

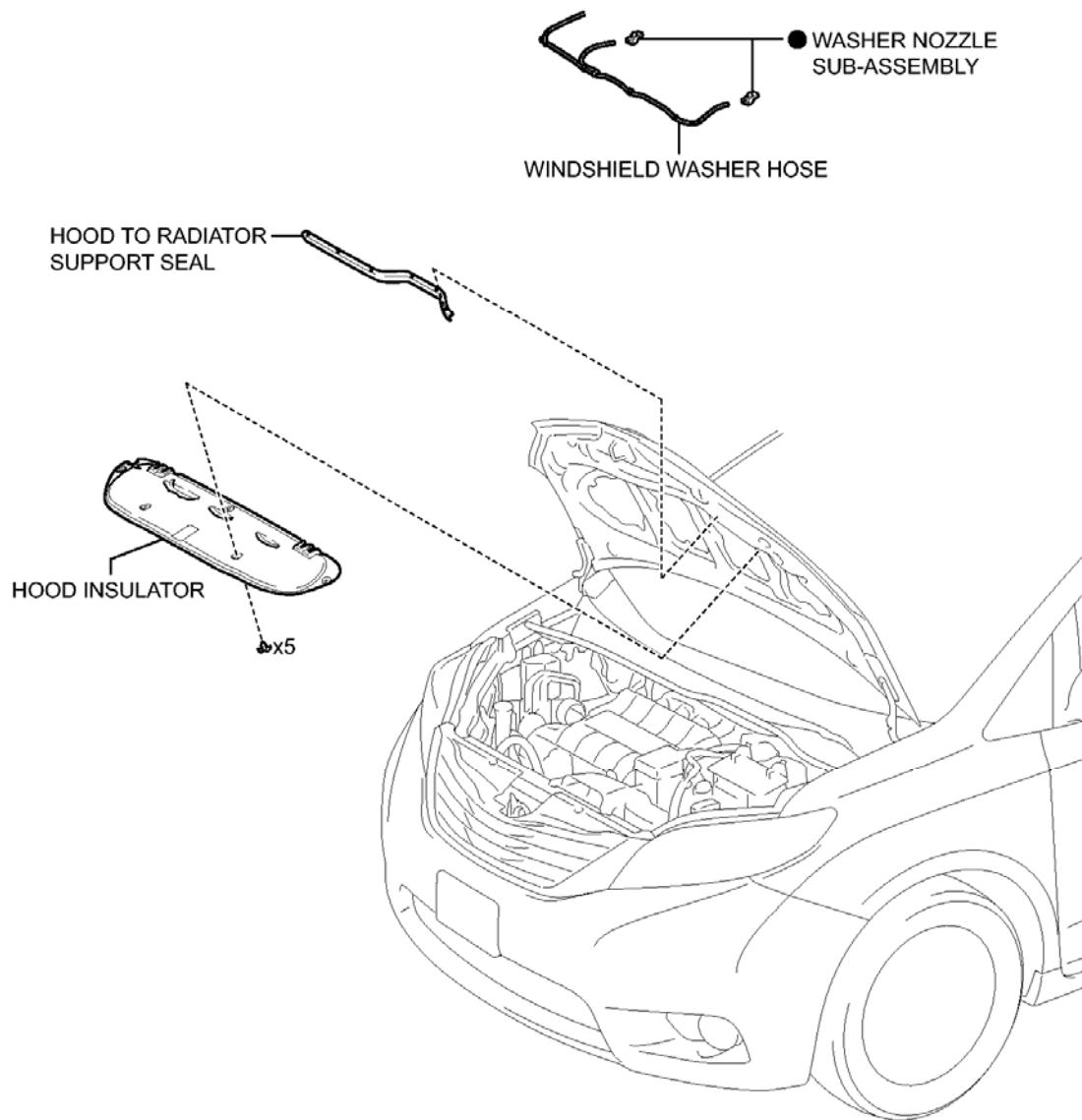
ACCESSORIES & EQUIPMENT

Door / Hood (Service Information) - Sienna

HOOD

COMPONENTS

ILLUSTRATION



● Non-reusable part

P

Fig. 1: Hood Replacement Components

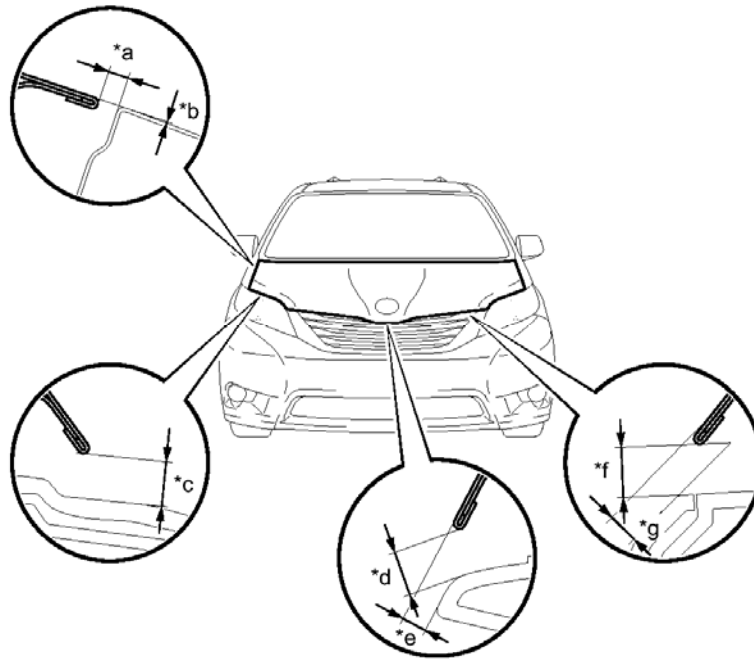
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ON-VEHICLE INSPECTION

ON-VEHICLE INSPECTION

1. INSPECT HOOD SUB-ASSEMBLY

- a. Check that the clearance measurements are within the standard ranges.



P

Fig. 2: Inspecting Hood Sub-Assembly Clearance Measurements
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Standard

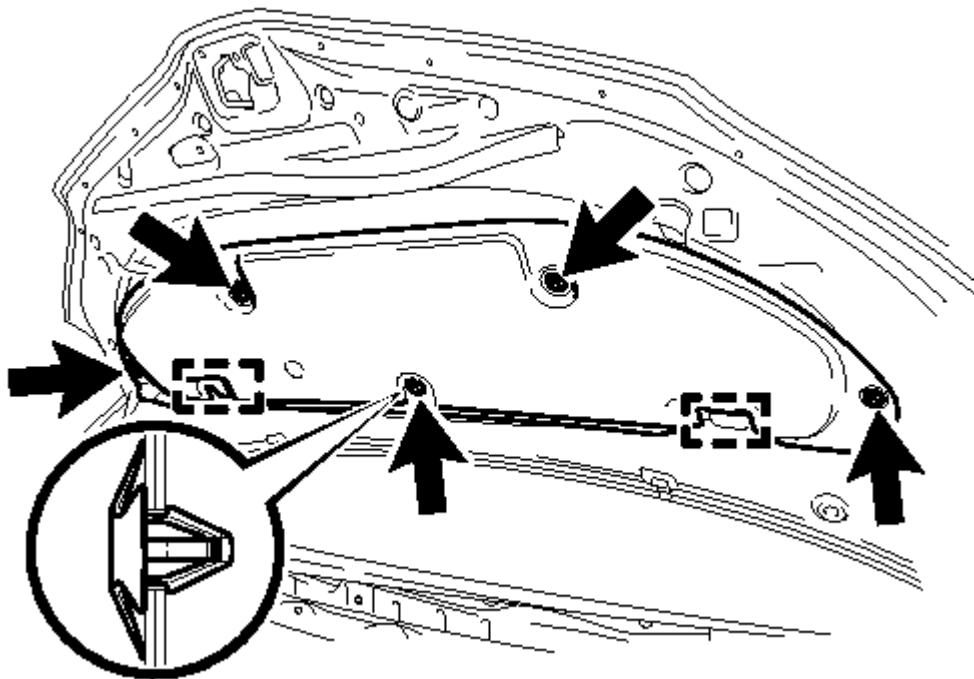
Area	Measurement	Area	Measurement
*a	2.3 to 5.3 mm (0.091 to 0.209 in.)	*e	2.2 to 6.8 mm (0.087 to 0.268 in.)
*b	-1.5 to 1.5 mm (-0.059 to 0.059 in.)	*f	6.7 to 11.3 mm (0.268 to 0.445 in.)
*c	6.4 to 10.4 mm (0.252 to 0.409 in.)	*g	3.6 to 8.2 mm (0.142 to 0.323 in.)
*d	6.3 to 10.9 mm (0.248 to 0.429 in.)	-	-

