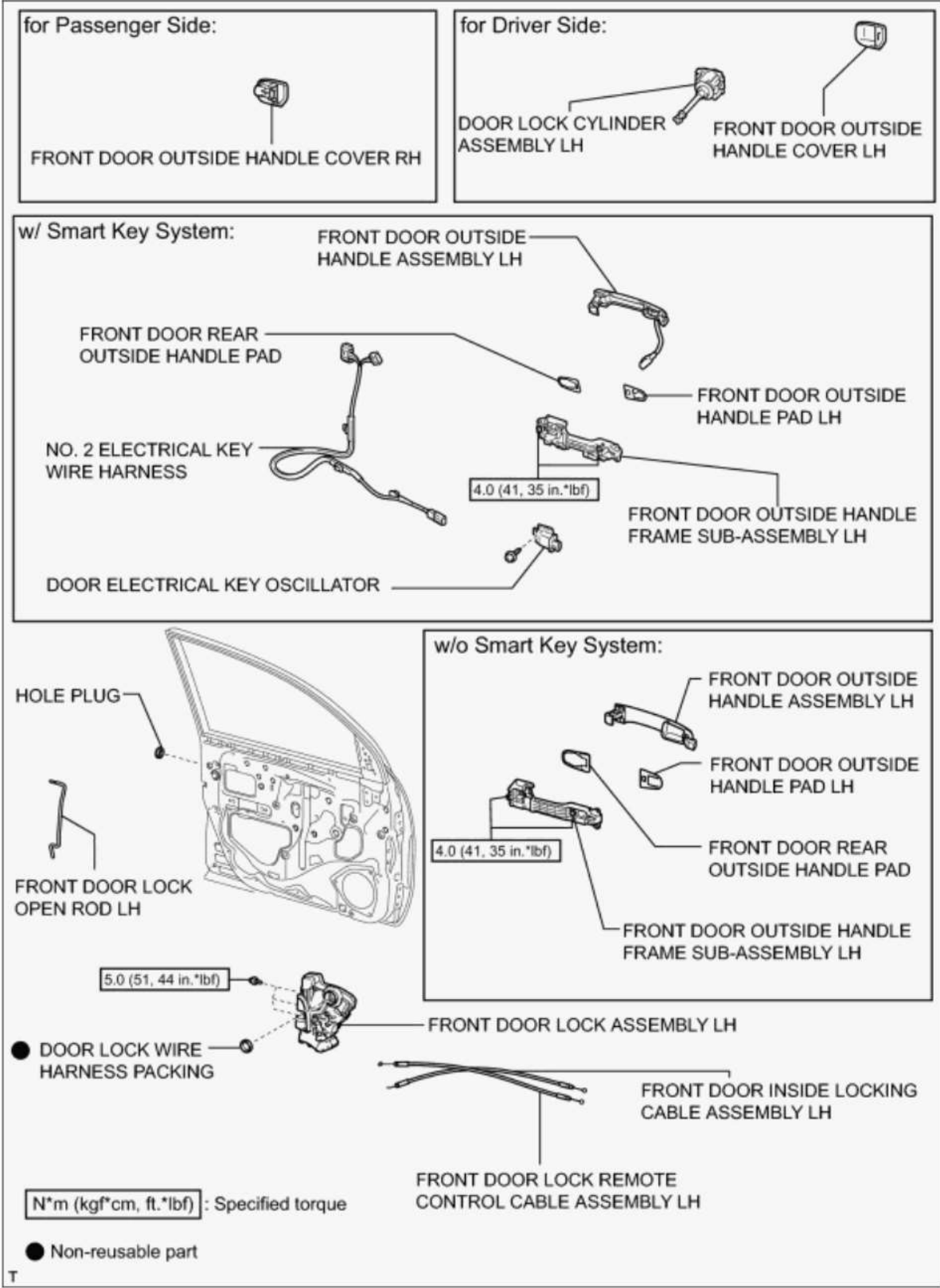
ILLUSTRATION



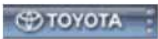
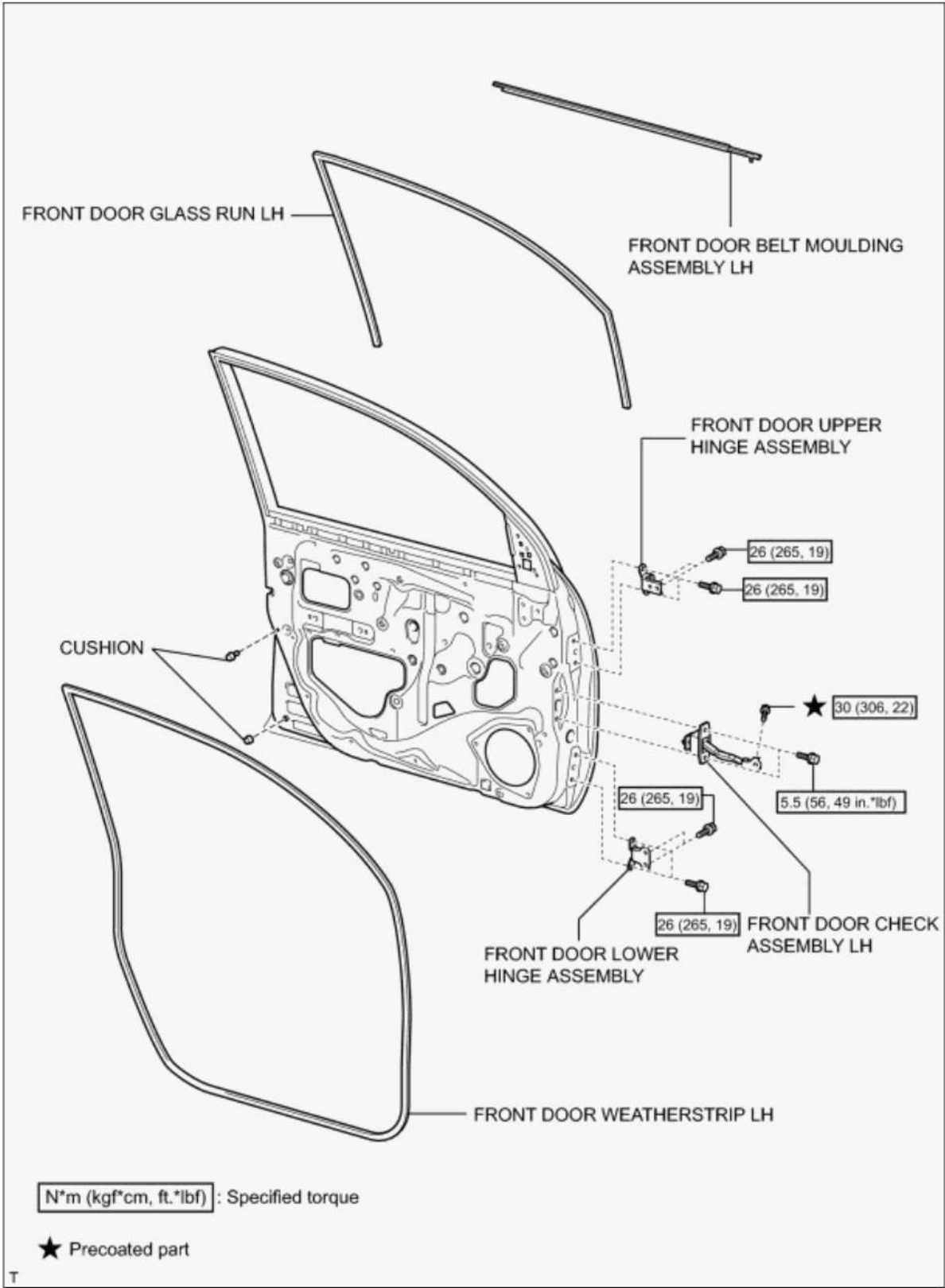
ILLUSTRATION



ILLUSTRATION



ILLUSTRATION



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000021EW00FX
Title: ENGINE HOOD / DOOR: FRONT DOOR: DISASSEMBLY (2011 RAV4)		

DISASSEMBLY

HINT:

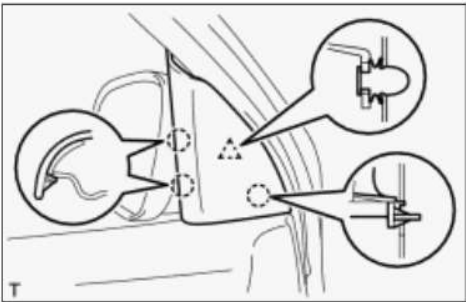
- Use the same procedures for the LH side and RH side.
- The procedures listed below are for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

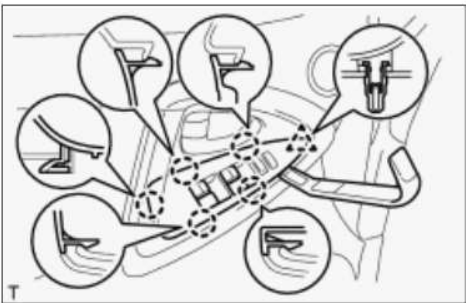
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

2. REMOVE FRONT LOWER DOOR FRAME BRACKET GARNISH LH



(a) Using moulding remover A, detach the clip and 3 claws, remove the garnish.

3. REMOVE FRONT UPPER ARMREST BASE PANEL LH



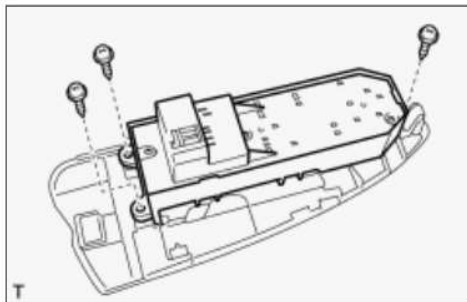
(a) Using moulding remover A, detach the clip and 5 claws, and remove the panel (with the switch(es)).

(b) Disconnect the switch connector(s).

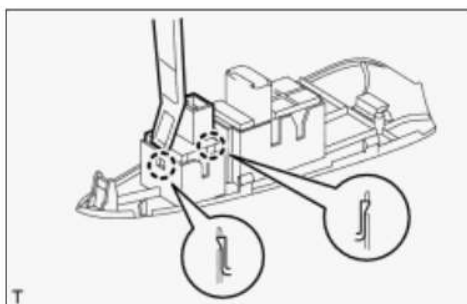
(c) for Driver Side:

Remove the 3 screws and power window regulator master switch from the panel.

NOTICE:



Be careful when removing the screws as the switch may fall and become damaged.

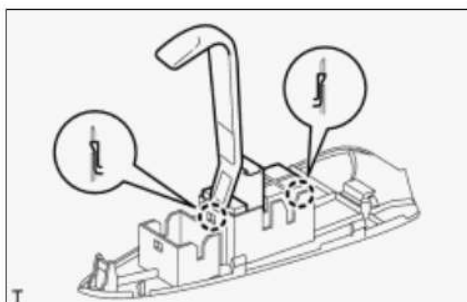


(d) for Passenger Side:

Using moulding remover A, detach the 2 claws and remove the door lock control switch from the panel.

NOTICE:

Be careful when detaching the claws as the switch may fall and become damaged.



(e) for Passenger Side:

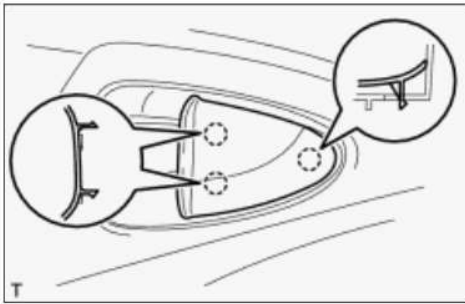
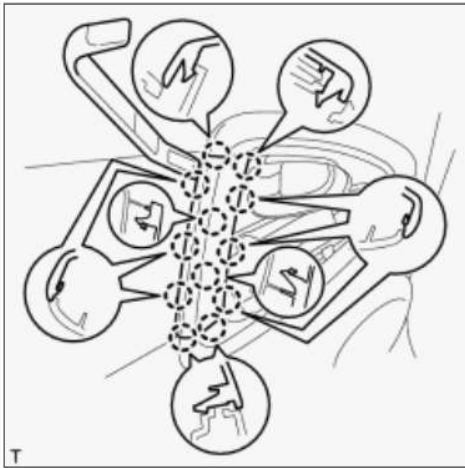
Using moulding remover A, detach the 2 claws and remove the power window regulator switch from the panel.

NOTICE:

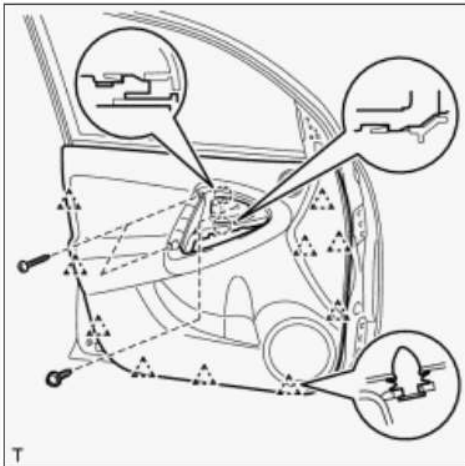
Be careful when detaching the claws as the switch may fall and become damaged.

4. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH

(a) Using moulding remover A, detach the 12 claws and remove the door assist grip.



(b) Using moulding remover A, detach the 3 claws and remove the door inside handle bezel plug.



(c) Remove the 3 screws.

(d) Using a screwdriver, detach the 10 clips and 2 claws, and remove the trim board.

HINT:

- Tape the screwdriver tip before use.
- If the screwdriver cannot reach the clips, pull on the bottom of the trim board to remove it.

(e) Using a screwdriver, detach the 7 claws and remove the weatherstrip inner.

HINT:

Tape the screwdriver tip before use.

- (f) Using a screwdriver, detach the 4 claws and remove the speaker door grille.

HINT:

Tape the screwdriver tip before use.

5. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY LH

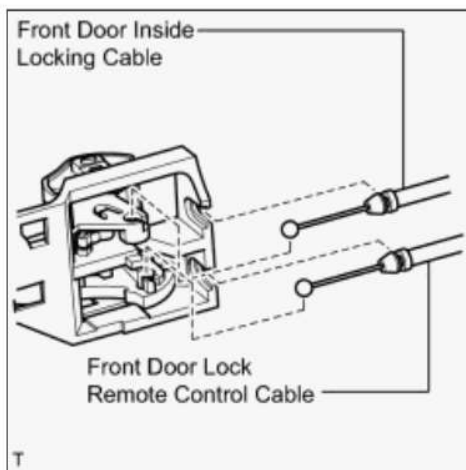
INFO

6. REMOVE FRONT NO. 1 SPEAKER ASSEMBLY

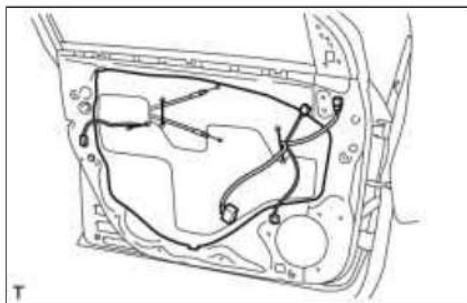
INFO

7. REMOVE FRONT NO. 2 SPEAKER ASSEMBLY

INFO

8. REMOVE FRONT DOOR INSIDE HANDLE SUB-ASSEMBLY LH

- (a) Disconnect the 2 cables from the inside handle and remove the inside handle.

9. REMOVE FRONT DOOR SERVICE HOLE COVER LH

- (a) Disconnect each connector and remove the service hole cover.

NOTICE:

Remove any tape remaining on the door.

10. REMOVE FRONT DOOR BELT MOULDING ASSEMBLY LH

INFO

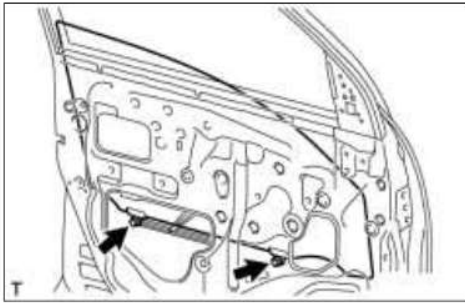
11. REMOVE FRONT DOOR GLASS SUB-ASSEMBLY LH

- (a) for Driver Side:

Temporarily install the power window regulator master switch.

(b) for Passenger Side:

Temporarily install the power window regulator switch.

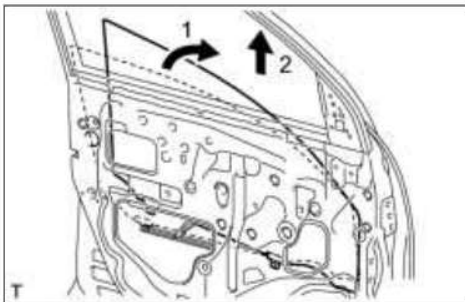


(c) Move the door glass until the 2 bolts appear in the service holes.

(d) Remove the 2 bolts.

NOTICE:

Be careful when removing the bolts as the glass may fall and become damaged.



(e) Remove the door glass in the direction indicated by the arrows in the illustration.

HINT:

Remove the glass upward.

NOTICE:

Be careful not to damage the glass.

(f) for Driver side:

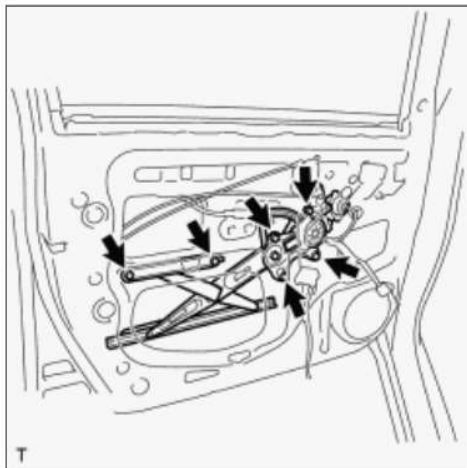
Remove the power window regulator master switch.

(g) for Passenger side:

Remove the power window regulator switch.

12. REMOVE FRONT DOOR WINDOW REGULATOR SUB-ASSEMBLY LH

(a) Disconnect the connector.



(b) Remove the 6 bolts and regulator.

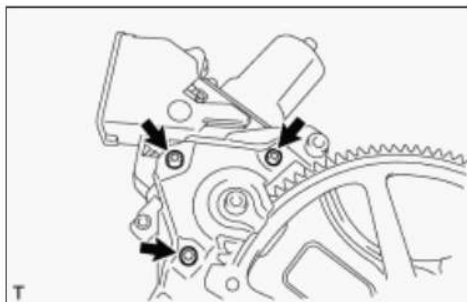
HINT:

Remove the window regulator through the service hole.

NOTICE:

Be careful when removing the bolts as the window regulator may fall and become damaged.

13. REMOVE POWER WINDOW REGULATOR MOTOR ASSEMBLY LH

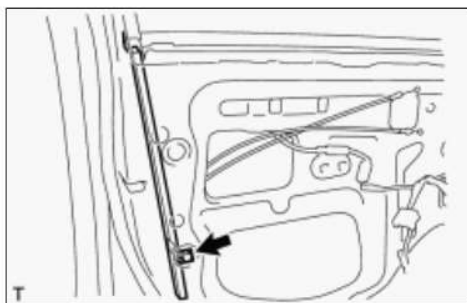


(a) Using a T25 "TORX" driver, remove the 3 screws and motor.

NOTICE:

Be careful when removing the screws as the motor may fall and become damaged.

14. REMOVE FRONT DOOR REAR LOWER FRAME SUB-ASSEMBLY LH



(a) Remove the bolt and frame.

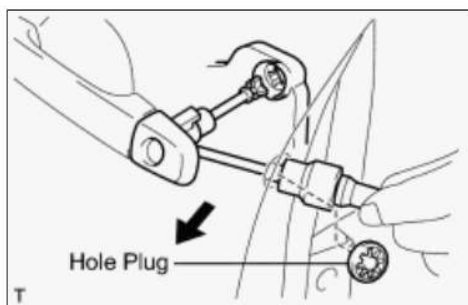
HINT:

Remove the frame through the service hole.

NOTICE:

Be careful when removing the bolt as the frame may fall and become damaged.

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



(a) Remove the hole plug.