DISASSEMBLY

DISASSEMBLY

1. REMOVE HOOD INSULATOR

- a. Remove the 5 clips.



P
Fig. 3: Identifying Hood Insulator Clips & Guides
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disengage the 2 guides and remove the hood insulator.

2. REMOVE HOOD TO RADIATOR SUPPORT SEAL

- a. Disengage the 6 clips and remove the hood to radiator support seal.

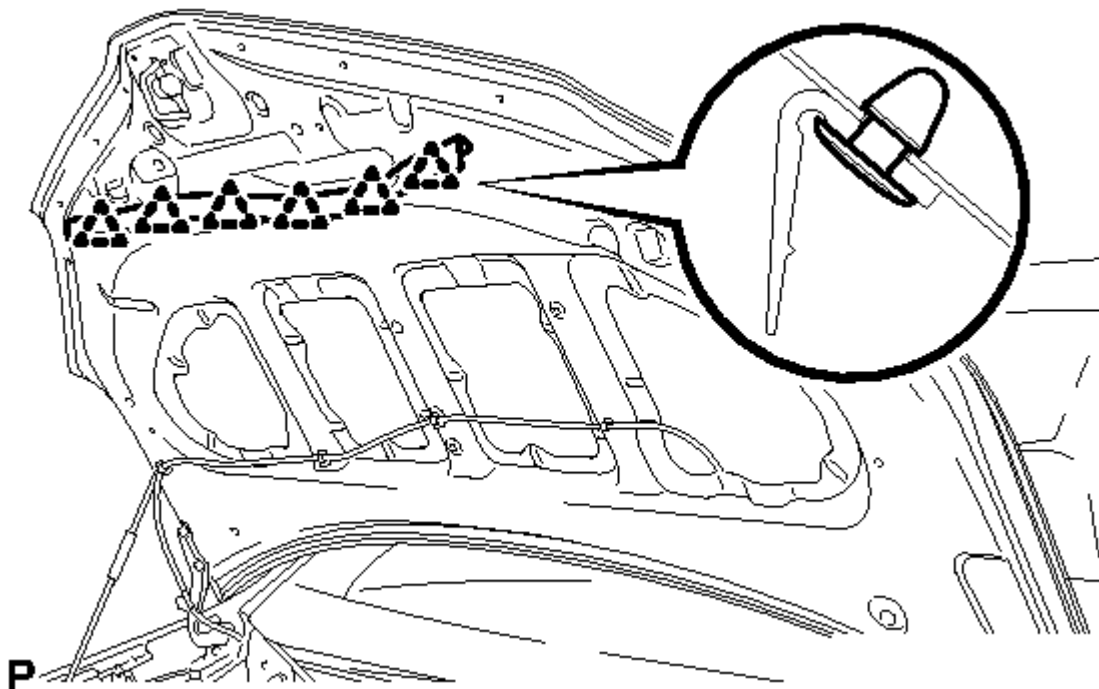
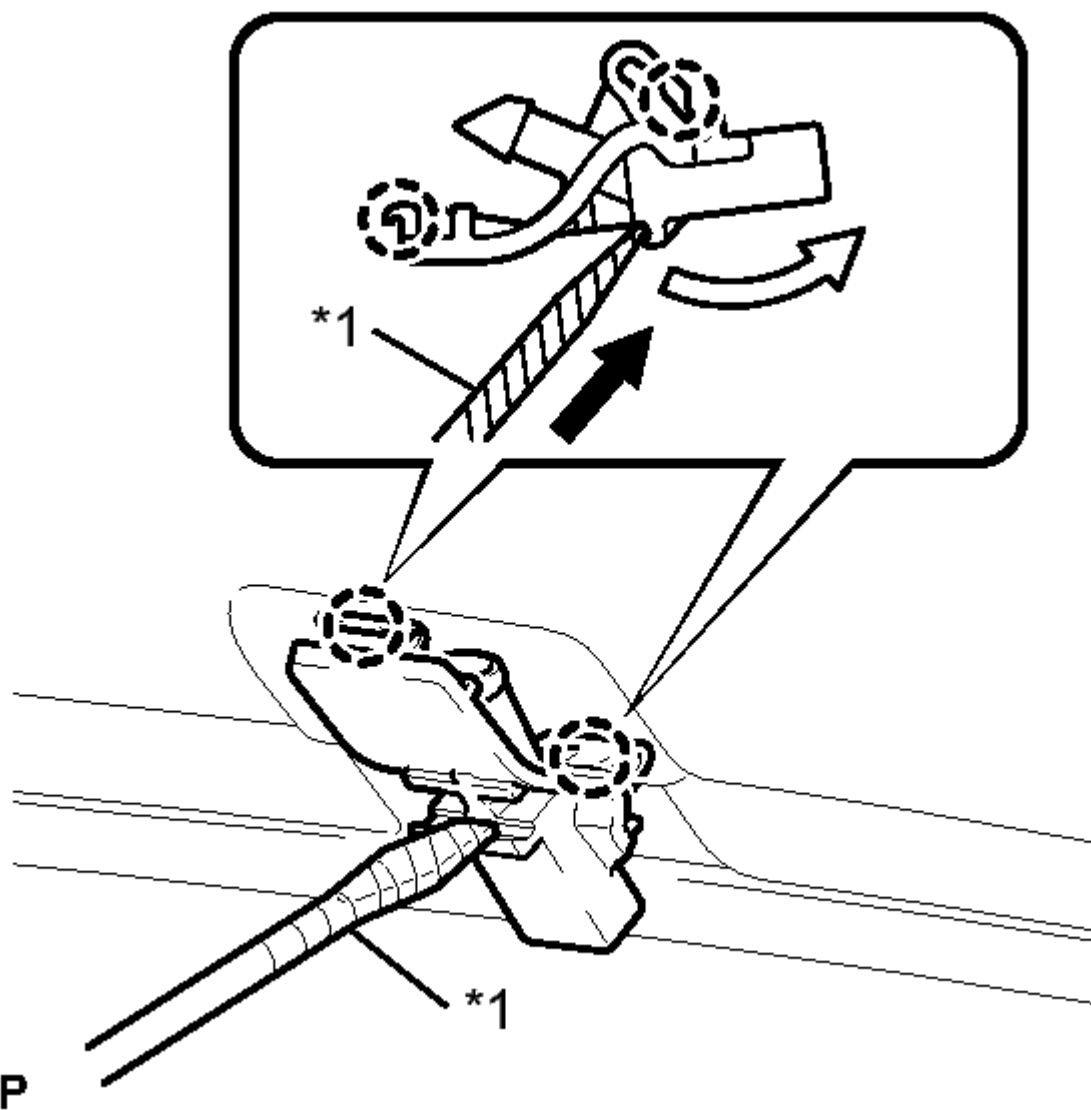


Fig. 4: Identifying Hood To Radiator Support Seal & Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. REMOVE WASHER NOZZLE SUB-ASSEMBLY

- a. Using a screwdriver with its tip wrapped in protective tape, disengage the 2 claws and separate the washer nozzle as shown in the illustration.