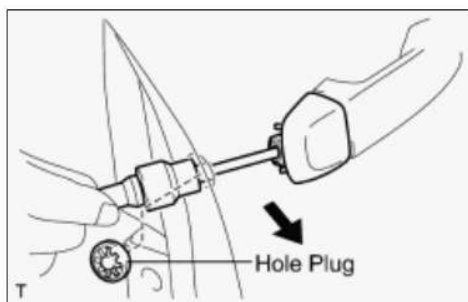
(b) Using a T30 "TORX" socket, loosen the screw and remove the cover (with door lock cylinder).

HINT:

Loosen but do not remove the screw.

(c) Remove the door lock cylinder from the cover.

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



(a) Remove the hole plug.

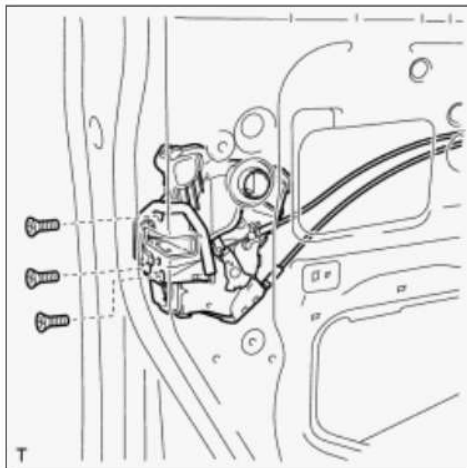
(b) Using a T30 "TORX" socket, loosen the screw and remove the cover.

HINT:

Loosen but do not remove the screw.

17. REMOVE FRONT DOOR LOCK ASSEMBLY LH

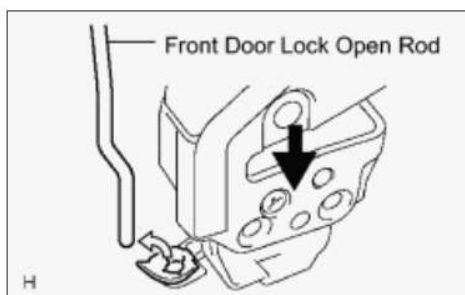
(a) Disconnect the connector.



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

NOTICE:

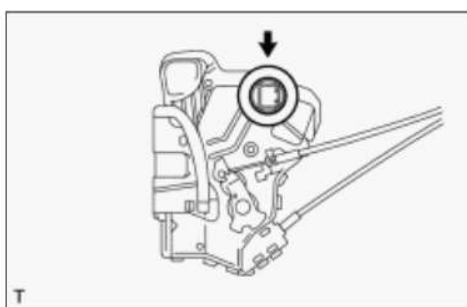
Be careful when removing the bolts as the door lock may fall and become damaged.



(c) Slide the door lock downward to disconnect the front door lock open rod from the door lock. Then remove the door lock (with cables).

HINT:

Remove the door lock through the service hole.

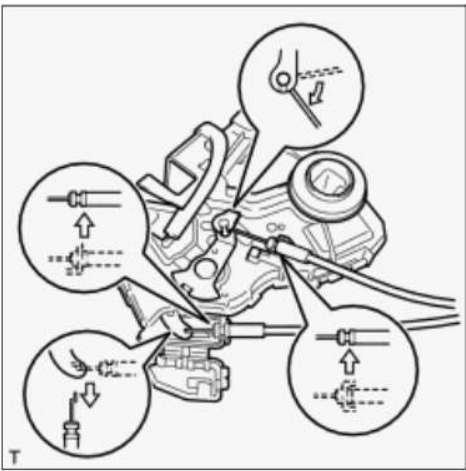
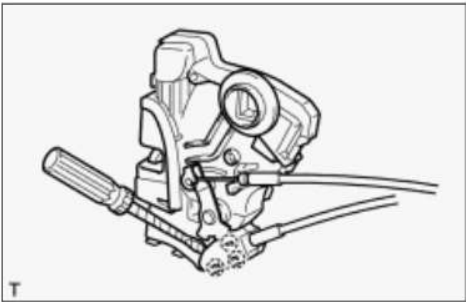


(d) Remove the door lock wiring harness packing from the door lock.

(e) Using a screwdriver, detach the 3 claws and open the cover.

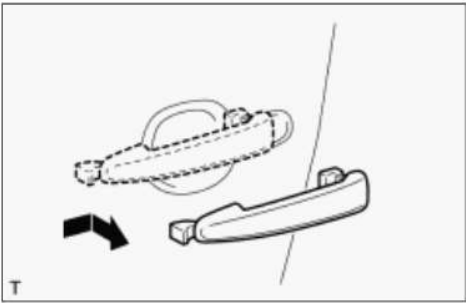
HINT:

Tape the screwdriver tip before use.



(f) Remove the 2 cables as shown in the illustration.

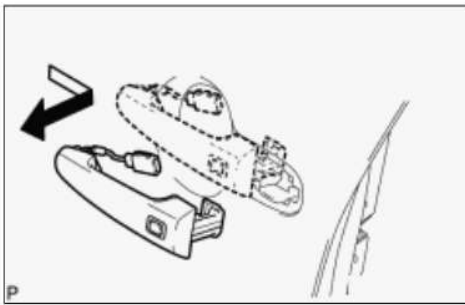
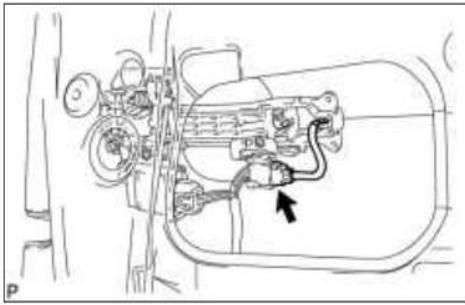
18. REMOVE FRONT DOOR OUTSIDE HANDLE ASSEMBLY LH



(a) w/o Smart Key System:
Remove the handle by sliding and pulling it in the direction indicated by the arrow in the illustration.

(b) w/ Smart Key System:

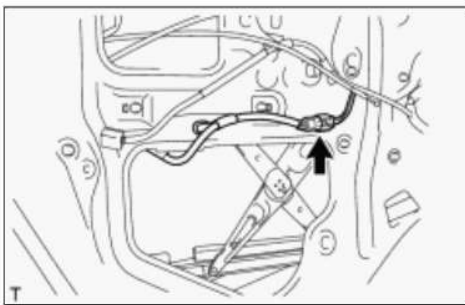
(1) Disconnect the connector.



(2) Remove the handle by sliding and pulling it in the direction indicated by the arrow in the illustration.

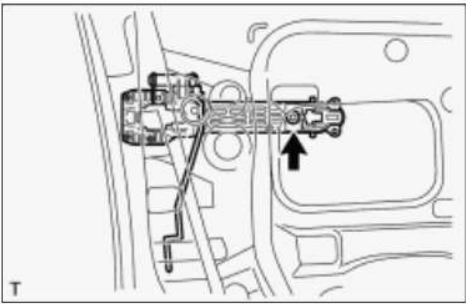
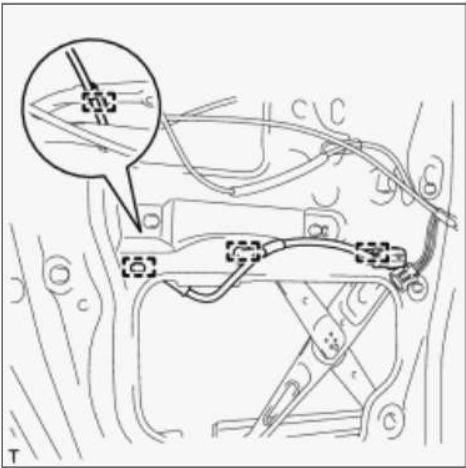
19. REMOVE FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY LH

(a) w/ Smart Key System:

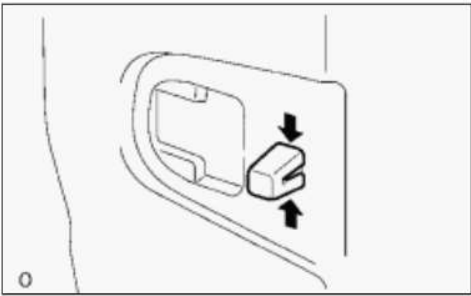


(1) Disconnect the connector.

(2) Using a clip remover, detach the 4 clamps.



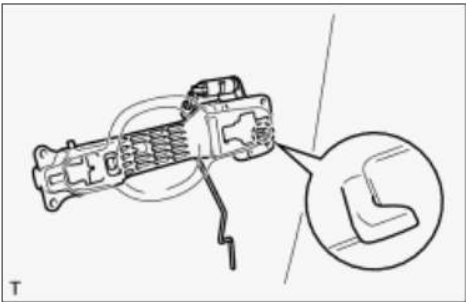
(b) Using a T30 "TORX" socket, loosen the screw of the frame.



(c) Using pliers, pinch the clip.

NOTICE:

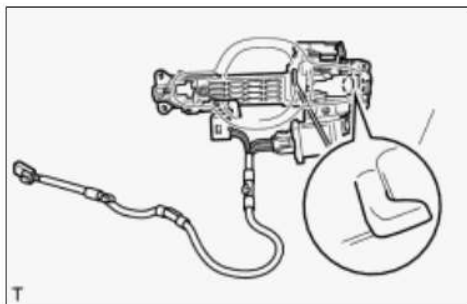
Be sure to remove the outside handle frame together with the clip, as the clip will be damaged if it remains attached to the door panel.



(d) w/o Smart Key System:
Detach the claw and remove the frame.

HINT:

Remove the frame through the service hole.



(e) w/ Smart Key System:

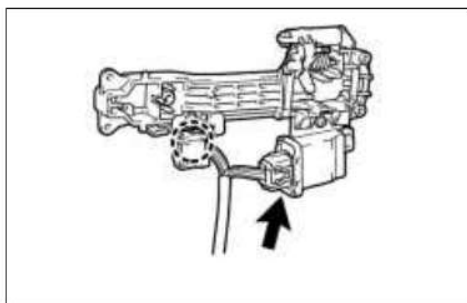
Detach the claw. Slide the outside handle frame and No. 2 electrical key wire harness to remove them.

HINT:

Remove the outside handle frame through the service hole.

(f) Remove the front door lock open rod.

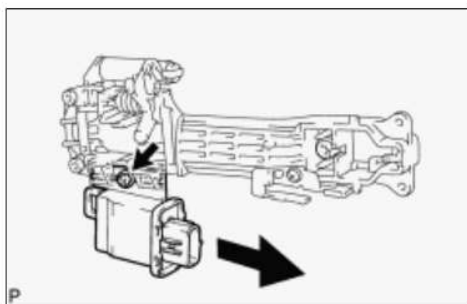
20. REMOVE NO. 2 ELECTRICAL KEY WIRE HARNESS (w/ Smart Key System)



(a) Detach the claw.

(b) Disconnect the connector and remove the wire harness from the frame.

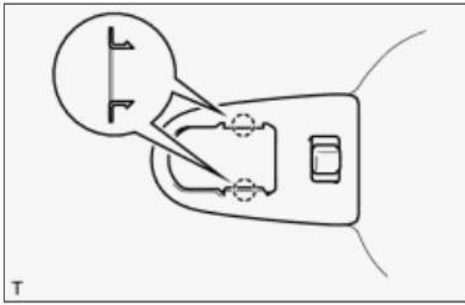
21. REMOVE DOOR ELECTRICAL KEY OSCILLATOR (w/ Smart Key System)



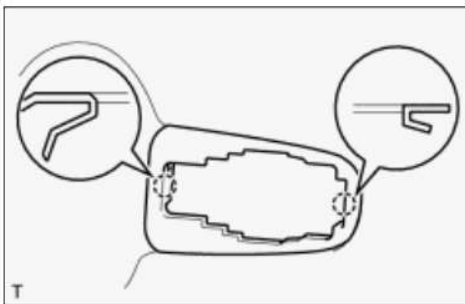
(a) Remove the screw and door electrical key oscillator.

22. REMOVE FRONT DOOR OUTSIDE HANDLE PAD LH

(a) Detach the 2 claws and remove the pad.

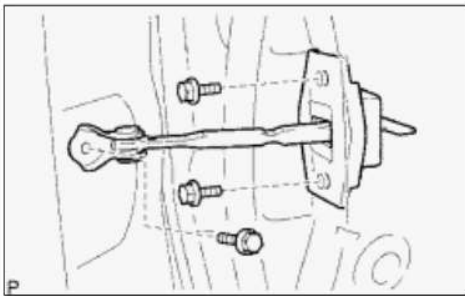


23. REMOVE FRONT DOOR REAR OUTSIDE HANDLE PAD



(a) Detach the 2 claws and remove the pad.

24. REMOVE FRONT DOOR CHECK ASSEMBLY LH



(a) Remove the 3 bolts and door check.

HINT:

Remove the door check through the service hole.

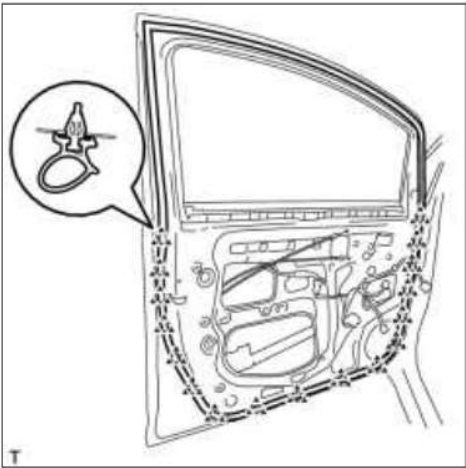
25. REMOVE FRONT DOOR GLASS RUN LH

26. REMOVE FRONT DOOR WEATHERSTRIP LH

(a) Using a clip remover, detach the 17 clips and remove the weatherstrip.

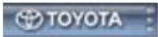
HINT:

If clips are damaged during removal, replace them.



27. REMOVE CUSHION

- (a) Remove the 2 cushions.

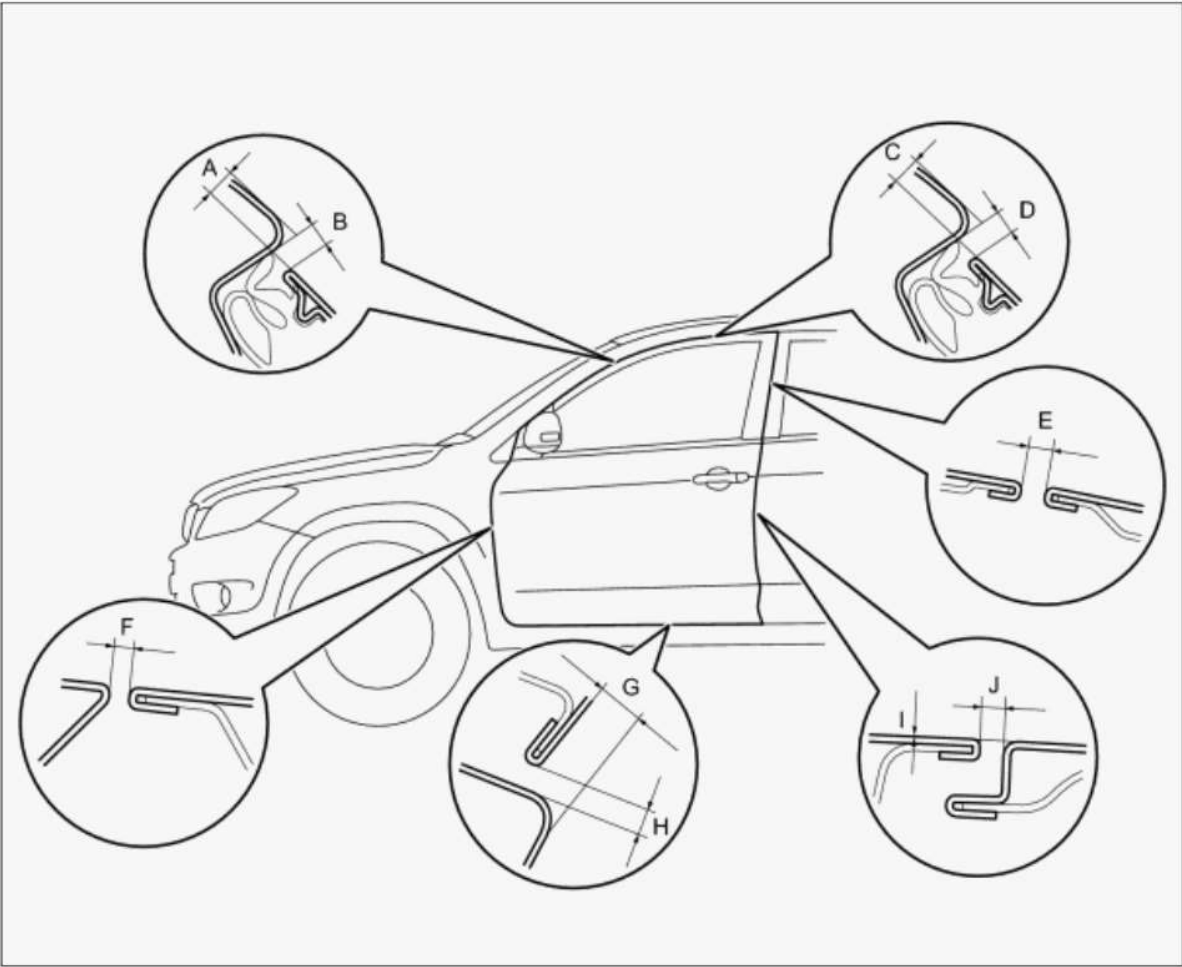


Last Modified: 9-7-2011	6.4 G	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000014N800QX
Title: ENGINE HOOD / DOOR: FRONT DOOR: ON-VEHICLE INSPECTION (2011 RAV4)		

ON-VEHICLE INSPECTION

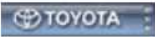
1. INSPECT FRONT DOOR PANEL SUB-ASSEMBLY LH

(a) Check that the clearance measurements of areas A to J are within the standard range.



Standard:

AREA	SPECIFIED CONDITION	AREA	SPECIFIED CONDITION
A	4.7 to 7.7 mm (0.185 to 0.303 in.)	F	2.4 to 5.4 mm (0.0945 to 0.213 in.)
B	3.8 to 6.8 mm (0.150 to 0.268 in.)	G	8.3 to 11.3 mm (0.327 to 0.445 in.)
C	4.8 to 7.8 mm (0.189 to 0.307 in.)	H	3.6 to 6.6 mm (0.142 to 0.260 in.)
D	3.8 to 6.8 mm (0.150 to 0.268 in.)	I	-1.5 to 1.5 mm (-0.0591 to 0.0591 in.)
E	3.0 to 6.0 mm (0.118 to 0.236 in.)	J	3.0 to 6.0 mm (0.118 to 0.236 in.)



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000021EX00FX
Title: ENGINE HOOD / DOOR: FRONT DOOR: REASSEMBLY (2011 RAV4)		

REASSEMBLY

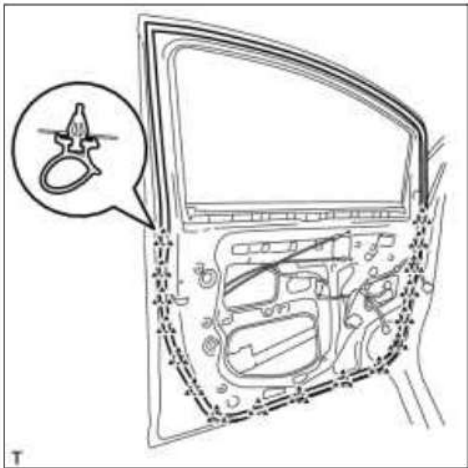
HINT:

- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.
- A bolt without a torque specification is shown in the standard bolt chart [INFO](#) .

1. INSTALL CUSHION

(a) Install the 2 cushions.

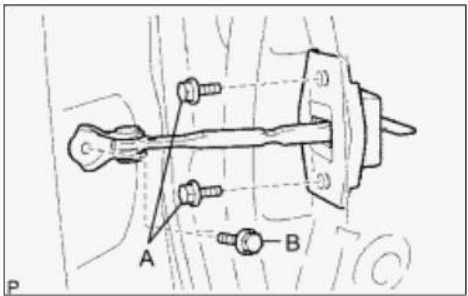
2. INSTALL FRONT DOOR WEATHERSTRIP LH



(a) Attach the 17 clips to install the weatherstrip.