P
Fig. 5: Disengaging Washer Nozzle Sub-Assembly Claws Using A Screwdriver
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Protective Tape
----	--------------------

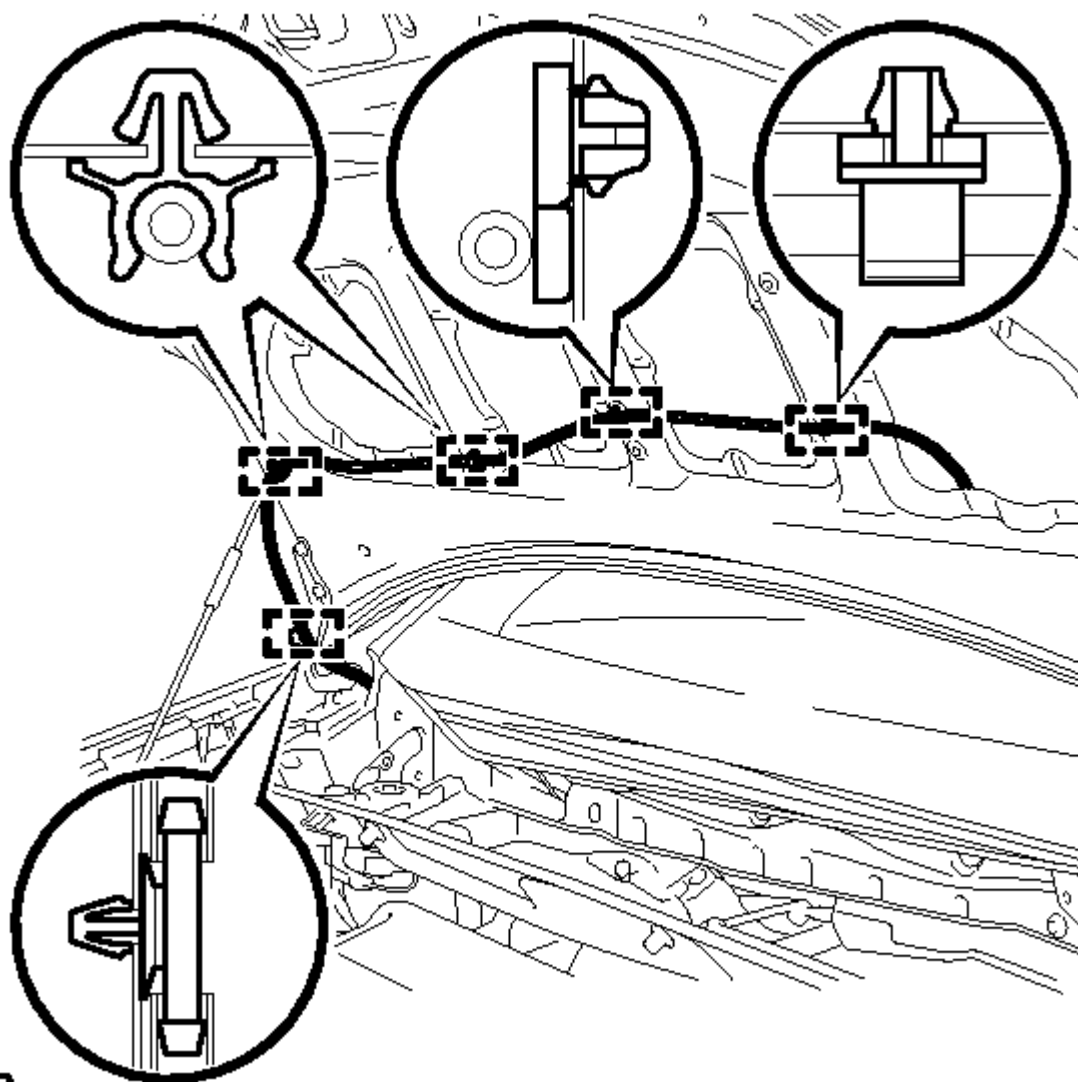
NOTE: Be careful not to damage the windshield.

- b. Disconnect the washer nozzle from the washer hose.

NOTE: Washer nozzles cannot be reused.

4. REMOVE WINDSHIELD WASHER HOSE

- a. Disengage the 5 clips and disconnect the washer hose.



P

Fig. 6: Remove/Install Windshield Washer Hose & Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ADJUSTMENT

ADJUSTMENT

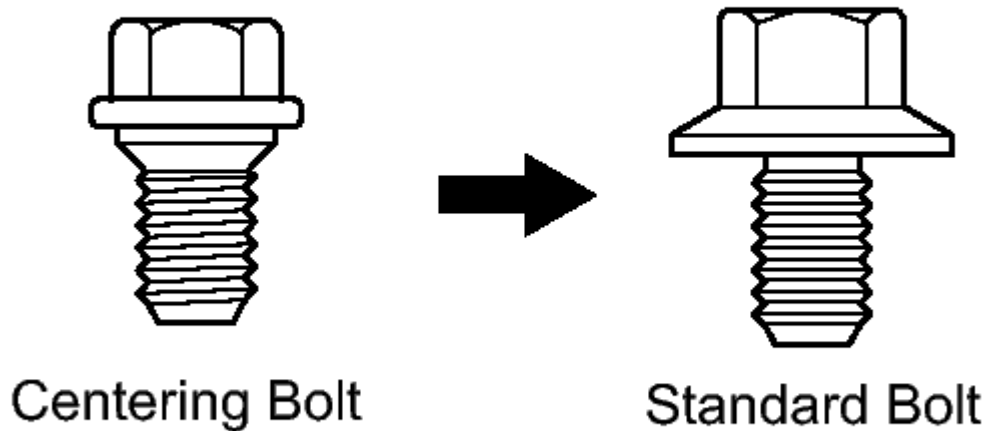


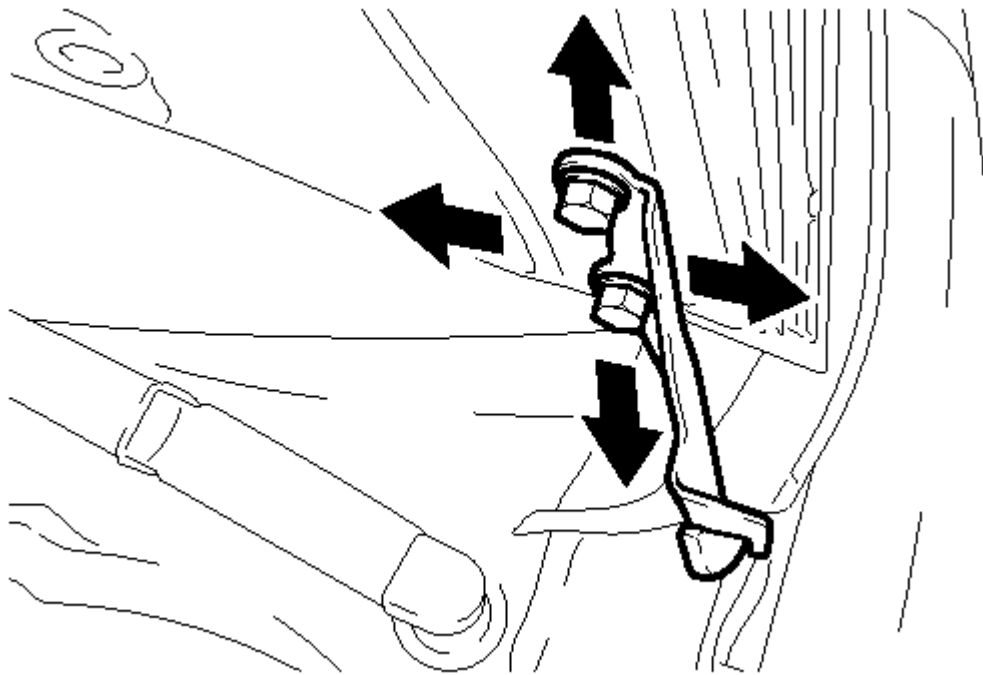
Fig. 7: Identifying Centering And Standard Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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 in. Substitute standard bolts (with washers) for the centering bolts when making adjustments.
- For bolts without torque specifications, check the standard bolt chart. Refer to **SPECIFIED TORQUE FOR STANDARD BOLTS** .

ADJUSTMENT

1. **ADJUST HOOD SUB-ASSEMBLY**
 - a. Loosen the 4 hood side hinge bolts.



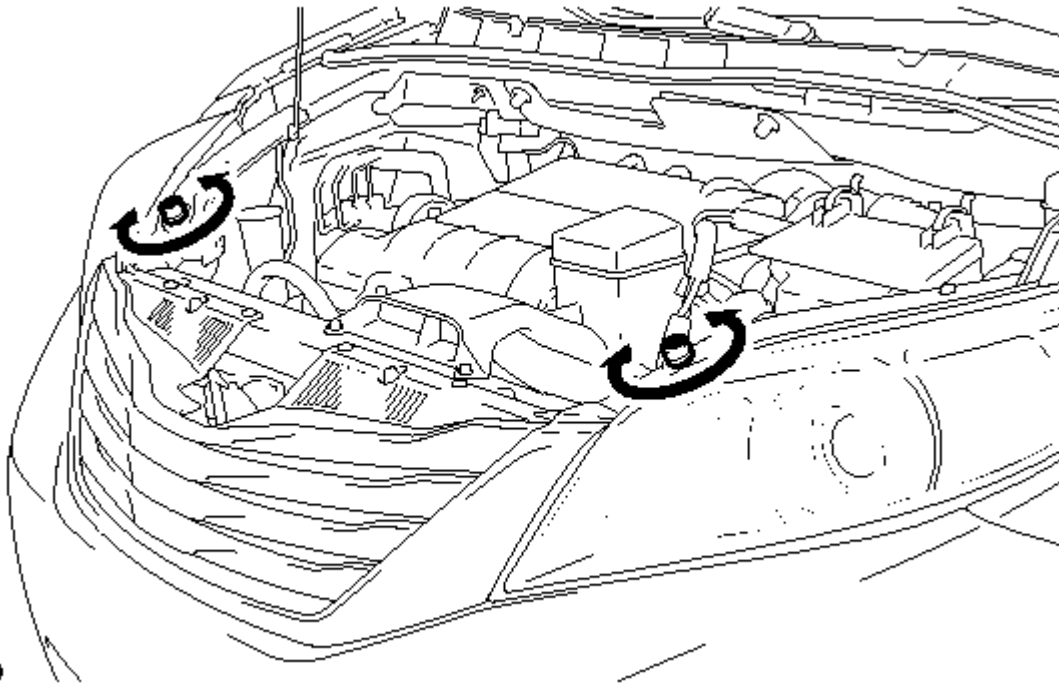
P

Fig. 8: Adjusting Hood Sub-Assembly Side Hinge Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Move the hood to adjust the clearance to within the standard range. See step 1.
- c. Tighten the 4 hood side hinge bolts after the adjustment.

Torque: 13 N*m (133 kgf*cm, 10 ft.*lbf)

- d. Adjust the height of the hood front end by turning the cushion rubber. See step 1.



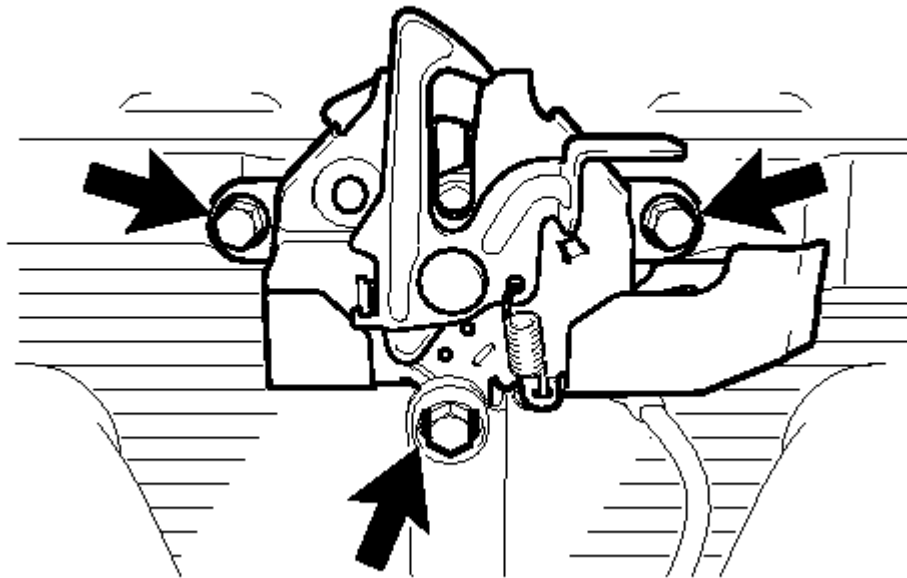
P

Fig. 9: Turning Hood Sub-Assembly Cushion Rubbers
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

HINT:

The cushion rubber can be raised and lowered by turning it.