3. INSTALL FRONT DOOR GLASS RUN LH

4. INSTALL FRONT DOOR CHECK ASSEMBLY LH



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

(b) Install the door check to the door panel with the 2 bolts labeled A.

Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)for bolt A

(c) Apply adhesive to the bolt labeled B.

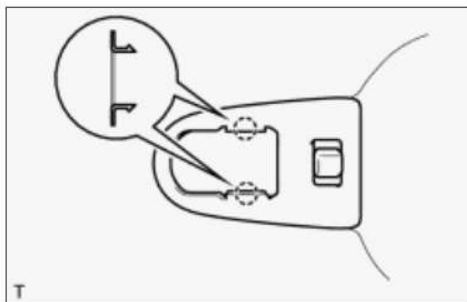
Adhesive:

Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

(d) Install the door check to the body panel with the bolt labeled B.

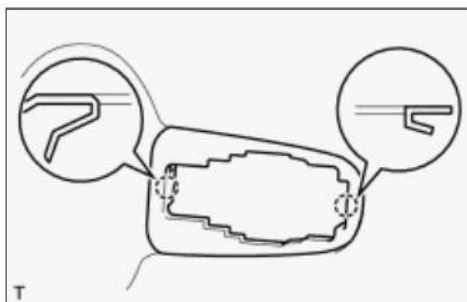
Torque: 30 N·m (306 kgf·cm, 22ft·lbf) for bolt B

5. INSTALL FRONT DOOR OUTSIDE HANDLE PAD LH



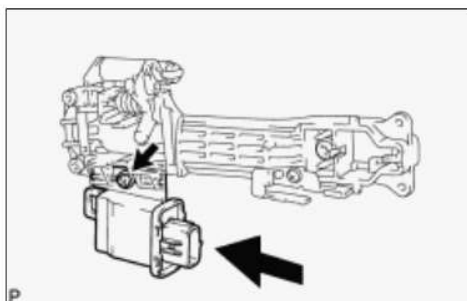
(a) Attach the 2 claws to install the pad.

6. INSTALL FRONT DOOR REAR OUTSIDE HANDLE PAD



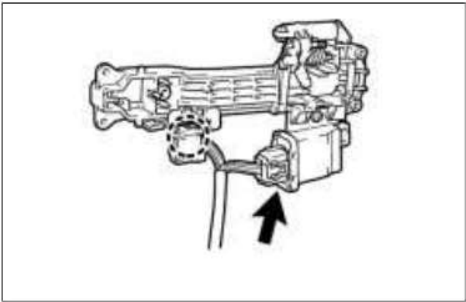
(a) Attach the 2 claws to install the pad.

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



(a) Install the door electrical key oscillator with the screw.

8. INSTALL NO. 2 ELECTRICAL KEY WIRE HARNESS (w/ Smart Key System)

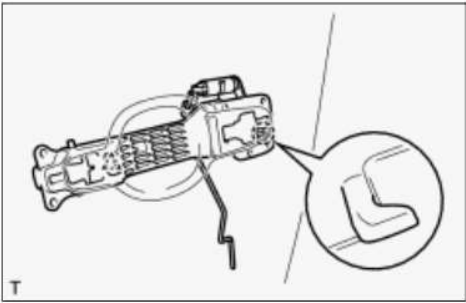


(a) Attach the claw to install the wire harness to the frame.

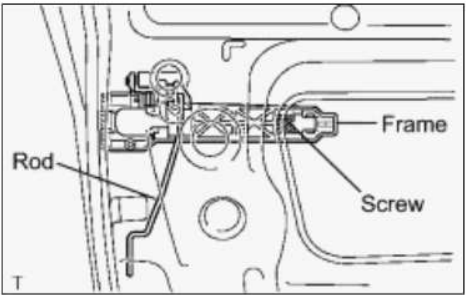
(b) Connect the connector.

9. INSTALL FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY LH

(a) Install the front door lock open rod.



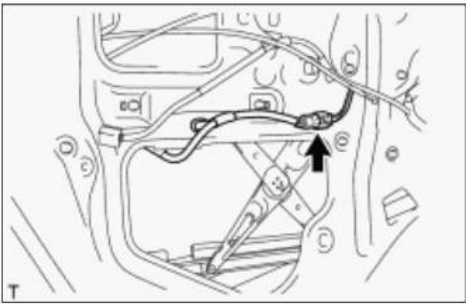
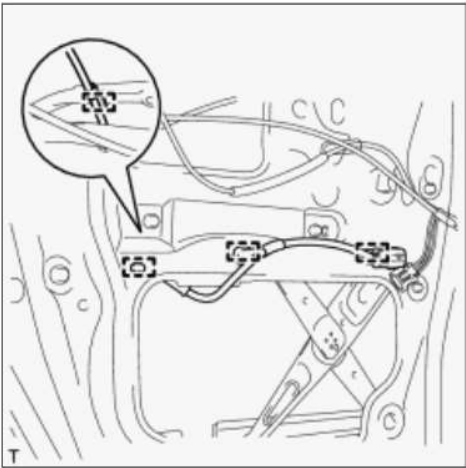
(b) Attach the claw and clip to install the frame.



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

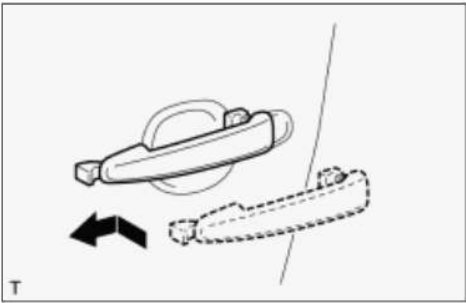
(d) w/ Smart Key System:

(1) Attach the 4 clamps to install the wire harness to the door panel.



(2) Connect the connector.

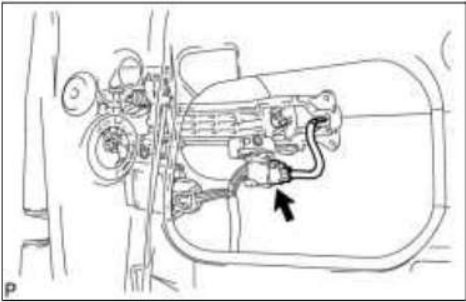
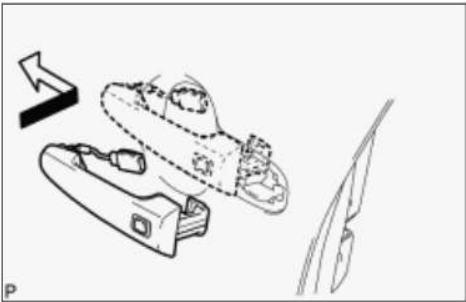
10. INSTALL FRONT DOOR OUTSIDE HANDLE ASSEMBLY LH



(a) w/o Smart Key System:
Install the handle by pushing and sliding it in the direction indicated by the arrow in the illustration.

(b) w/ Smart Key System:

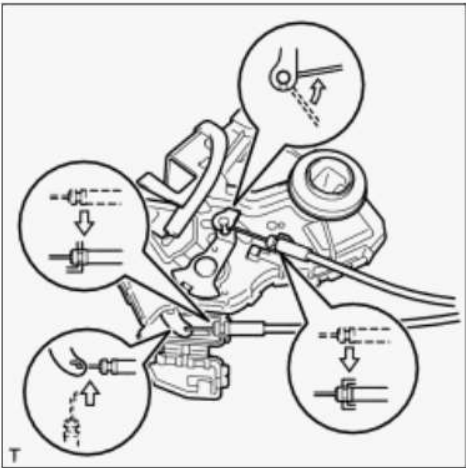
(1) Install the handle by pushing and sliding it in the direction indicated by the arrow in the illustration.



(2) Connect the connector.

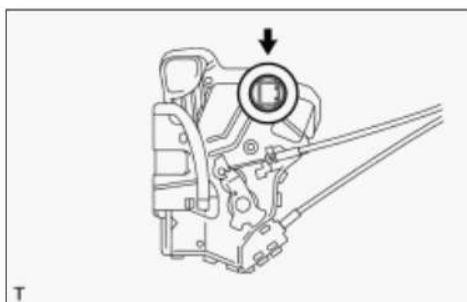
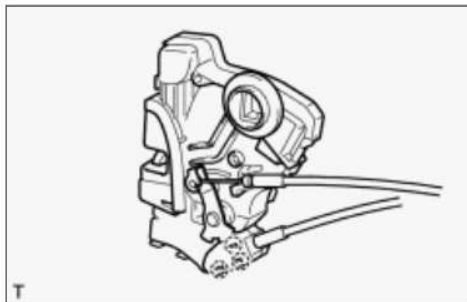
11. INSTALL FRONT DOOR LOCK ASSEMBLY LH

(a) Apply MP grease to the sliding and rotating areas of the front door lock.



(b) Install the 2 cables as shown in the illustration.

(c) Attach the 3 claws to close the cover.



(d) Install a new door lock wire harness packing.

NOTICE:

- When reinstalling the door lock, always use new packing.
- Do not allow grease or dirt to contaminate the gap between the door panel and packing.
- Old or damaged packing cannot effectively protect against water which can damage the door lock.



(e) Install the control rod to the door lock, and then set the door lock to the door panel.

NOTICE:

Make sure that the rod is securely engaged with the lock.

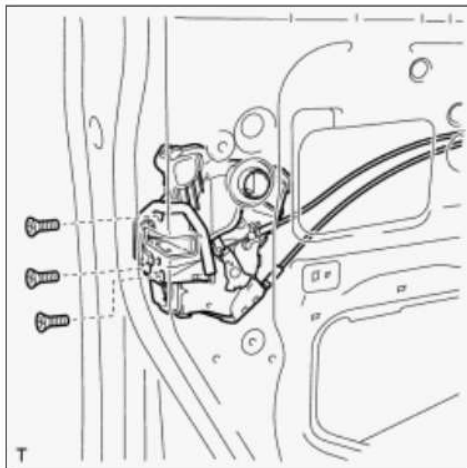
(f) Apply adhesive to the threads of the 3 screws.

Adhesive:

Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

(g) Using a T30 "TORX" socket, install the door lock with the 3 screws.

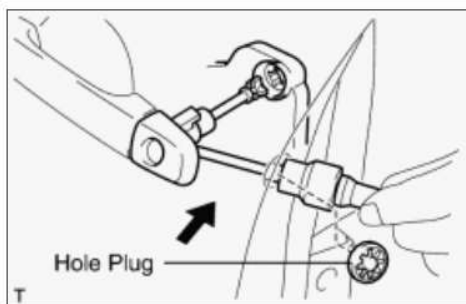
Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)



(h) Connect the connector.

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

(a) Install the door lock cylinder to the cover.



(b) Tighten the screw using a T30 "TORX" socket to install the cover (with cylinder).

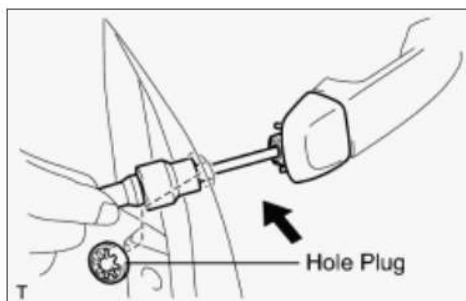
Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

HINT:

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

(c) Install the hole plug.

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

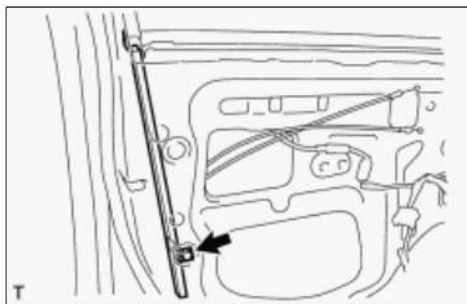


(a) Tighten the screw using a T30 "TORX" socket to install the cover.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

(b) Install the hole plug.

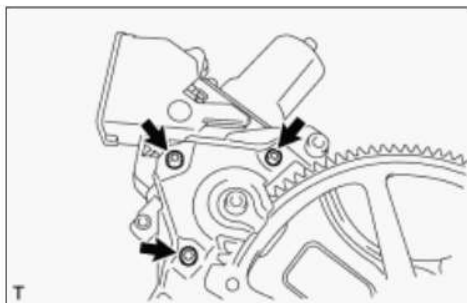
14. INSTALL FRONT DOOR REAR LOWER FRAME SUB-ASSEMBLY LH



(a) Install the frame with the bolt.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

15. INSTALL POWER WINDOW REGULATOR MOTOR ASSEMBLY LH



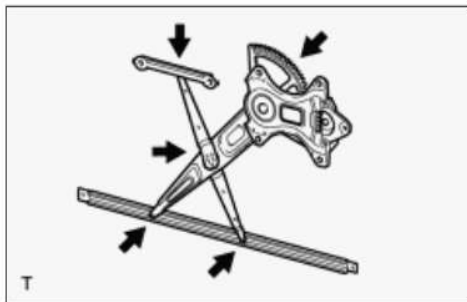
(a) Using a T25 "TORX" driver, install the motor with the 3 screws.

Torque: 5.4 N·m (55 kgf·cm, 49in·lbf)

HINT:

For a new window regulator motor, the screw holes will be tapped and the installation position of the regulator motor will be set when the self-tapping screws are installed.

16. INSTALL FRONT DOOR WINDOW REGULATOR SUB-ASSEMBLY LH



(a) Apply MP grease to the sliding and rotating areas of the window regulator.

NOTICE:

Do not apply grease to the spring of the window regulator.

(b) Install the regulator with the 6 bolts.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

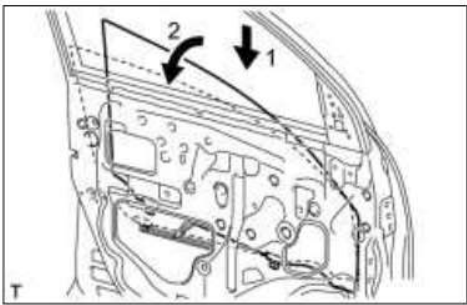
NOTICE:

Be careful not to drop the window regulator as it may become damaged.



(c) Connect the connector.

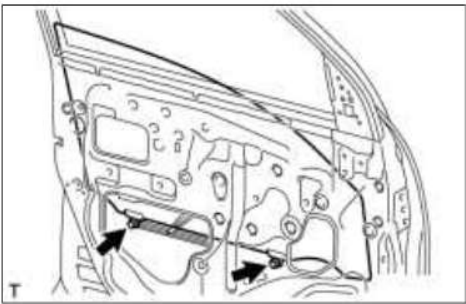
17. INSTALL FRONT DOOR GLASS SUB-ASSEMBLY LH



(a) Install the door glass into the door panel along the glass run as indicated by the arrows in the illustration.

NOTICE:

Be careful not to damage the glass.



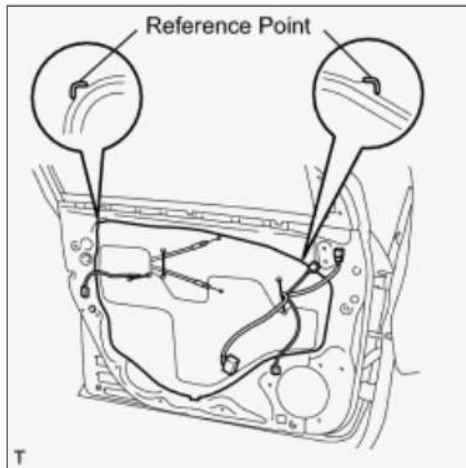
(b) Install the door glass to the window regulator with the 2 bolts.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

18. INSTALL FRONT DOOR BELT MOULDING ASSEMBLY LH INFO

19. INSTALL FRONT DOOR SERVICE HOLE COVER LH

(a) Apply butyl tape to the door panel, and then install a new front



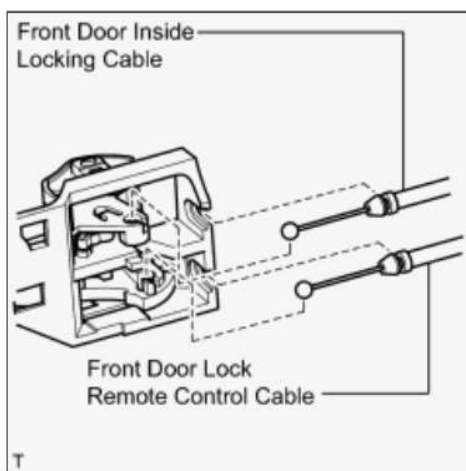
door service hole cover as shown in the illustration.

HINT:

- When installing the service hole cover, pull out the links and connectors through the service hole cover.
- There should be no wrinkles or folds after attaching the service hole cover.
- After attaching the service hole cover, check the seal quality.

(b) Connect each connector.

20. INSTALL FRONT DOOR INSIDE HANDLE SUB-ASSEMBLY LH



(a) Connect the 2 cables to the inside handle to install the inside handle.

21. INSTALL FRONT NO. 2 SPEAKER ASSEMBLY INFO

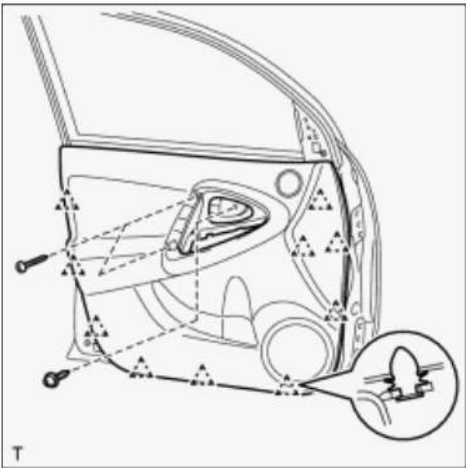
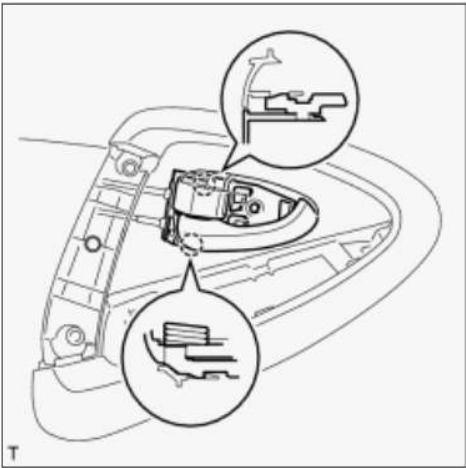
22. INSTALL FRONT NO. 1 SPEAKER ASSEMBLY INFO

23. INSTALL OUTER REAR VIEW MIRROR SUB-ASSEMBLY LH INFO

24. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH

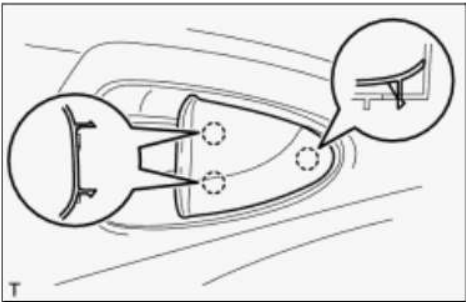
- (a) Attach the 4 claws to install the speaker door grille.
- (b) Attach the 7 claws to install the weatherstrip inner.

(c) Attach the 2 claws to install the inside handle to the trim board.



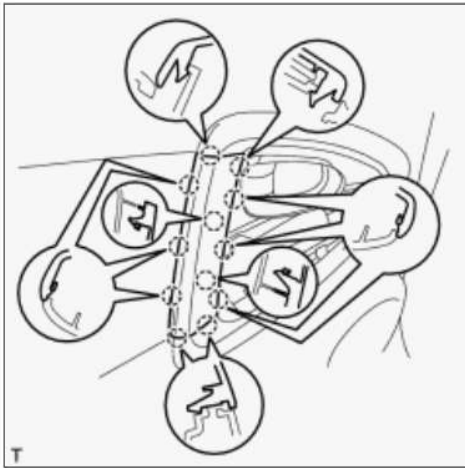
(d) Attach the 10 clips to install the trim board.

(e) Install the 3 screws.