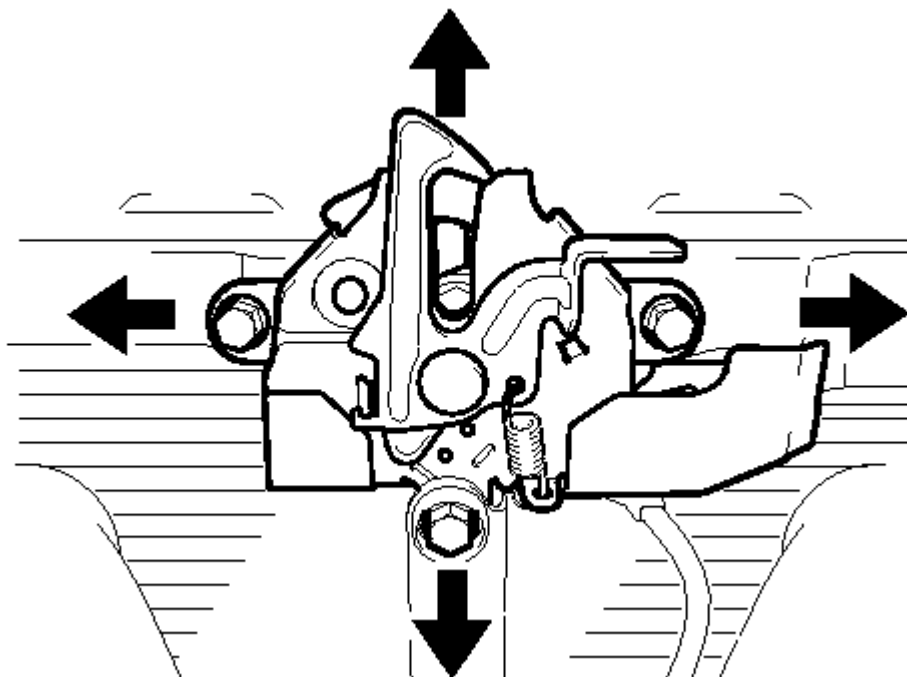
2. **REMOVE RADIATOR GRILLE SUB-ASSEMBLY** . Refer to **REMOVAL - Step 3**
3. **REMOVE MILLIMETER WAVE RADAR SENSOR ASSEMBLY (w/ Dynamic Radar Cruise Control System)** . Refer to **REMOVAL - Step 2**
4. **REMOVE HOOD LOCK NUT CAP** See step 5
5. **ADJUST HOOD LOCK ASSEMBLY**
 - a. Loosen the 3 bolts.



P

Fig. 10: Identifying Hood Lock Assembly & Bolts
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Adjust the hood lock position so that the striker can enter it smoothly.



P

Fig. 11: Adjusting Hood Lock Assembly
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Tighten the 3 bolts after the adjustment.

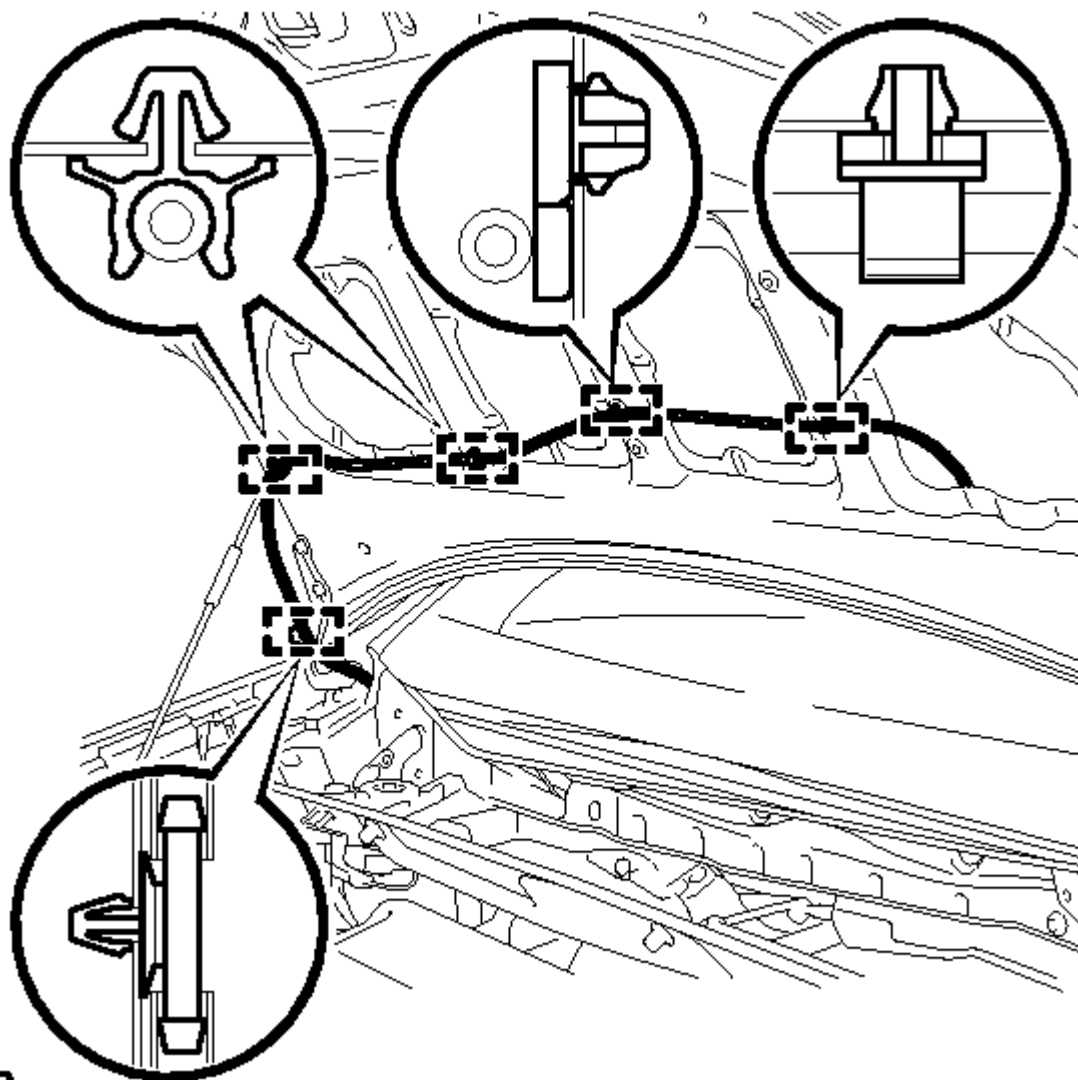
Torque: 8.0 N*m (82 kgf*cm, 71 in.*lbf)

- 6. **INSTALL HOOD LOCK NUT CAP** See step 9
- 7. **INSTALL MILLIMETER WAVE RADAR SENSOR ASSEMBLY (w/ Dynamic Radar Cruise Control System)** . Refer to **INSTALLATION - Step 1**
- 8. **ADJUST MILLIMETER WAVE RADAR SENSOR ASSEMBLY (w/ Dynamic Radar Cruise Control System)** . Refer to **ADJUSTMENT - Step 1**
- 9. **INSTALL RADIATOR GRILLE SUB-ASSEMBLY** . Refer to **INSTALLATION - Step 2**

REASSEMBLY

REASSEMBLY

- 1. **CONNECT WINDSHIELD WASHER HOSE**
 - a. Engage the 5 clips and connect the washer hose.