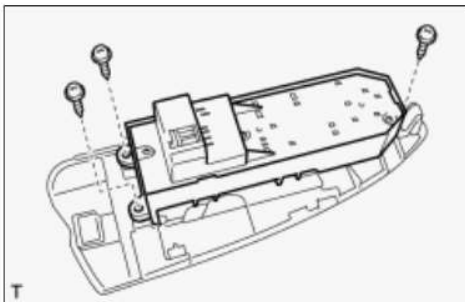


(f) Attach the 3 claws to install the door inside handle bezel plug.

(g) Attach the 12 claws to install the door assist grip.

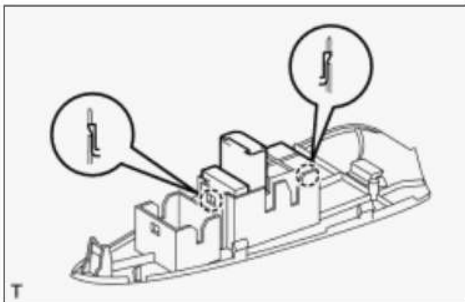


25. INSTALL FRONT UPPER ARMREST BASE PANEL LH



(a) for Driver Side:

Install the power window regulator master switch to the panel with the 3 screws.

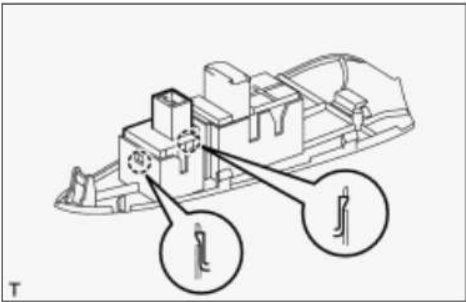


(b) for Passenger Side:

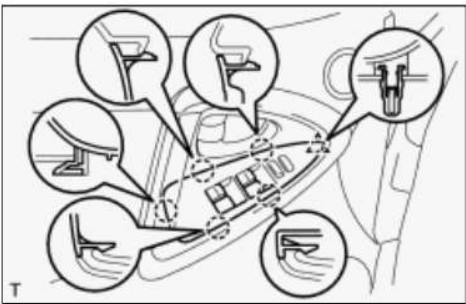
Attach the 2 claws to install the power window regulator switch to the panel.

(c) for Passenger Side:

Attach the 2 claws to install the door control switch to the panel.

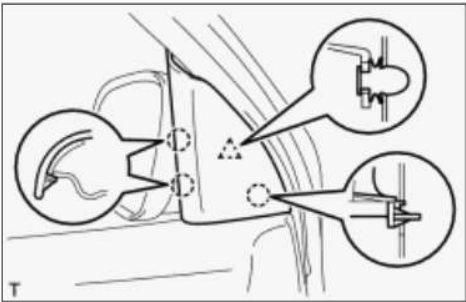


(d) Connect the switch connector(s).



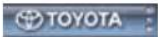
(e) Attach the clip and 5 claws to install the panel (with the switch(es)).

26. INSTALL FRONT LOWER DOOR FRAME BRACKET GARNISH LH



(a) Attach the clip and 3 claws to install the garnish.

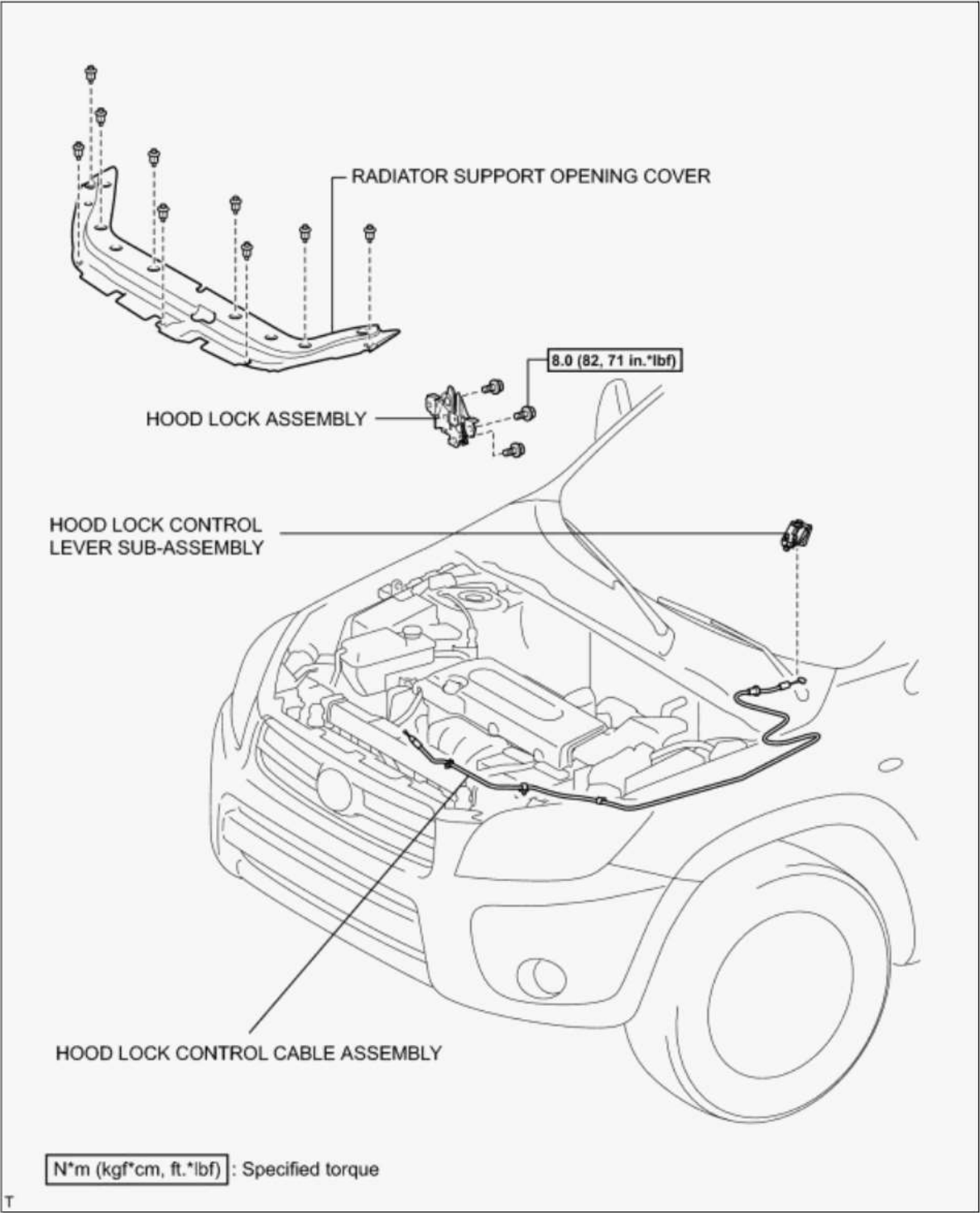
27. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

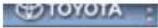


Last Modified: 9-7-2011	6.4 K	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000020SD00IX
Title: ENGINE HOOD / DOOR: HOOD LOCK CONTROL CABLE ASSEMBLY: COMPONENTS (2011 RAV4)		

COMPONENTS

ILLUSTRATION



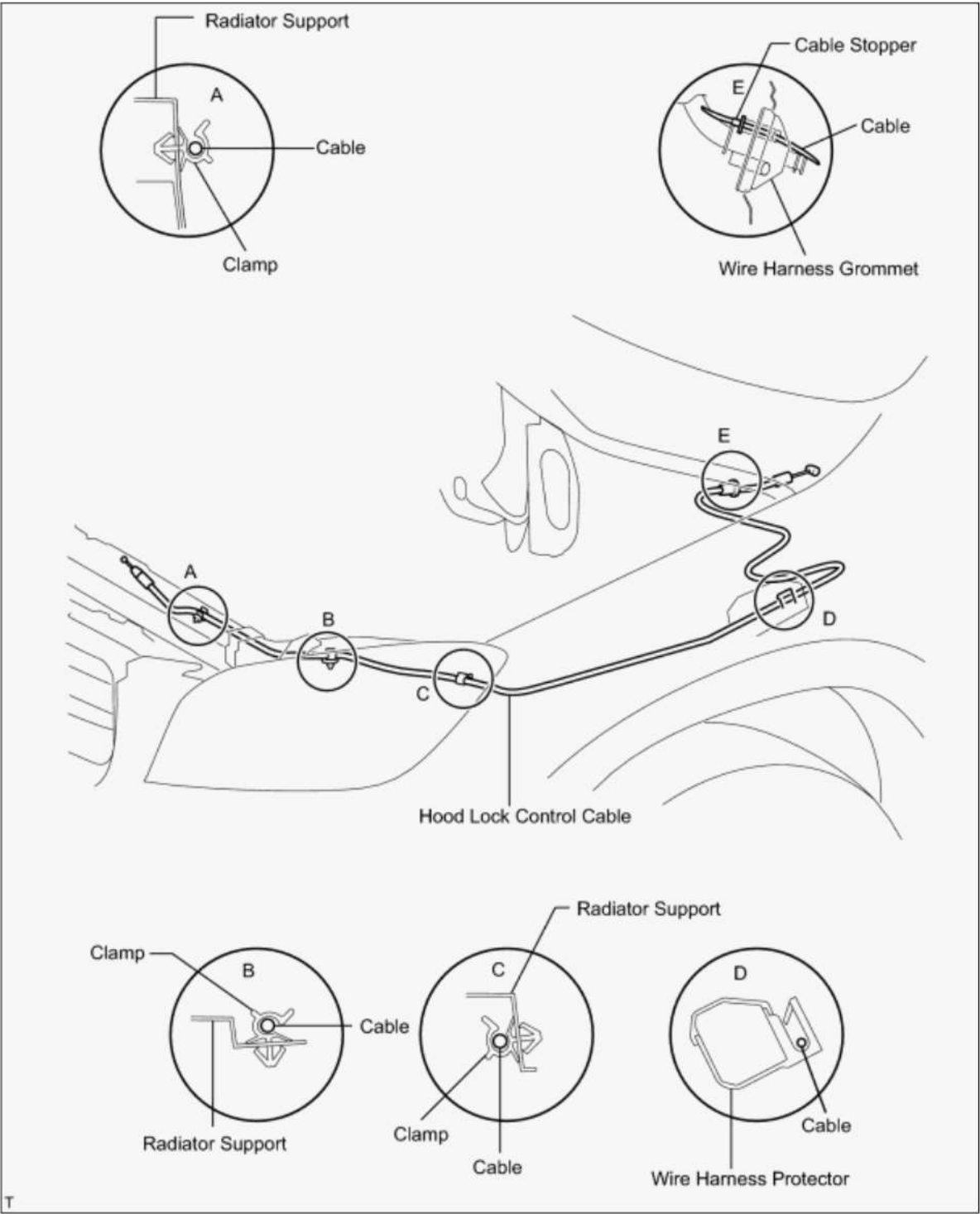


Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM00000138P013X
Title: ENGINE HOOD / DOOR: HOOD LOCK CONTROL CABLE ASSEMBLY: INSTALLATION (2011 RAV4)		

INSTALLATION

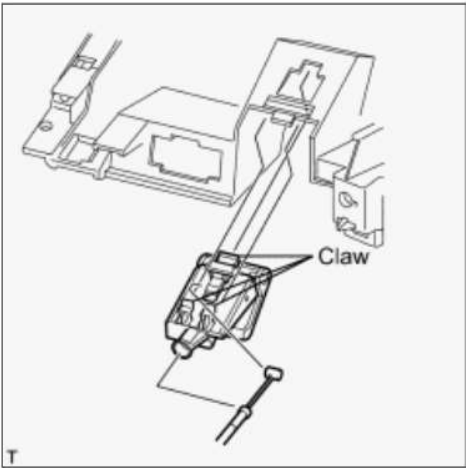
1. INSTALL HOOD LOCK CONTROL CABLE ASSEMBLY

- (a) Install the cable to the clamps, wire harness protector and wire harness grommet as shown in the illustration.



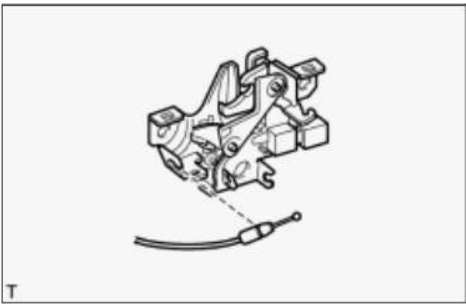
2. INSTALL HOOD LOCK CONTROL LEVER SUB-ASSEMBLY

(a) Connect the cable to the lever.

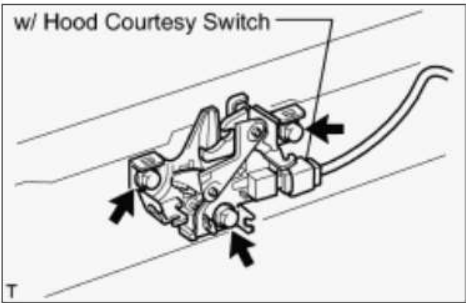


(b) Attach the 3 claws to install the lever.

3. INSTALL HOOD LOCK ASSEMBLY



(a) Connect the cable to the lock.



(b) Install the lock with the 3 bolts.

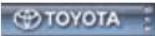
Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

(c) Adjust the lock.

(d) w/ Hood courtesy switch:
Connect the connector.

4. INSTALL RADIATOR SUPPORT OPENING COVER INFO

5. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM00000138R00XX
Title: ENGINE HOOD / DOOR: HOOD LOCK CONTROL CABLE ASSEMBLY: REMOVAL (2011 RAV4)		

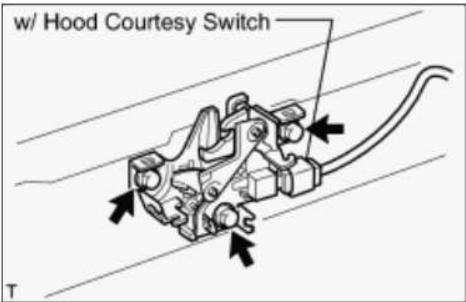
REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

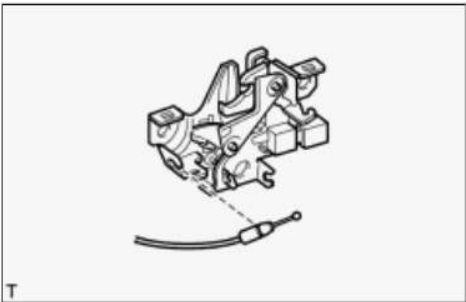
2. REMOVE RADIATOR SUPPORT OPENING COVER INFO

3. REMOVE HOOD LOCK ASSEMBLY



(a) w/ Hood courtesy switch:
Disconnect the connector.

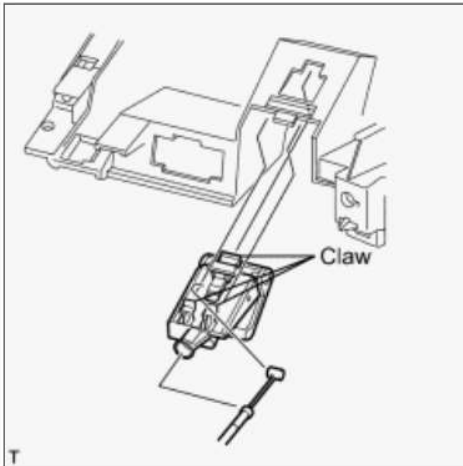
(b) Remove the 3 bolts.



(c) Disconnect the cable and remove the lock.

4. REMOVE HOOD LOCK CONTROL LEVER SUB-ASSEMBLY

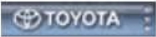
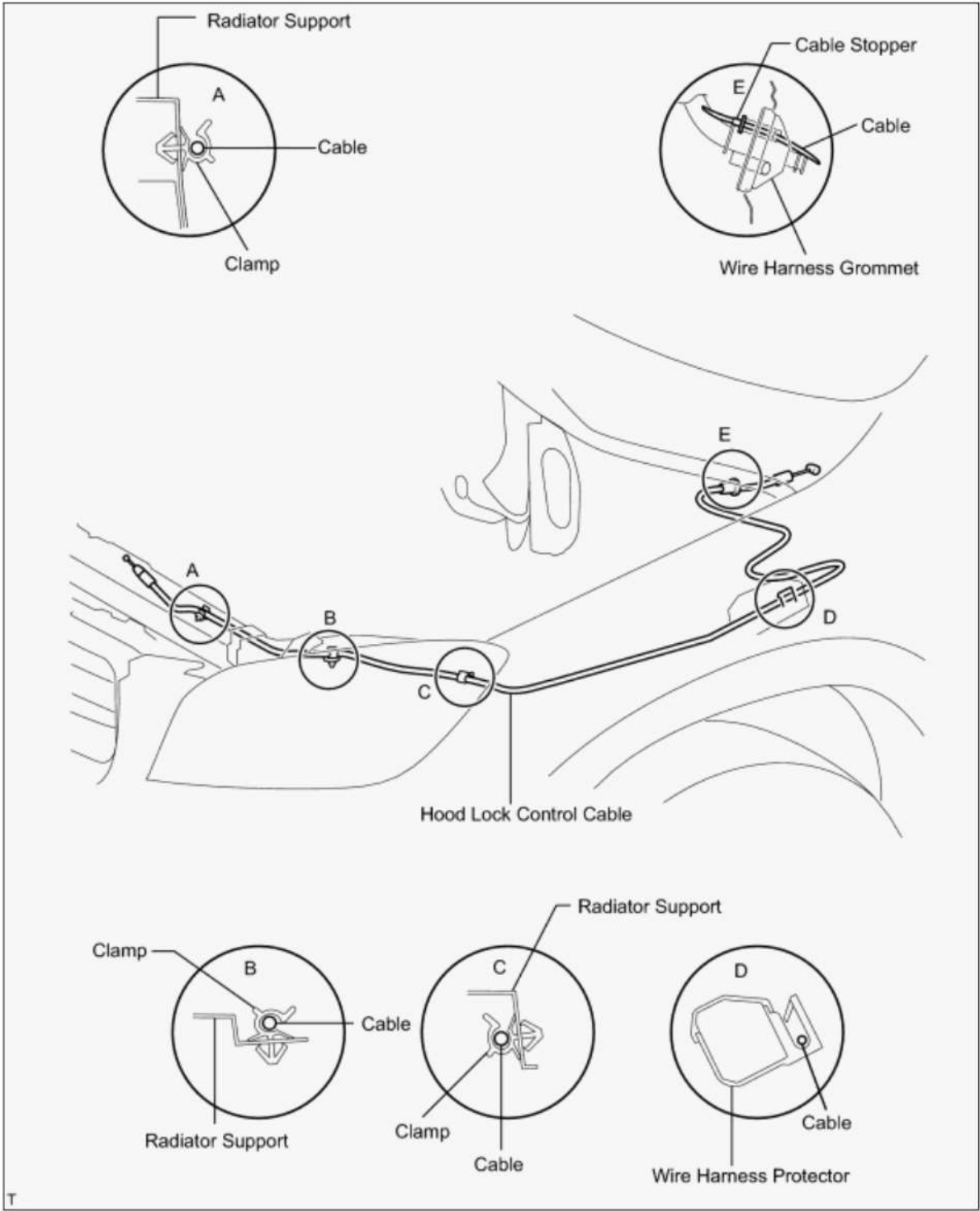
(a) Detach the 3 claws and remove the lever.



(b) Disconnect the cable.

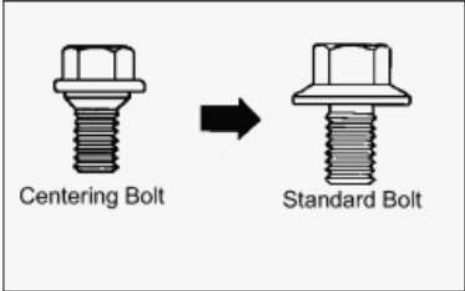
5. REMOVE HOOD LOCK CONTROL CABLE ASSEMBLY

(a) Remove the cable from the clamps, wire harness protector and wire harness grommet as shown in the illustration.



Last Modified: 9-7-2011	6.4 N	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM00000138K01HX
Title: ENGINE HOOD / DOOR: HOOD: ADJUSTMENT (2011 RAV4)		

ADJUSTMENT

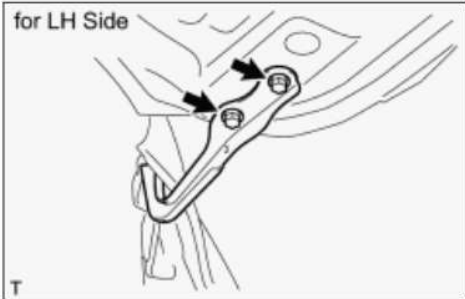


HINT:

- Centering bolts are used to mount the hood hinge and hood lock. The hood and hood lock cannot be adjusted with the centering bolts on. Substitute the centering bolts with standard bolts (with washers) when making adjustments.
- A bolt without a torque specification is shown in the standard bolt chart [INFO](#) .

1. ADJUST HOOD SUB-ASSEMBLY

(a) Adjust the hood's position.

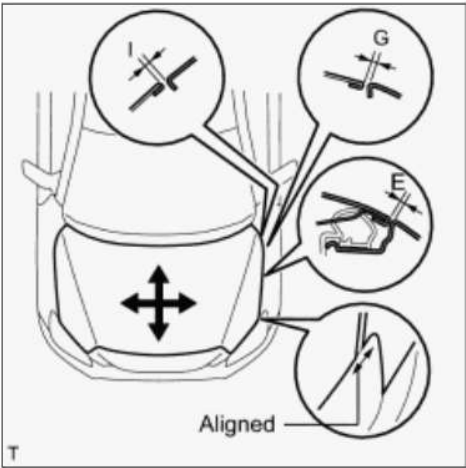


(1) Loosen the hood's 4 hinge bolts.

(2) Move the hood and adjust the clearance between the hood and front fender. Make sure that the clearance is within the standard range.

Standard measurement:

AREA	SPECIFIED CONDITION
E	3.5 +- 1.5 mm (0.138 +- 0.059 in.)
G	3.5 +- 1.5 mm (0.138 +- 0.059 in.)

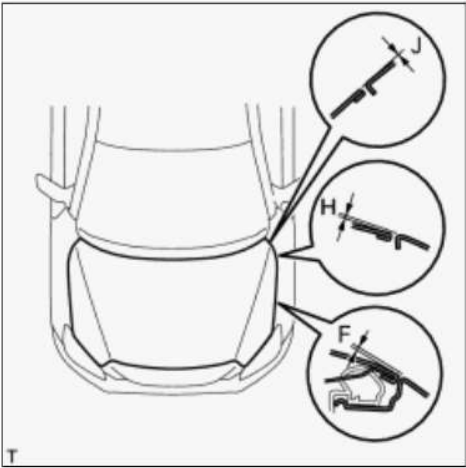
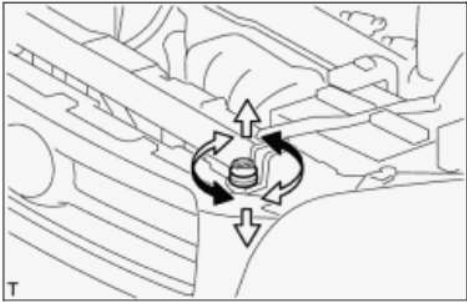


I	3.5 +- 1.5 mm (0.138 +- 0.059 in.)
---	------------------------------------

(3) Tighten the hood's 4 hinge bolts after the adjustment.

Torque: 13 N·m (133 kgf·cm, 10ft·lbf)

(b) Adjust the cushion rubber so that the height of the hood and fender are aligned.

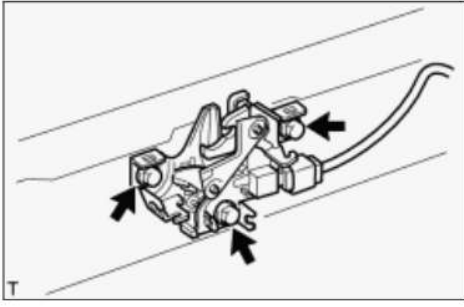


(1) Raise or lower the hood's front end by turning the cushion rubber. Make sure that the clearance is within the standard range.

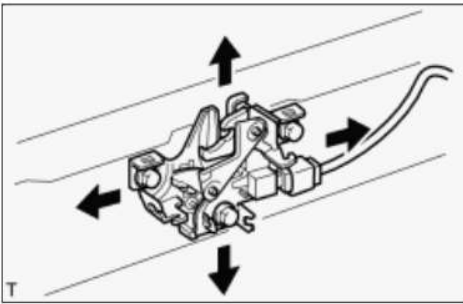
Standard measurement:

AREA	SPECIFIED CONDITION
F	0.6 +- 1.5 mm (0.024 +- 0.059 in.)
H	0.5 +- 1.5 mm (0.020 +- 0.059 in.)
J	0.0 +- 1.5 mm (0.000 +- 0.059 in.)

(c) Adjust the hood lock.



(1) Loosen the 3 bolts.



(2) Adjust the hood lock position so that the striker can enter it smoothly.

(3) Tighten the 3 bolts after the adjustment.

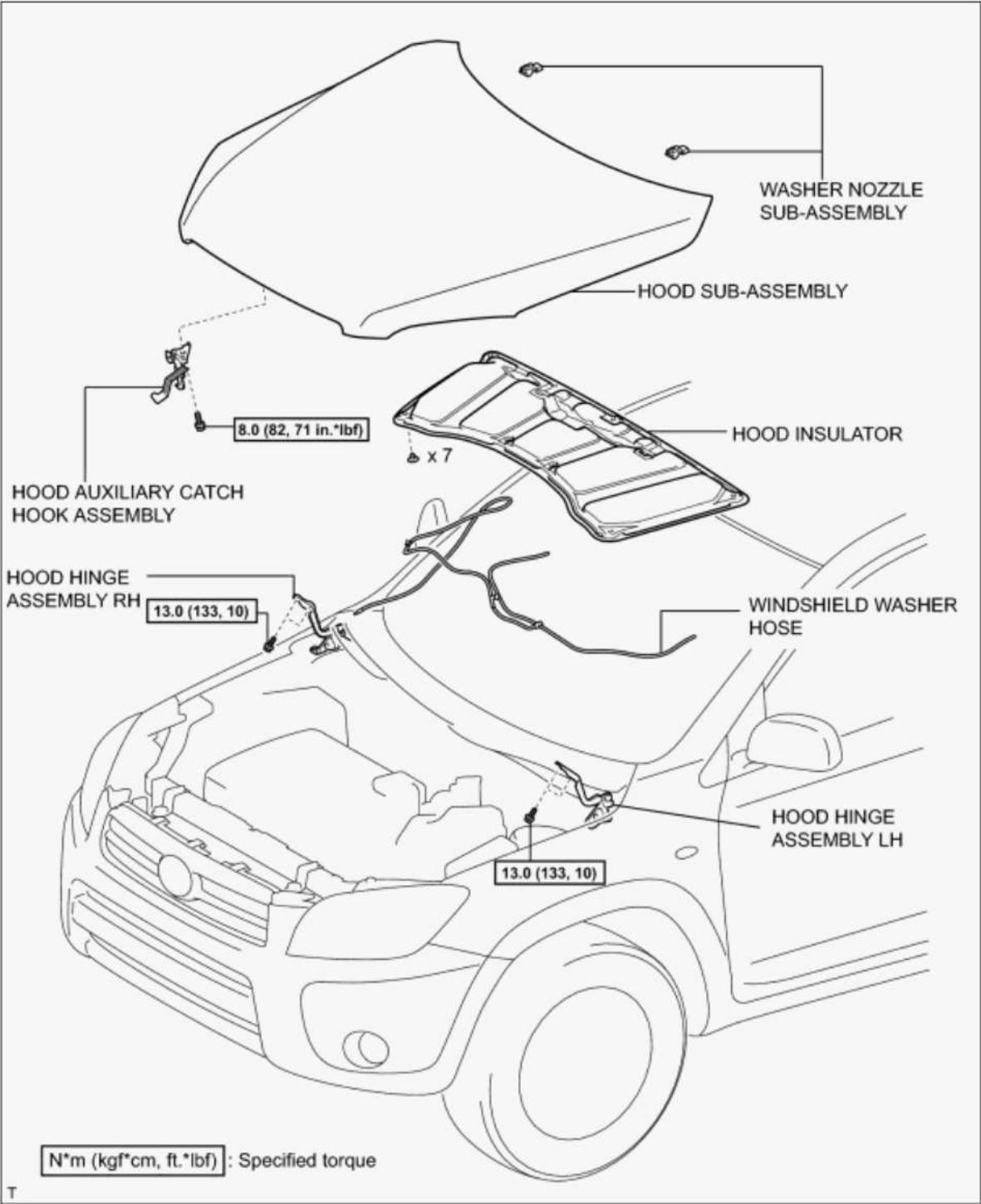
Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)



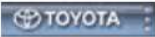
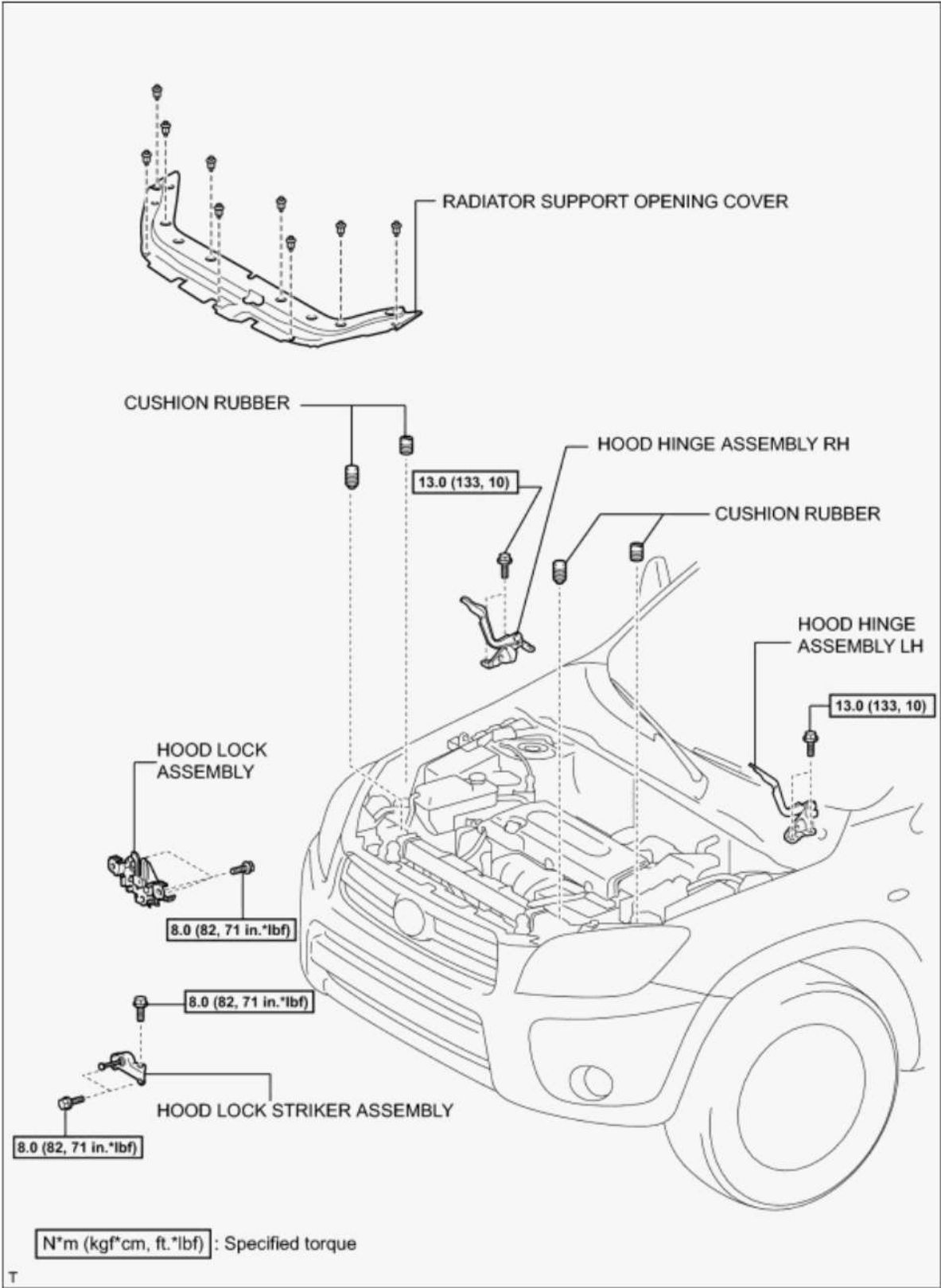
Last Modified: 9-7-2011	6.4 K	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000020SC00EX
Title: ENGINE HOOD / DOOR: HOOD: COMPONENTS (2011 RAV4)		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



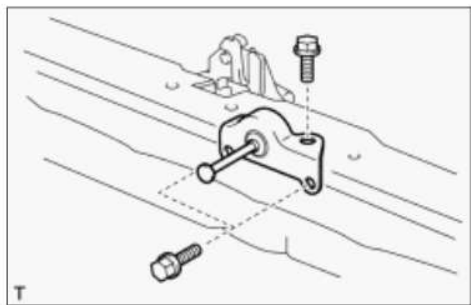
Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM00000161X00SX
Title: ENGINE HOOD / DOOR: HOOD: INSTALLATION (2011 RAV4)		

INSTALLATION

1. INSTALL CUSHION RUBBER

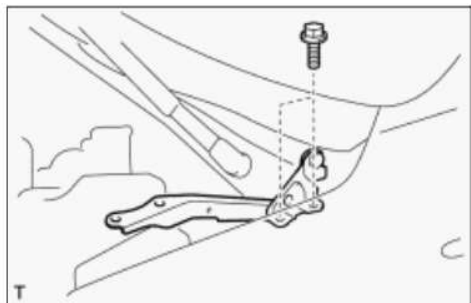
(a) Install the 4 cushion rubbers.

2. INSTALL ENGINE HOOD LOCK STRIKER ASSEMBLY



(a) Install the hood lock striker with the 3 bolts.
Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

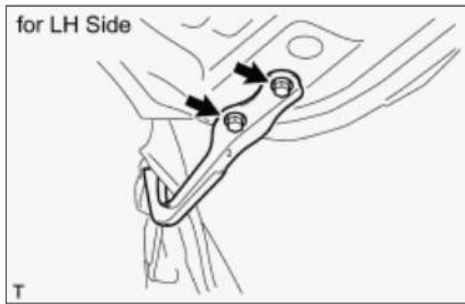
3. INSTALL RADIATOR SUPPORT OPENING COVER INFO



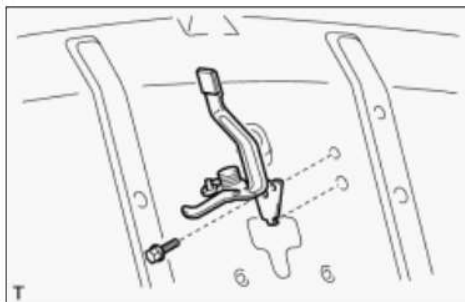
4. INSTALL HOOD HINGE ASSEMBLY LH
(a) Install the hood hinge with the 2 bolts.
Torque: 13.0 N·m (133 kgf·cm, 10ft·lbf)

5. INSTALL HOOD HINGE ASSEMBLY RH
(a) Install the hood hinge with the 2 bolts.
Torque: 13.0 N·m (133 kgf·cm, 10ft·lbf)

6. INSTALL HOOD SUB-ASSEMBLY
(a) Install the hood with the 4 bolts.
Torque: 13.0 N·m (133 kgf·cm, 10ft·lbf)
(b) Adjust the hood position INFO .



7. INSTALL HOOD AUXILIARY CATCH HOOK ASSEMBLY



(a) Install the hook with the bolt.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

8. CONNECT WINDSHIELD WASHER HOSE

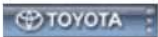
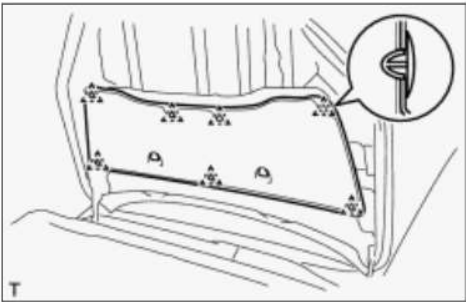


(a) Attach the 3 clamps to connect the washer hose.

9. INSTALL WASHER NOZZLE SUB-ASSEMBLY

10. INSTALL HOOD INSULATOR

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

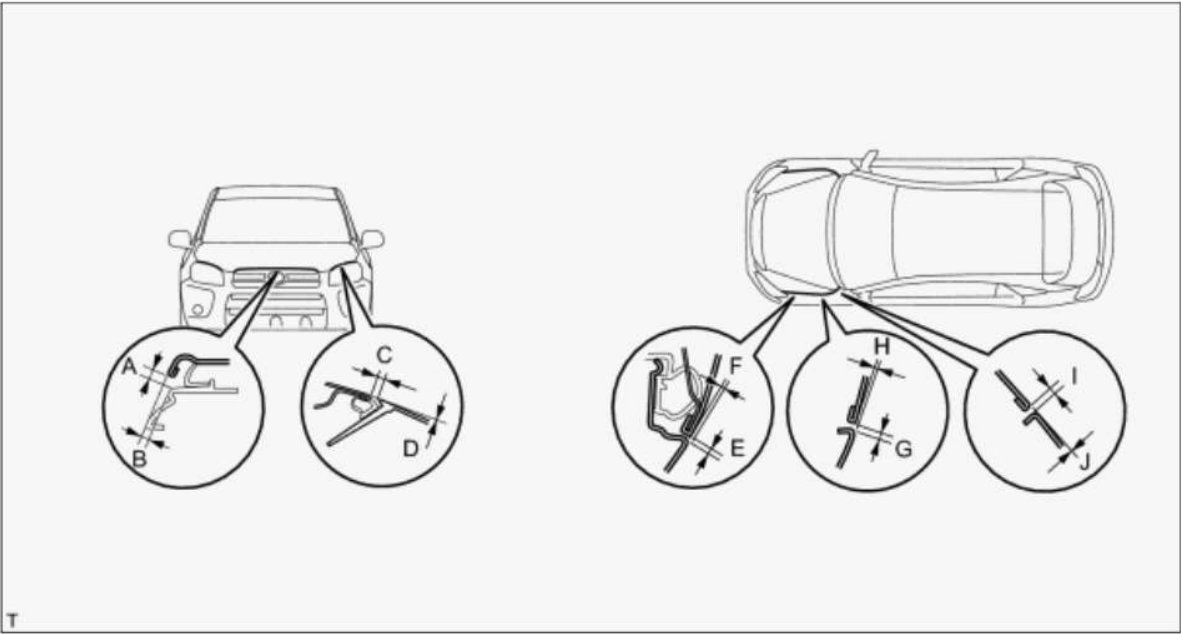


Last Modified: 9-7-2011	6.4 G	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM00000138L00ZX
Title: ENGINE HOOD / DOOR: HOOD: ON-VEHICLE INSPECTION (2011 RAV4)		

ON-VEHICLE INSPECTION

1. INSPECT HOOD SUB-ASSEMBLY

(a) Check that the clearance measurements of areas A to J are within the standard range.



Standard measurement:

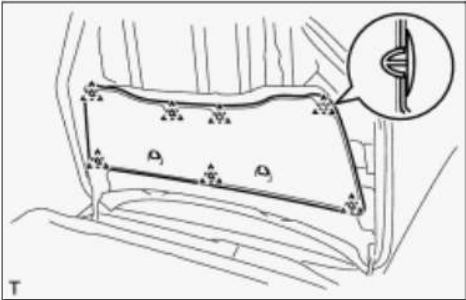
AREA	SPECIFIED CONDITION	AREA	SPECIFIED CONDITION
A	7.1 +- 2.5 mm (0.278 +- 0.098 in.)	F	0.6 +- 1.5 mm (0.024 +- 0.059 in.)
B	3.6 +- 2.5 mm (0.140 +- 0.098 in.)	G	3.5 +- 1.5 mm (0.138 +- 0.059 in.)
C	5.9 +- 2.5 mm (0.230 +- 0.098 in.)	H	0.5 +- 1.5 mm (0.020 +- 0.059 in.)
D	0.2 +- 2.5 mm (0.006 +- 0.098 in.)	I	3.5 +- 1.5 mm (0.138 +- 0.059 in.)
E	3.5 +- 1.5 mm (0.150 +- 0.138 in.)	J	0.0 +- 1.5 mm (0.000 +- 0.059 in.)