P

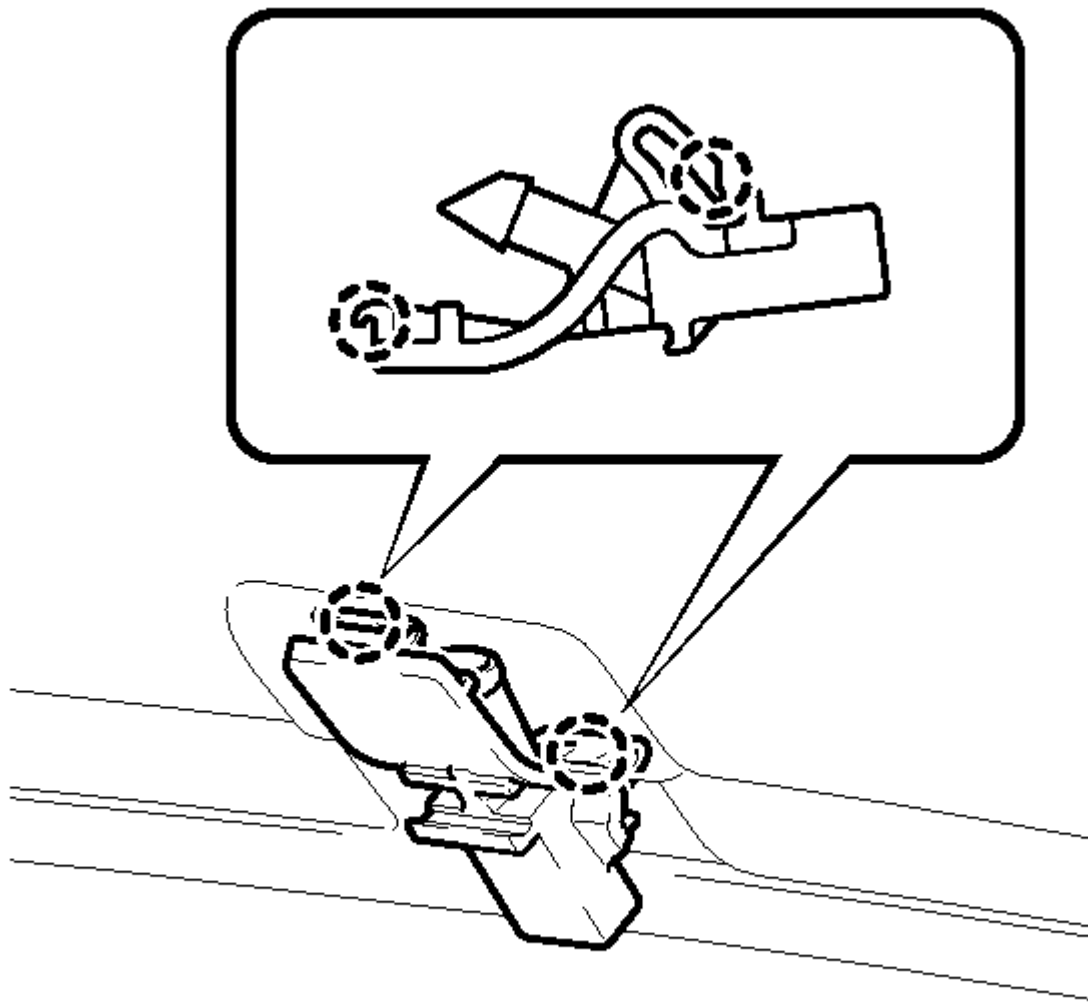
Fig. 12: Remove/Install Windshield Washer Hose & Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL WASHER NOZZLE SUB-ASSEMBLY

- a. Connect a new washer nozzle to the washer hose.

NOTE: Washer nozzles cannot be reused.

- b. Engage the 2 claws and install the washer nozzle.



P

Fig. 13: Identifying Washer Nozzle & Claws

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. **INSPECT WASHER NOZZLE SUB-ASSEMBLY** . Refer to **ON-VEHICLE INSPECTION - Step 1**
4. **ADJUST WASHER NOZZLE SUB-ASSEMBLY** . Refer to **ADJUSTMENT - Step 2**
5. **INSTALL HOOD TO RADIATOR SUPPORT SEAL**
 - a. Engage the 6 clips and install the hood to radiator support seal.

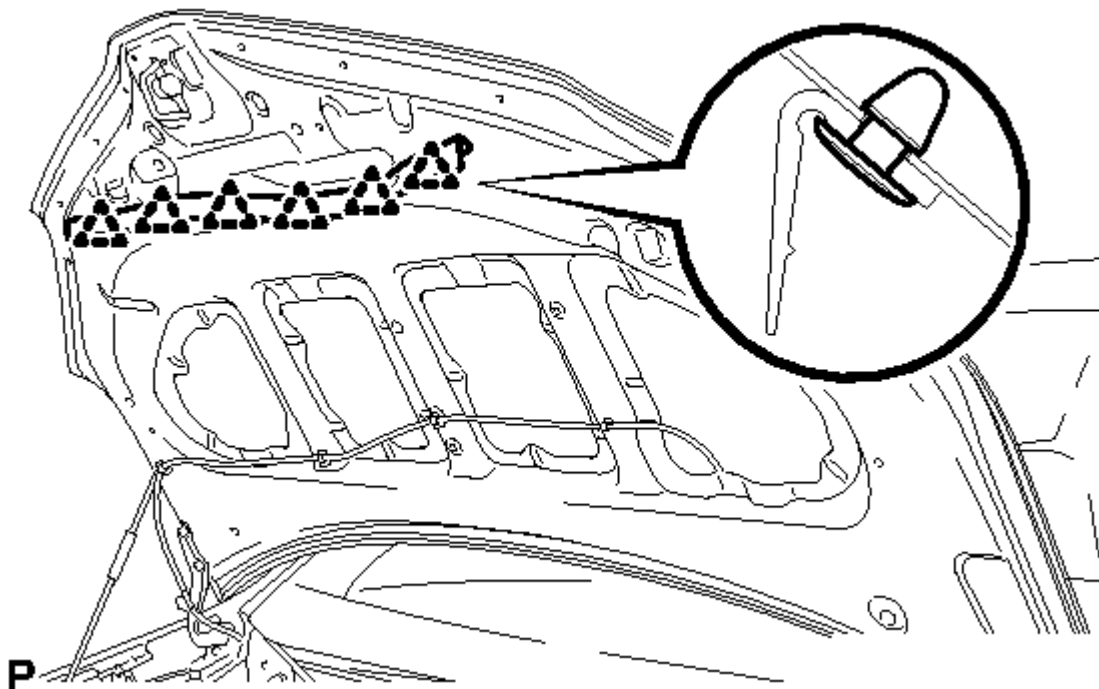


Fig. 14: Identifying Hood To Radiator Support Seal & Clips
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. INSTALL HOOD INSULATOR

- a. Engage the 2 guides and install the hood insulator.

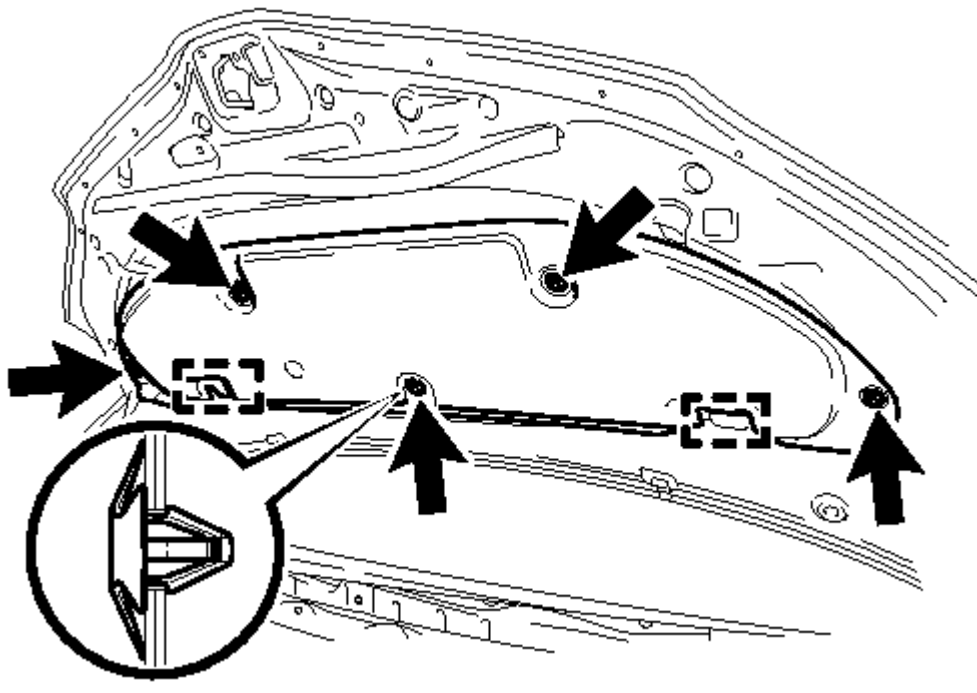


Fig. 15: Identifying Hood Insulator Clips & Guides

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Install the 5 clips.