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM00000161Z00SX
Title: ENGINE HOOD / DOOR: HOOD: REMOVAL (2011 RAV4)		

REMOVAL

1. REMOVE HOOD INSULATOR



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

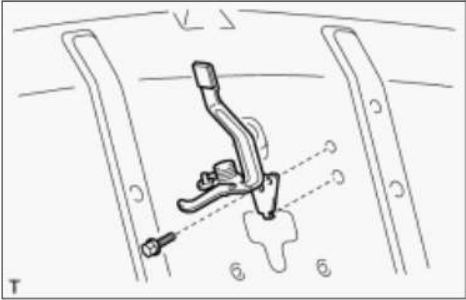
2. REMOVE WASHER NOZZLE SUB-ASSEMBLY

3. DISCONNECT WINDSHIELD WASHER HOSE



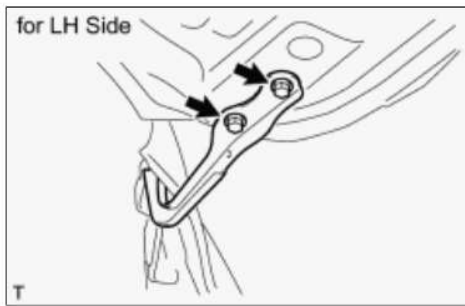
(a) Detach the 3 clamps and disconnect the washer hose.

4. REMOVE HOOD AUXILIARY CATCH HOOK ASSEMBLY

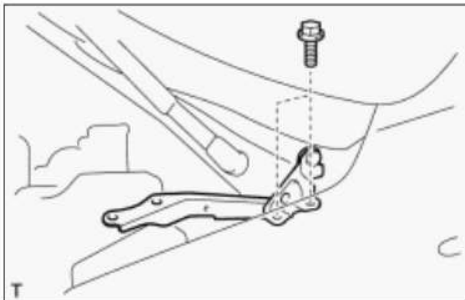


(a) Remove the bolt and hook.

5. REMOVE HOOD SUB-ASSEMBLY



(a) Remove the 4 bolts and hood.



6. REMOVE HOOD HINGE ASSEMBLY LH

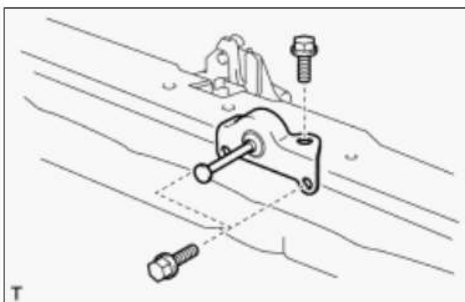
(a) Remove the 2 bolts and hood hinge.

7. REMOVE HOOD HINGE ASSEMBLY RH

(a) Remove the 2 bolts and hood hinge.

8. REMOVE RADIATOR SUPPORT OPENING COVER INFO

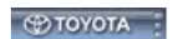
9. REMOVE ENGINE HOOD LOCK STRIKER ASSEMBLY



(a) Remove the 3 bolts and hood lock striker.

10. REMOVE CUSHION RUBBER

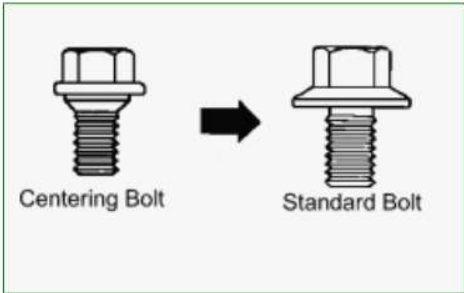
(a) Remove the 4 cushion rubbers.



Last Modified: 9-7-2011	6.4 N	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM00000138W00RX
Title: ENGINE HOOD / DOOR: REAR DOOR: ADJUSTMENT (2011 RAV4)		

ADJUSTMENT

HINT:

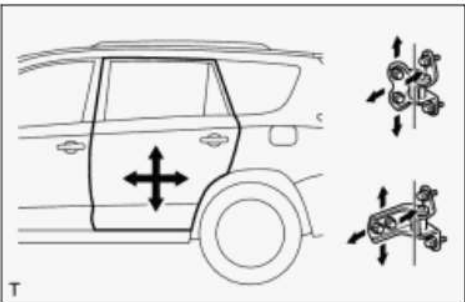


- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.
- Centering bolts are used to mount the door hinge to the vehicle body and door. The door cannot be adjusted with the centering bolts on. Substitute the centering bolts with standard bolts (with washers) when making adjustments.
- A bolt without a torque specification 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 prevent airbag and seat belt pretensioner activation.

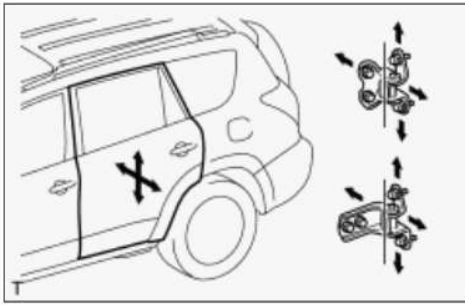
2. ADJUST REAR DOOR PANEL SUB-ASSEMBLY LH



- (a) Loosen the body's hinge bolts and adjust the door's position.
- (b) Tighten the body's hinge bolts after the adjustment.

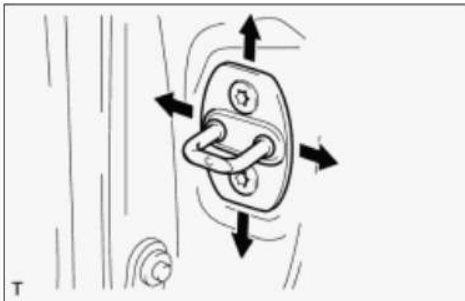
Torque: 26 N·m (265 kgf·cm, 19ft·lbf)

- (c) Loosen the door's hinge bolts and adjust the door's position.



(d) Tighten the door's hinge bolts after the adjustment.

Torque: 26 N·m (265 kgf·cm, 19ft·lbf)

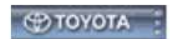


(e) Using a T40 "torx" socket, adjust the striker position by slightly loosening the striker mounting screws and then hitting the striker with a plastic-faced hammer.

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

Torque: 23 N·m (235 kgf·cm, 17ft·lbf)

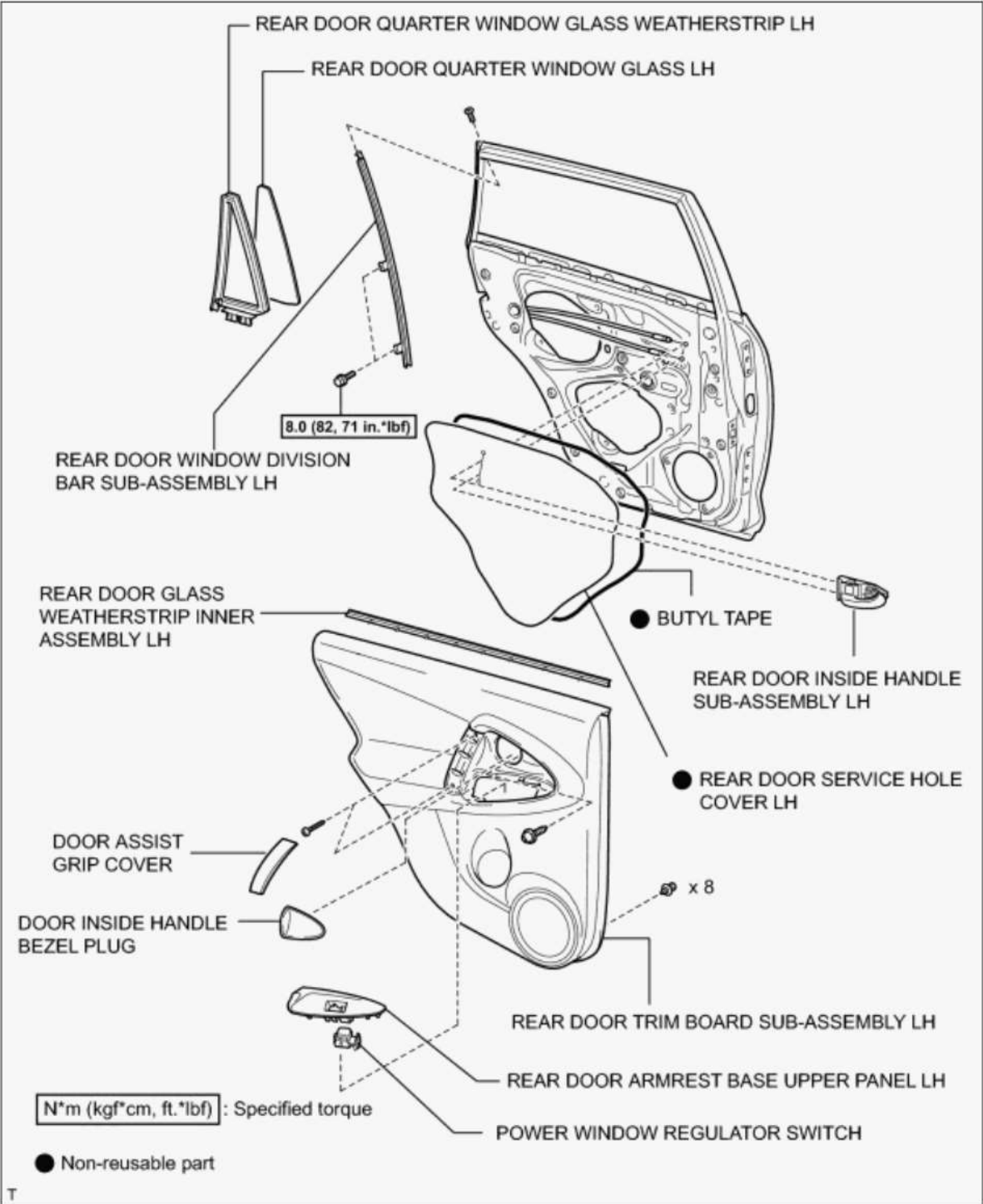
3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL



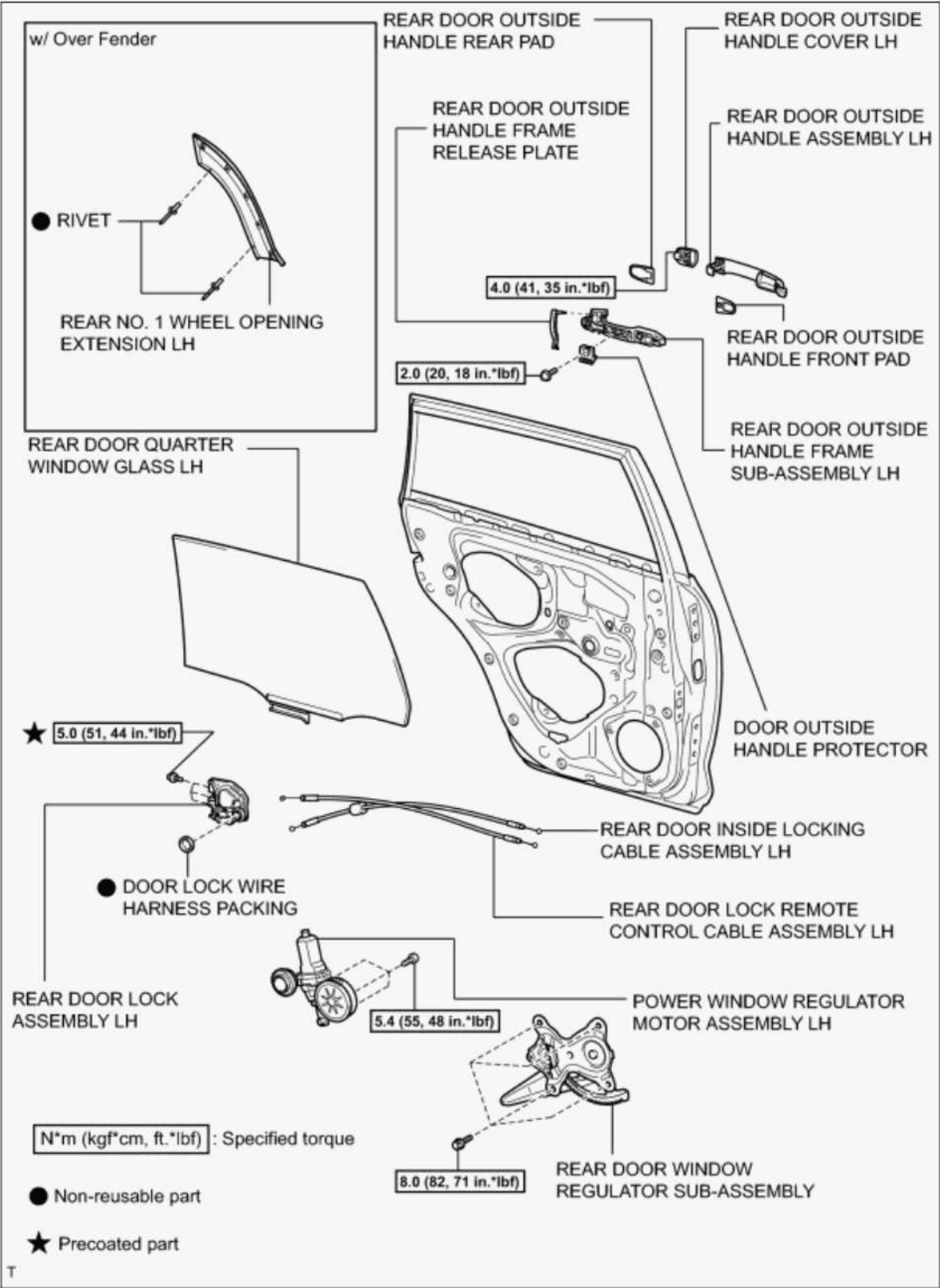
Last Modified: 9-7-2011	6.4 K	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000020SF00CX
Title: ENGINE HOOD / DOOR: REAR DOOR: COMPONENTS (2011 RAV4)		

COMPONENTS

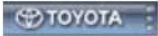
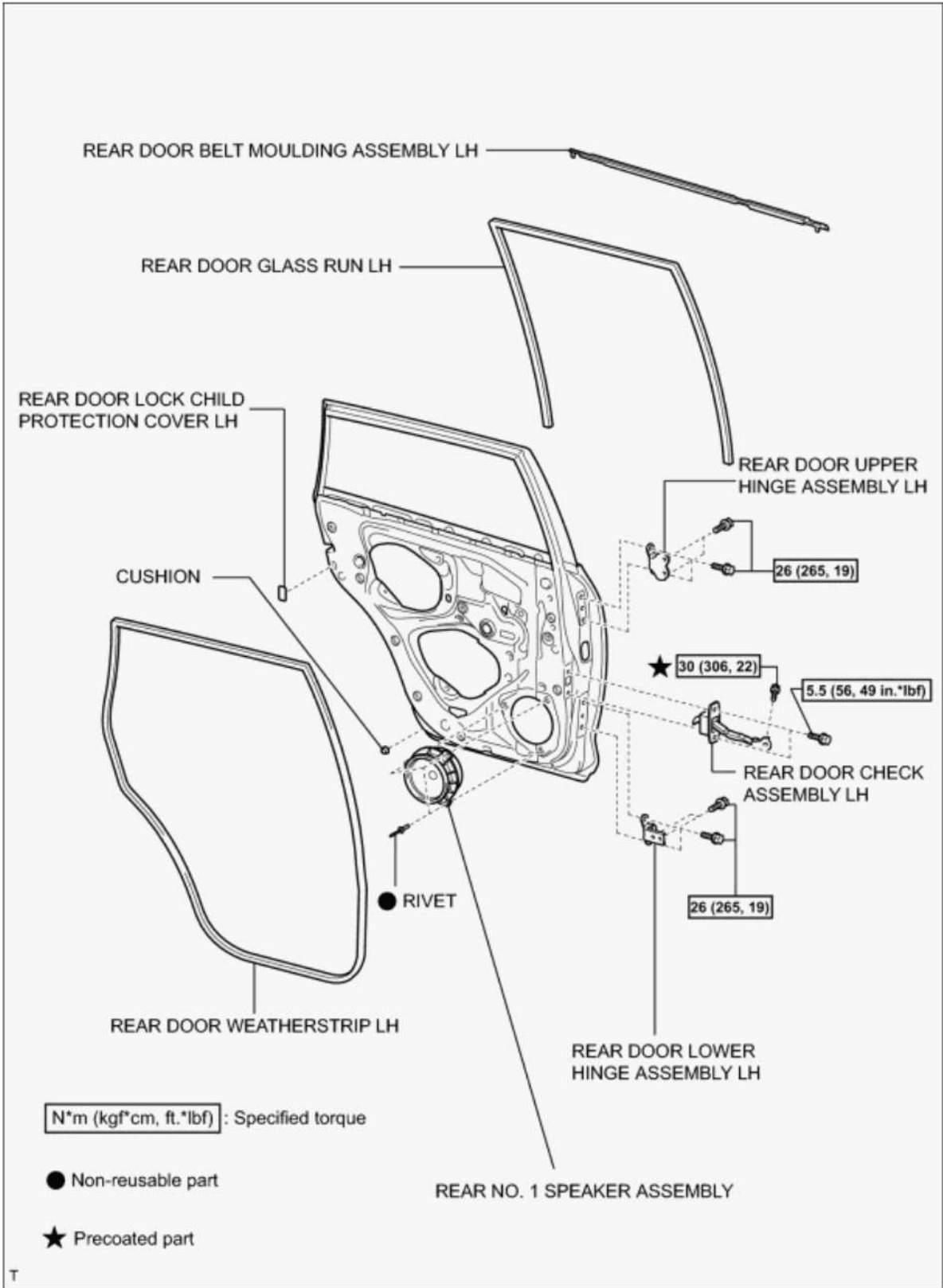
ILLUSTRATION



ILLUSTRATION



ILLUSTRATION



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000021EY00CX
Title: ENGINE HOOD / DOOR: REAR DOOR: DISASSEMBLY (2011 RAV4)		

DISASSEMBLY

HINT:

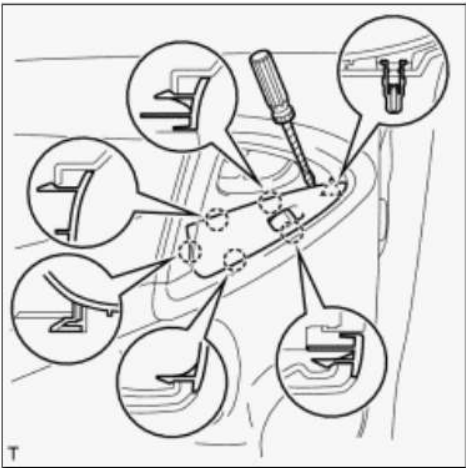
- Use the same procedures for the LH side and RH side.
- The procedures listed below are for the LH side.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE REAR DOOR ARMREST BASE UPPER PANEL LH

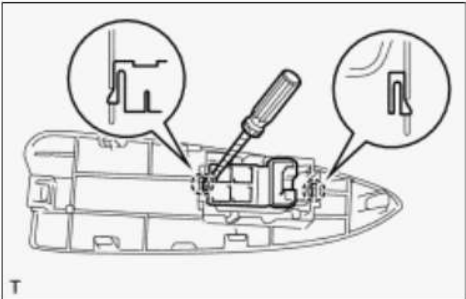


(a) Using a screwdriver, detach the clip, 5 claws, and remove the panel (with switch).

HINT:

Tape the screwdriver tip before use.

(b) Disconnect the switch connectors.



(c) Using a screwdriver, detach the 2 claws and remove the power window regulator switch from the panel.

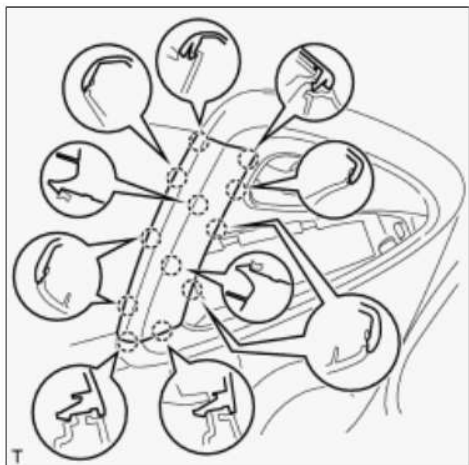
HINT:

Tape the screwdriver tip before use.

NOTICE:

Be careful when detaching the claws as the switch may fall and become damaged.

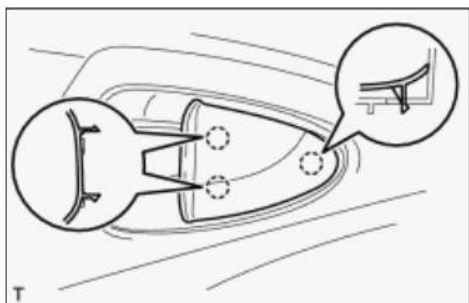
3. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY LH



(a) Using a screwdriver, detach the 12 claws and remove the door assist grip cover.

HINT:

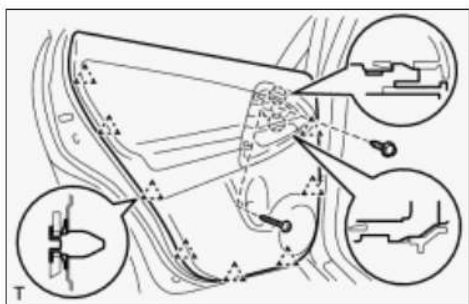
Tape the screwdriver tip before use.



(b) Using a screwdriver, detach the 3 claws and remove the door inside handle bezel plug.

HINT:

Tape the screwdriver tip before use.



(c) Remove the 3 screws.

(d) Using a screwdriver, detach the 8 clips, 2 claws and remove the trim.

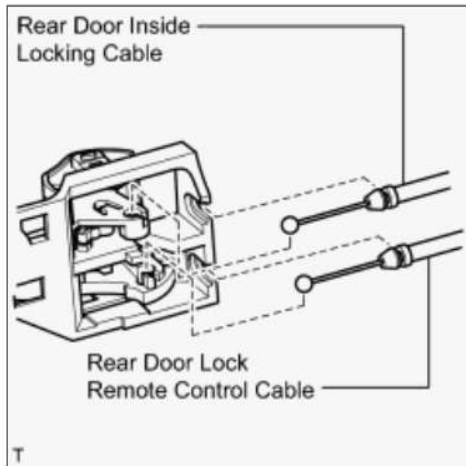
HINT:

- Tape the screwdriver tip before use.
- If the screwdriver cannot reach the clips, pull on the lower trim to remove it.

(e) Using a screwdriver, detach the 6 claws and remove the weatherstrip inner.

HINT:

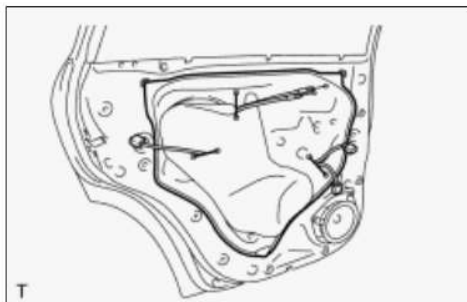
Tape the screwdriver tip before use.

4. REMOVE REAR NO. 1 SPEAKER ASSEMBLY INFO**5. REMOVE REAR DOOR INSIDE HANDLE SUB-ASSEMBLY LH**

(a) Disconnect the 2 cables from the inside handle and remove the inside handle.

NOTICE:

Remove the remaining tape on the door.

6. REMOVE REAR DOOR SERVICE HOLE COVER LH

(a) Disconnect each connector and remove the service hole cover.

NOTICE:

Remove the remaining tape on the door.

7. REMOVE REAR DOOR BELT MOULDING ASSEMBLY LH INFO**8. REMOVE REAR DOOR GLASS RUN LH**

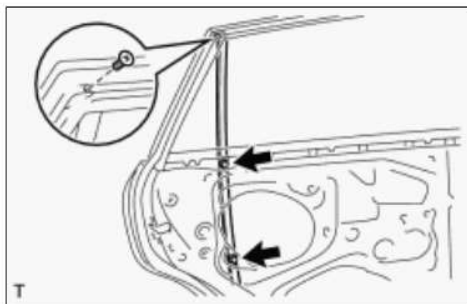
- (a) Temporarily install the power window regulator switch.
- (b) Fully lower the door glass and remove the glass run.
- (c) Remove the power window regulator switch.

9. REMOVE REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY LH

- (a) Partially remove the rear door weatherstrip.

HINT:

It is not necessary to fully remove the rear door weatherstrip. A screw is hidden on the inner side of the rear door weatherstrip.

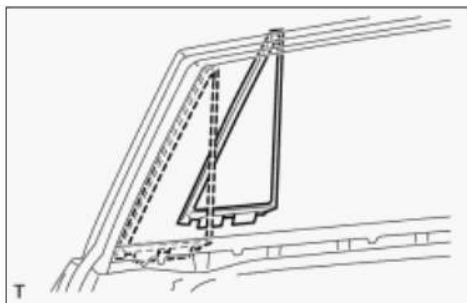


(b) Remove the screw, 2 bolts and division bar.

NOTICE:

Be careful when removing the bolts and screw as the division bar may fall and become damaged.

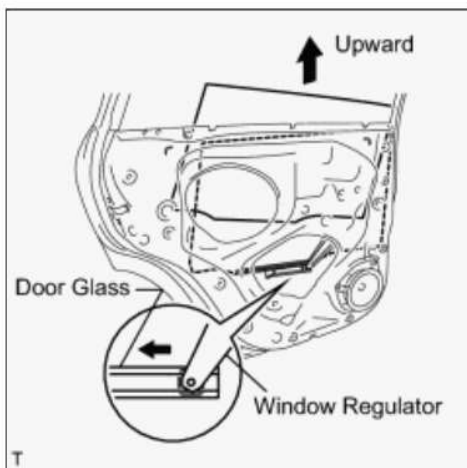
10. REMOVE REAR DOOR QUARTER WINDOW GLASS LH



(a) Remove the window glass (with weatherstrip) as shown in the illustration.

(b) Remove the quarter window glass weatherstrip.

11. REMOVE REAR DOOR GLASS SUB-ASSEMBLY LH



(a) Separate the lower end of the door glass from the window regulator by sliding it in the direction of the arrow in the illustration.

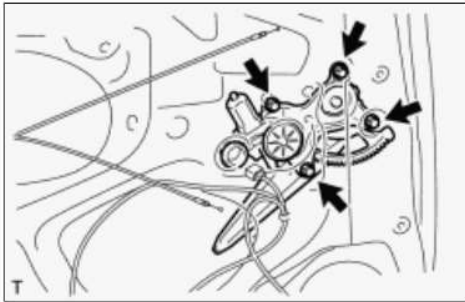
(b) Remove the glass upward.

NOTICE:

Be careful not to damage the glass.

12. REMOVE REAR DOOR WINDOW REGULATOR SUB-ASSEMBLY

(a) Disconnect the connector.



(b) Remove the 4 bolts and regulator.

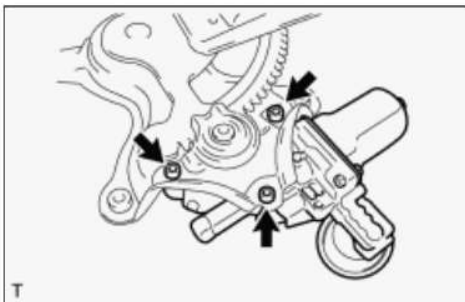
HINT:

Remove the window regulator through the service hole.

NOTICE:

Be careful when removing the bolts as the window regulator may fall and become damaged.

13. REMOVE POWER WINDOW REGULATOR MOTOR ASSEMBLY LH



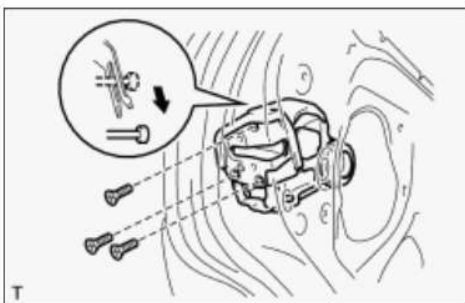
(a) Using a T25 "TORX" driver, remove the 3 screws and motor.

NOTICE:

Be careful when removing the screws as the motor may fall and become damaged.

14. REMOVE REAR DOOR LOCK ASSEMBLY LH

(a) Disconnect the connector.



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

NOTICE:

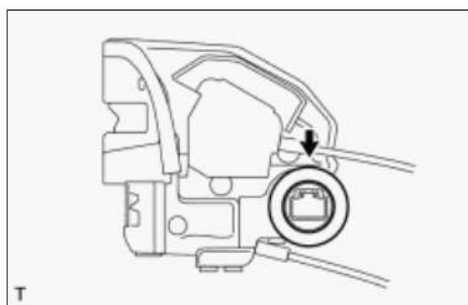
Be careful when removing the bolts as the door lock may fall and become damaged.

(c) Slide the rear door lock downward to disconnect the outside handle frame release plate from the door lock.

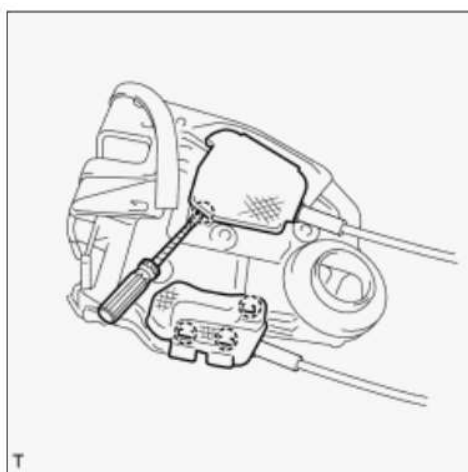
(d) Remove the door lock (with cable).

HINT:

Remove the door lock through the service hole.



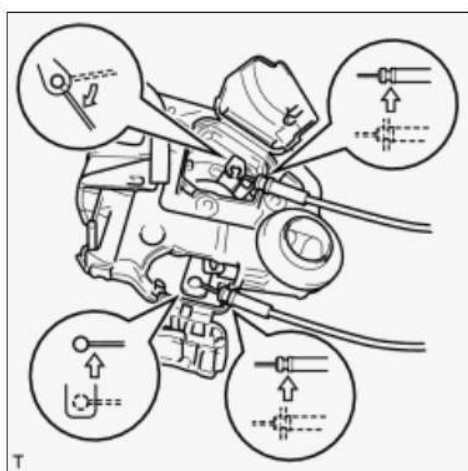
(e) Remove the door lock wiring harness packing from the door lock.



(f) Using a screwdriver, detach the 4 claws and open the 2 covers.

HINT:

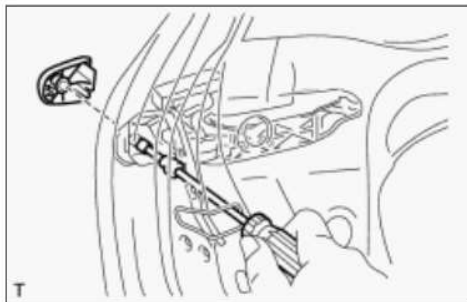
Tape the screwdriver tip before use.



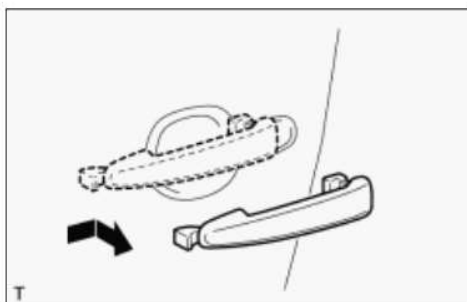
(g) Remove the 2 cables as shown in the illustration.

15. REMOVE REAR DOOR OUTSIDE HANDLE COVER LH

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

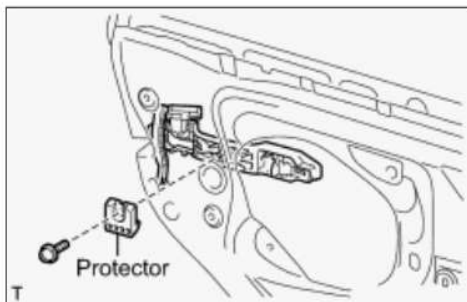


16. REMOVE REAR DOOR OUTSIDE HANDLE ASSEMBLY LH



- (a) Remove the handle by sliding and pulling it in the direction indicated by the arrow in the illustration.

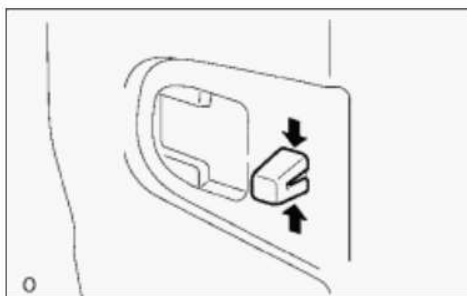
17. REMOVE REAR DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY LH



- (a) Remove the screw and protector.

NOTICE:

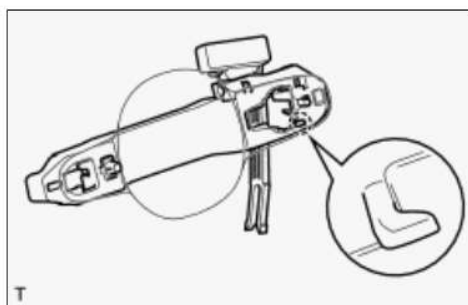
Be careful when removing the screw as the frame may fall and become damaged.



- (b) Using pliers, pinch the clip.

NOTICE:

Be sure to remove the outside handle frame together with the clip, as the clip will be damaged if it remains attached to the door panel.



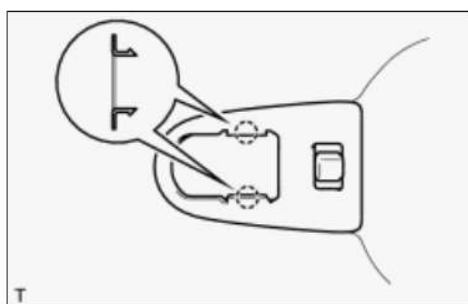
(c) Detach the claw and remove the frame.

HINT:

Remove the frame through the service hole.

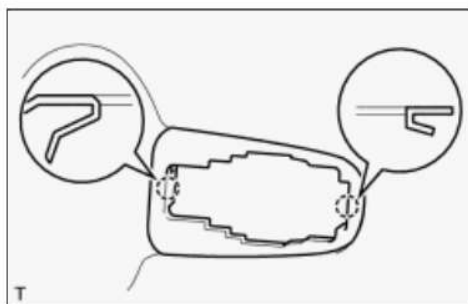
(d) Remove the outside handle frame release plate.

18. REMOVE REAR DOOR OUTSIDE HANDLE FRONT PAD



(a) Detach the 2 claws and remove the pad.

19. REMOVE REAR DOOR OUTSIDE HANDLE REAR PAD



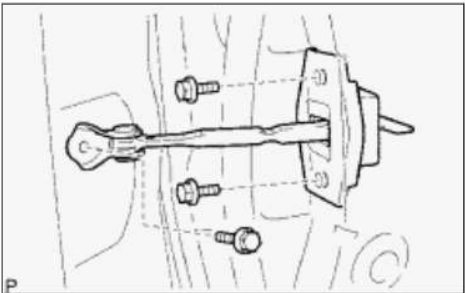
(a) Detach the 2 claws and remove the pad.

20. REMOVE REAR DOOR CHECK ASSEMBLY LH

(a) Remove the 3 bolts and door check.

HINT:

Remove the door check through the service hole.



21. REMOVE REAR DOOR WEATHERSTRIP LH

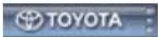


(a) Using a clip remover, detach the 18 clips and remove the weatherstrip.

HINT:
If clips are damaged during removal, replace them.

22. REMOVE REAR DOOR LOCK CHILD PROTECTION COVER LH

23. REMOVE CUSHION

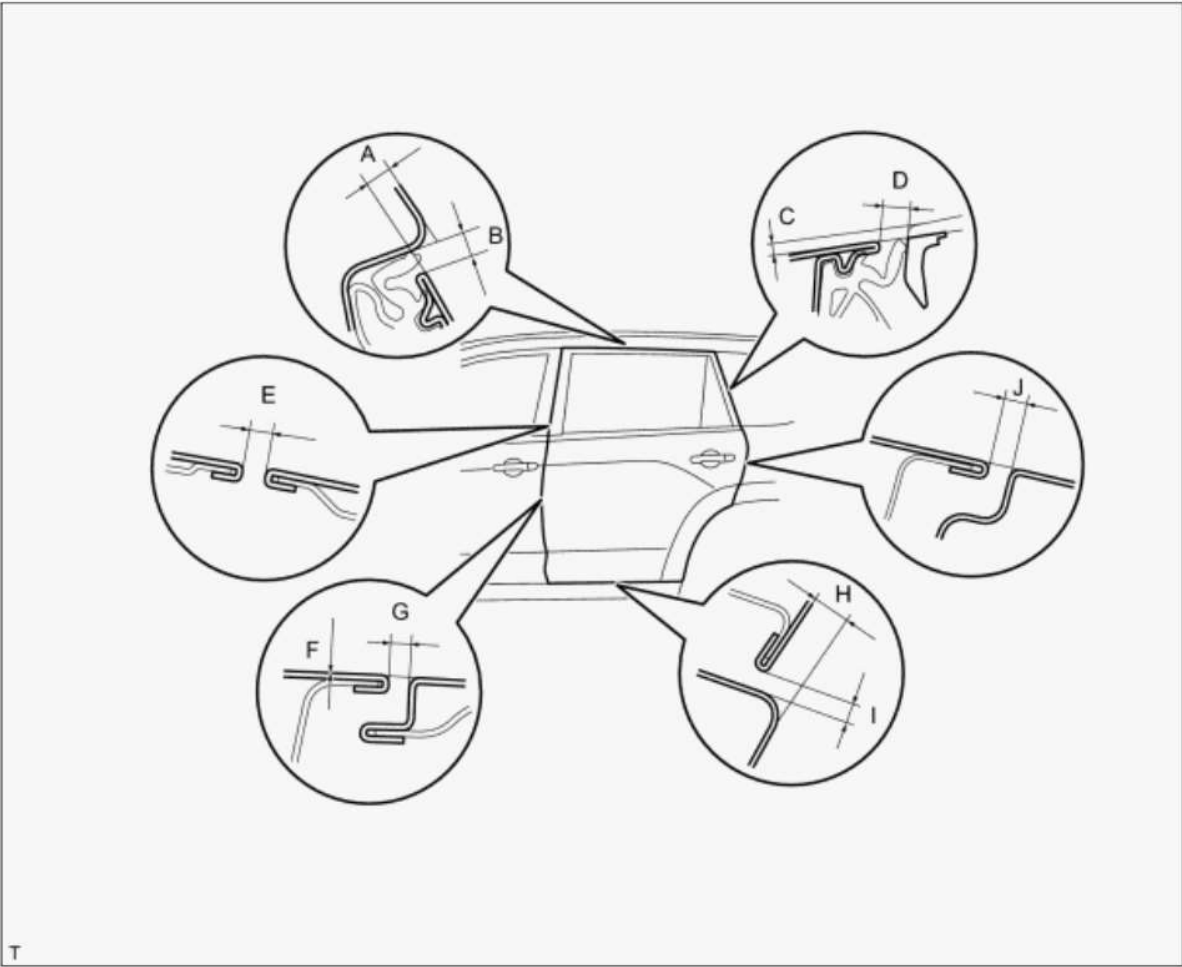


Last Modified: 9-7-2011	6.4 G	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000014N900RX
Title: ENGINE HOOD / DOOR: REAR DOOR: ON-VEHICLE INSPECTION (2011 RAV4)		

ON-VEHICLE INSPECTION

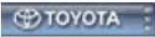
1. INSPECT REAR DOOR PANEL SUB-ASSEMBLY LH

(a) Check that the clearance measurements of areas A to J are within the standard range.