HOOD LOCK CONTROL CABLE ASSEMBLY

COMPONENTS

ILLUSTRATION

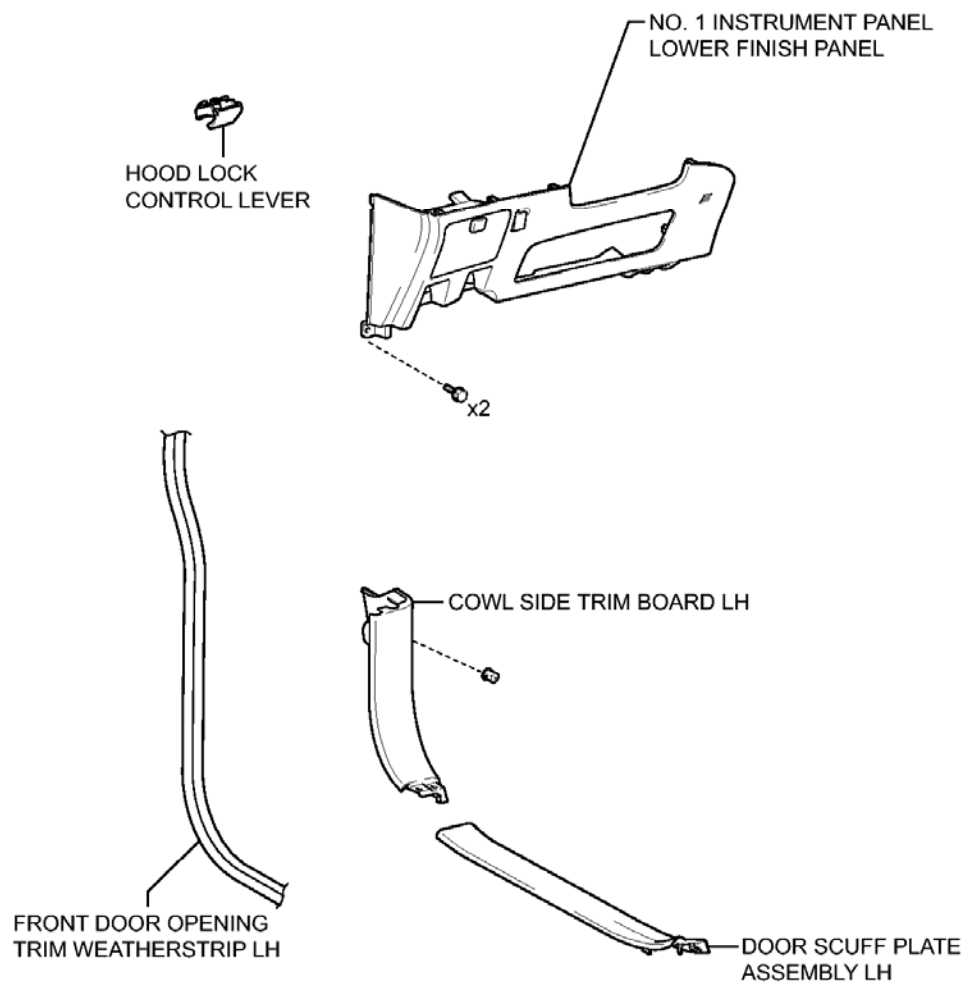
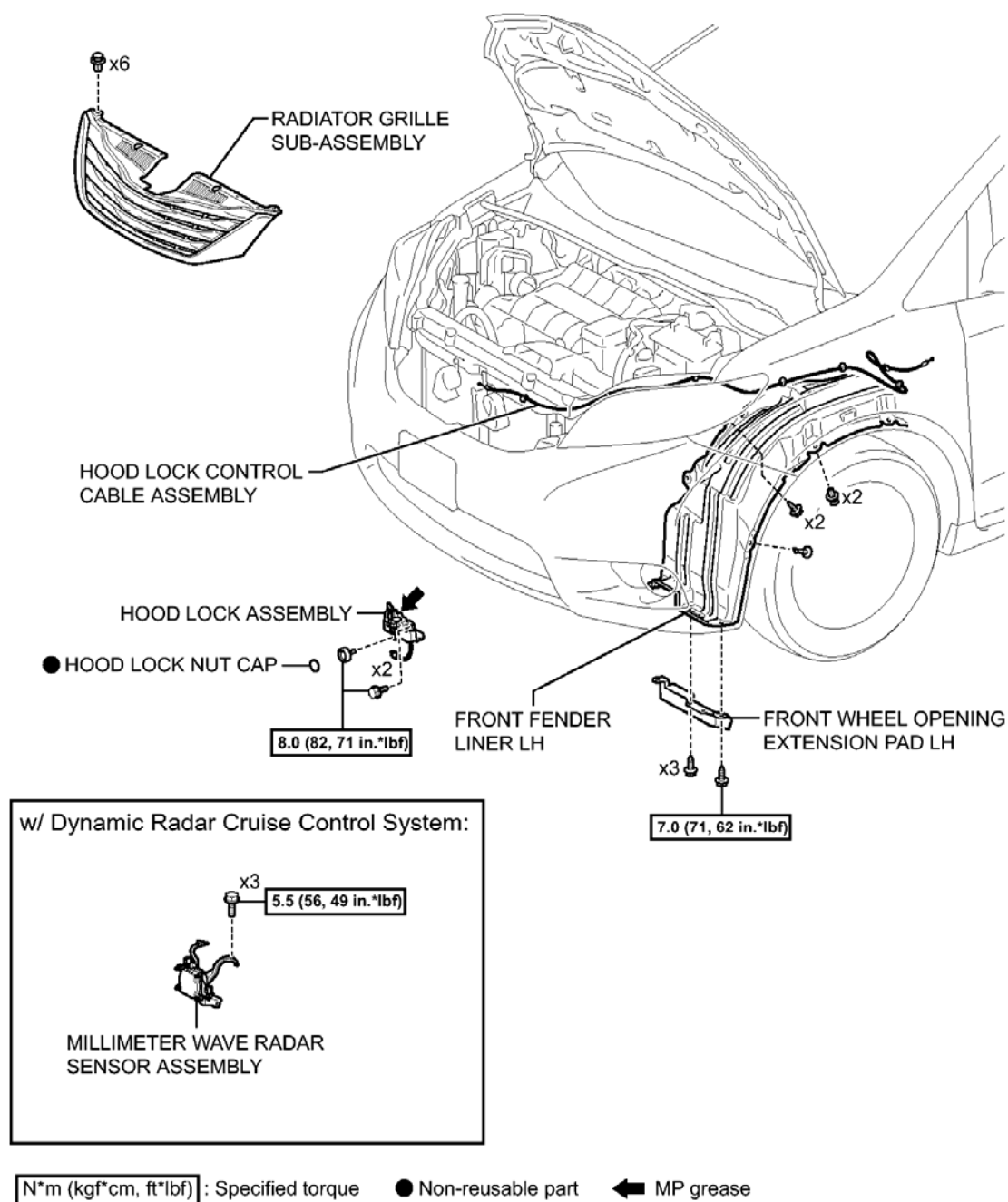


Fig. 16: Hood Lock Control Cable Assembly Replacement Components (1 of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION



P

Fig. 17: Hood Lock Control Cable Assembly Replacement Components With Torque Specifications (2 Of 2)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. REMOVE FRONT WHEEL OPENING EXTENSION PAD LH

- a. Remove the 4 screws and the front wheel opening extension pad LH.