Standard measurement:

AREA	SPECIFIED CONDITION	AREA	SPECIFIED CONDITION
A	6.2 +- 1.5 mm (0.244 +- 0.059 in.)	F	0.0 +- 1.5 mm (0.000 +- 0.059 in.)
B	5.3 +- 1.5 mm (0.209 +- 0.059 in.)	G	4.5 +- 1.5 mm (0.177 +- 0.059 in.)
C	2.9 +- 1.5 mm (0.114 +- 0.059 in.)	H	9.5 +- 1.5 mm (0.374 +- 0.059 in.)
D	6.3 +- 1.5 mm (0.248 +- 0.059 in.)	I	5.1 +- 1.5 mm (0.201 +- 0.059 in.)
E	4.5 +- 1.5 mm (0.177 +- 0.059 in.)	J	3.9 +- 1.5 mm (0.154 +- 0.059 in.)



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000021EZ00CX
Title: ENGINE HOOD / DOOR: REAR DOOR: REASSEMBLY (2011 RAV4)		

REASSEMBLY

HINT:

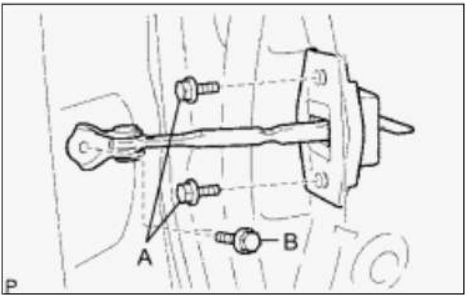
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.
- A bolt without a torque specification is shown in the standard bolt chart [INFO](#) .

1. INSTALL CUSHION
2. INSTALL REAR DOOR LOCK CHILD PROTECTION COVER LH
3. INSTALL REAR DOOR WEATHERSTRIP LH



(a) Attach the 18 clips to install the weatherstrip.

4. INSTALL REAR DOOR CHECK ASSEMBLY LH



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

(b) Install the door check to the door panel with the 2 bolts.

Torque: 5.5 N·m (56 kgf·cm, 49in·lbf)for bolt A

(c) Apply adhesive to the bolt.

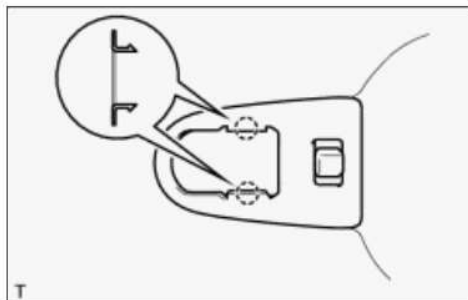
Adhesive:

Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

(d) Install the door check to the body panel with the bolt.

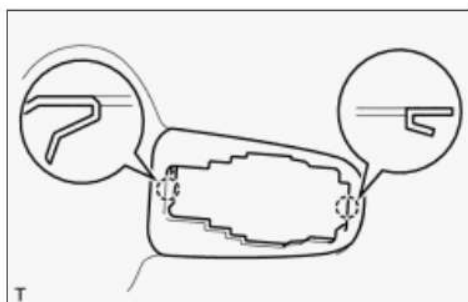
Torque: 30 N·m (306 kgf·cm, 22ft·lbf) for bolt B

5. INSTALL REAR DOOR OUTSIDE HANDLE FRONT PAD LH



(a) Attach the 2 claws to install the pad.

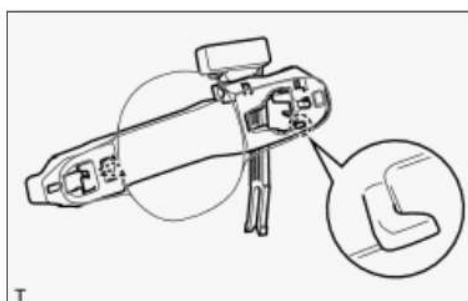
6. INSTALL REAR DOOR OUTSIDE HANDLE REAR PAD



(a) Attach the 2 claws to install the pad.

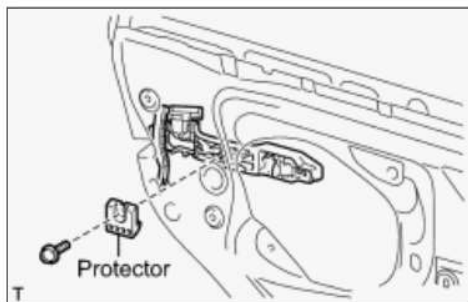
7. INSTALL REAR DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY LH

(a) Install the outside handle frame release plate.



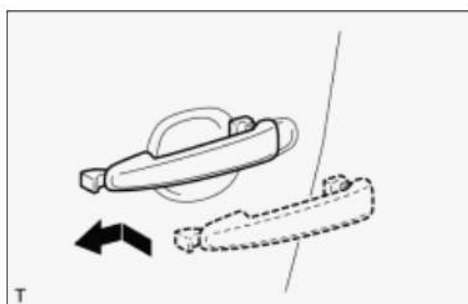
(b) Attach the claw and clip to install the frame.

(c) Install the protector and screw.



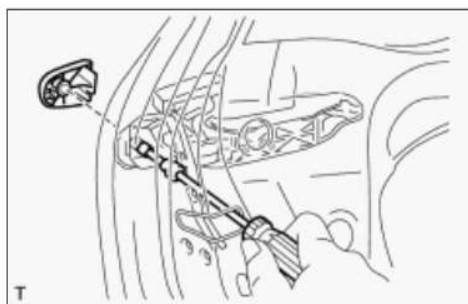
Torque: 2.0 N·m (20 kgf·cm, 18in·lbf)

8. INSTALL REAR DOOR OUTSIDE HANDLE ASSEMBLY LH



(a) Install the handle by pushing and sliding it in the direction indicated by the arrows in the illustration.

9. INSTALL REAR DOOR OUTSIDE HANDLE COVER LH



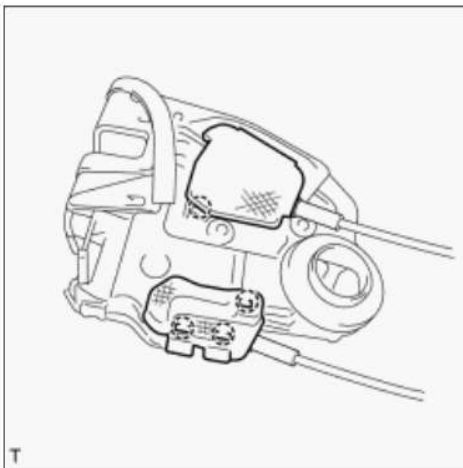
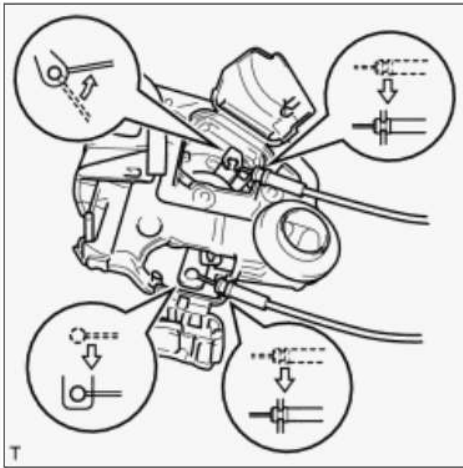
(a) Using a T30 "TORX" socket, install the cover with the screw.

Torque: 4.0 N·m (41 kgf·cm, 35in·lbf)

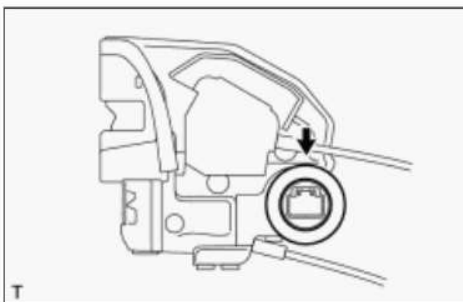
10. INSTALL REAR DOOR LOCK ASSEMBLY LH

(a) Apply MP grease to the sliding and rotating areas of the rear door lock.

(b) Install the 2 cables as shown in the illustration.



(c) Attach the 4 claws to close the 2 covers.



(d) Install a new door lock wire harness packing.

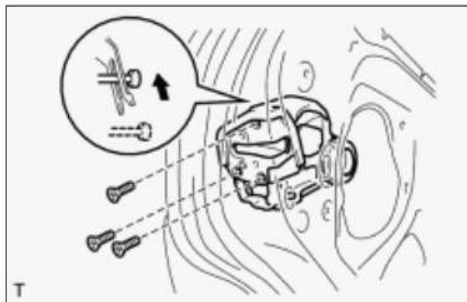
NOTICE:

- When reinstalling the door lock, always use new packing.
- Do not allow grease or dirt to contaminate the gap between the door panel and packing.
- Old or damaged packing cannot effectively protect against water which can damage the door lock.

(e) Connect the outside handle frame release plate into the door lock, and then set it to the door panel.

NOTICE:

Make sure that the plate is securely engaged with the lock.



(f) Apply adhesive to the threads of the 3 screws.

Adhesive:

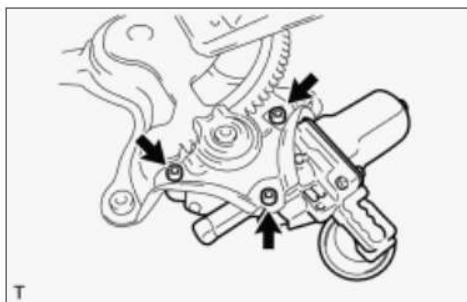
Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

(g) Using a T30 "TORX" socket, install the door lock with the 3 screws.

Torque: 5.0 N·m (51 kgf·cm, 44in·lbf)

(h) Connect the connector.

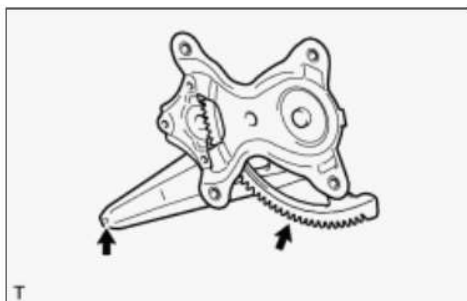
11. INSTALL POWER WINDOW REGULATOR MOTOR ASSEMBLY LH



(a) Using a T25 "TORX" driver, install the motor with the 3 screws.

Torque: 5.4 N·m (55 kgf·cm, 49in·lbf)

12. INSTALL REAR DOOR WINDOW REGULATOR SUB-ASSEMBLY LH



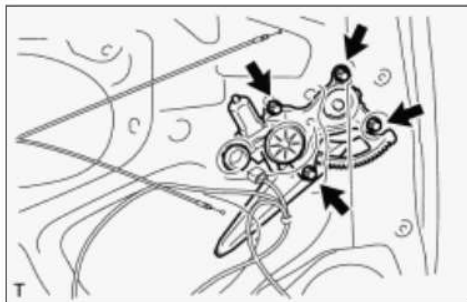
(a) Apply MP grease to the sliding and rotating areas of the window regulator.

NOTICE:

Do not apply grease to the spring of the window regulator.

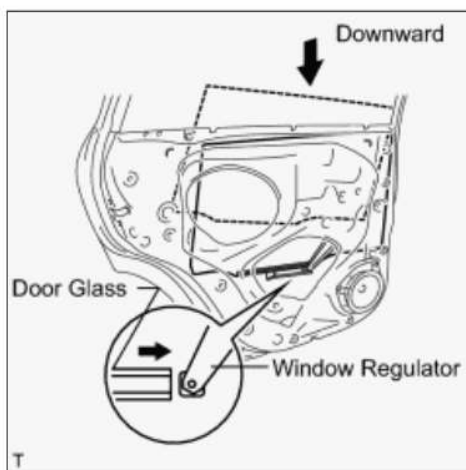
(b) Install the regulator with the 4 bolts.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

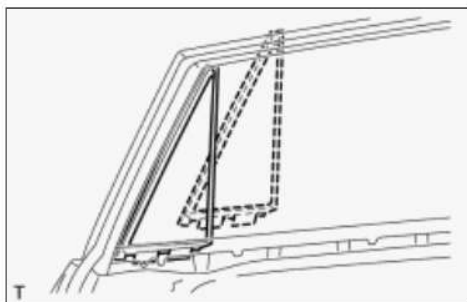
**NOTICE:**

Be careful not to drop the window regulator as it may become damaged.

(c) Connect the connector.

13. INSTALL REAR DOOR GLASS SUB-ASSEMBLY LH

(a) Insert the door glass into the door panel as shown in the illustration. Then install the lower end of the door glass to the window regulator by sliding it in the direction of the arrow in the illustration.

14. INSTALL REAR DOOR QUARTER WINDOW GLASS LH

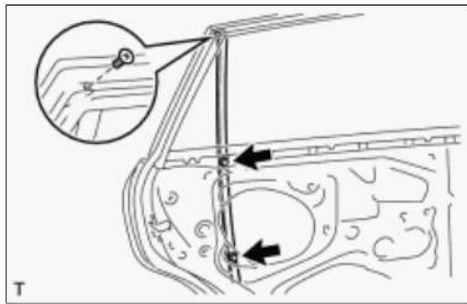
(a) Install the quarter window glass to the quarter window weatherstrip.

(b) Install the quarter window glass (with weatherstrip) to the door panel.

NOTICE:

Be careful not to damage the glass.

15. INSTALL REAR DOOR WINDOW DIVISION BAR SUB-ASSEMBLY LH



(a) Partially remove the rear door weatherstrip.

HINT:

It is not necessary to fully remove the rear door weatherstrip. Install the screw on the inner side of the rear door weatherstrip.

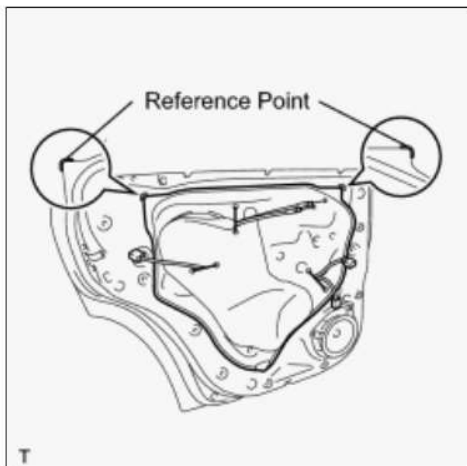
(b) Install the division bar with the 2 bolts and screw.

Torque: 8.0 N·m (82 kgf·cm, 71in·lbf)

16. INSTALL REAR DOOR GLASS RUN LH

17. INSTALL REAR DOOR BELT MOULDING ASSEMBLY LH INFO

18. INSTALL REAR DOOR SERVICE HOLE COVER LH



(a) Apply butyl tape to the door panel, then install a new rear door service hole cover as shown in the illustration.

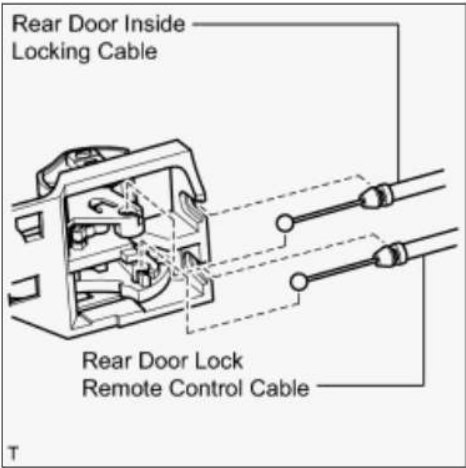
NOTICE:

- When installing the service hole cover, pull out the links and connectors through the service hole cover.
- There should be no wrinkles or folds after attaching the service hole cover.
- After attaching the service hole cover, check the sealing quality.

(b) Connect each connector.

19. INSTALL REAR DOOR INSIDE HANDLE SUB-ASSEMBLY LH

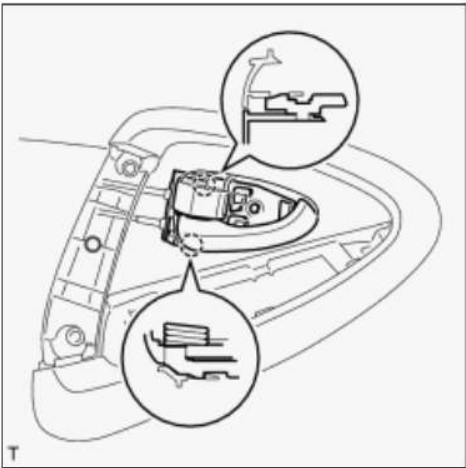
(a) Connect the 2 cables to the inside handle.



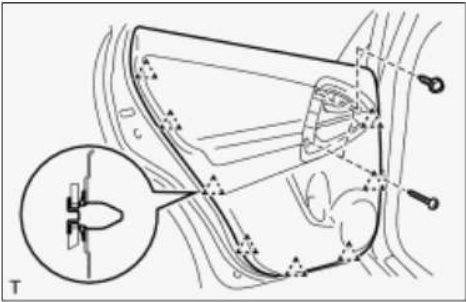
20. INSTALL REAR NO. 1 SPEAKER ASSEMBLY INFO

21. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY LH

(a) Attach the 6 claws to install the weatherstrip inner.

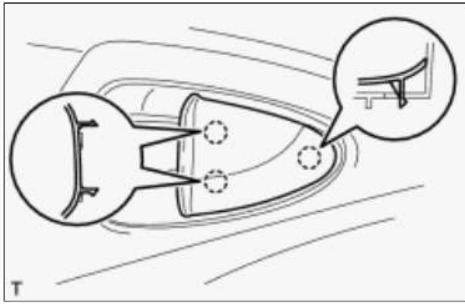


(b) Attach the 2 claws to install the inside handle.

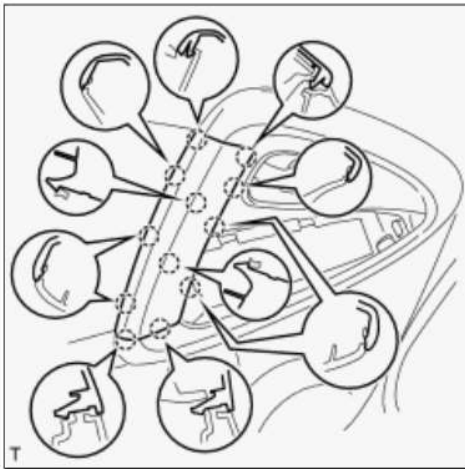


(c) Attach the 8 clips to install the trim board.

(d) Install the 3 screws.

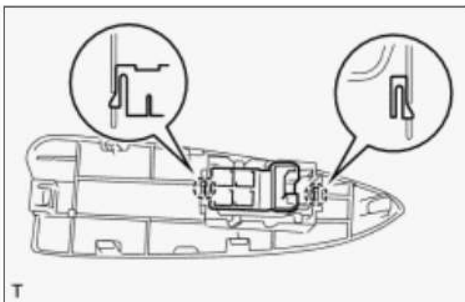


(e) Attach the 3 claws to install the door inside handle bezel plug.



(f) Attach the 12 claws to install the door assist grip cover.

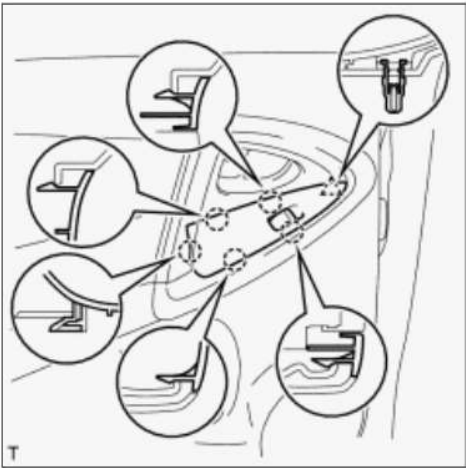
22. INSTALL REAR DOOR ARMREST BASE UPPER PANEL LH



(a) Attach the 2 claws and install the power window regulator switch to the panel.

(b) Connect the switch connector.

(c) Attach the clip and 5 claws to install the panel (with the switch).



23. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