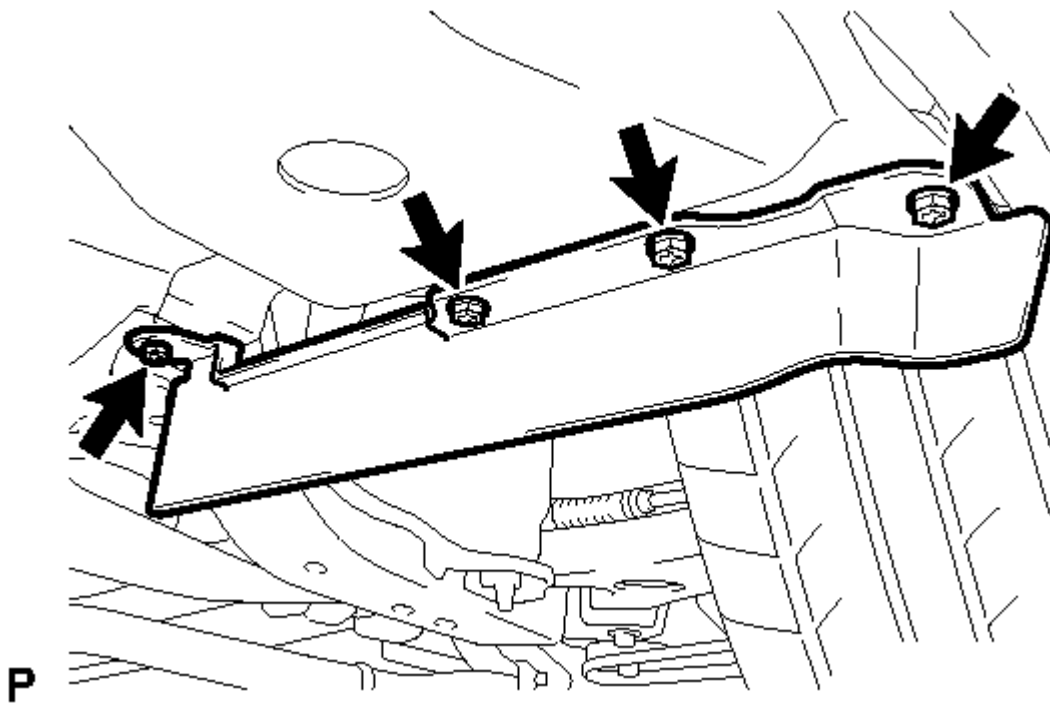
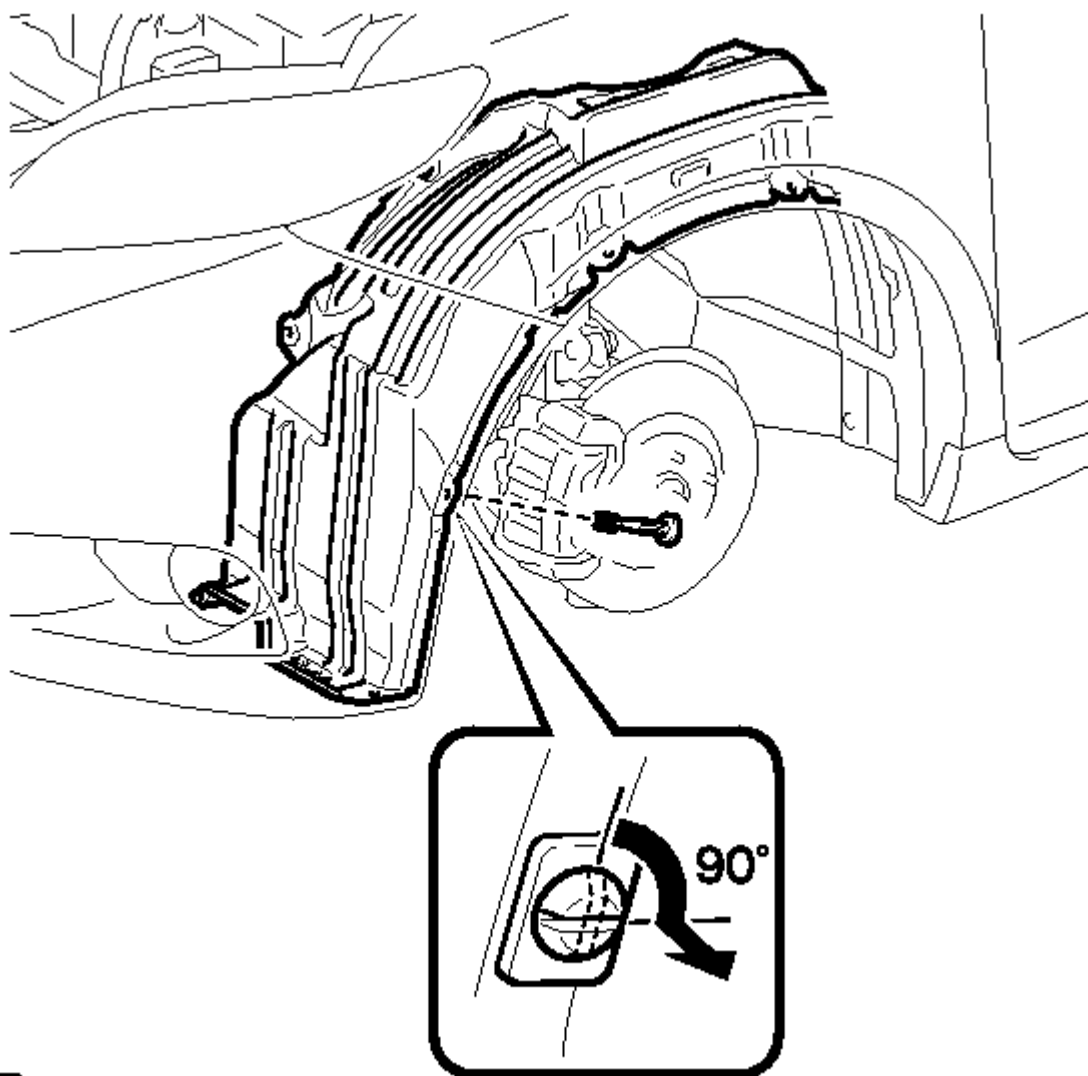


Fig. 18: Identifying Front Wheel Opening Extension Pad LH & Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. SEPARATE FRONT FENDER LINER LH

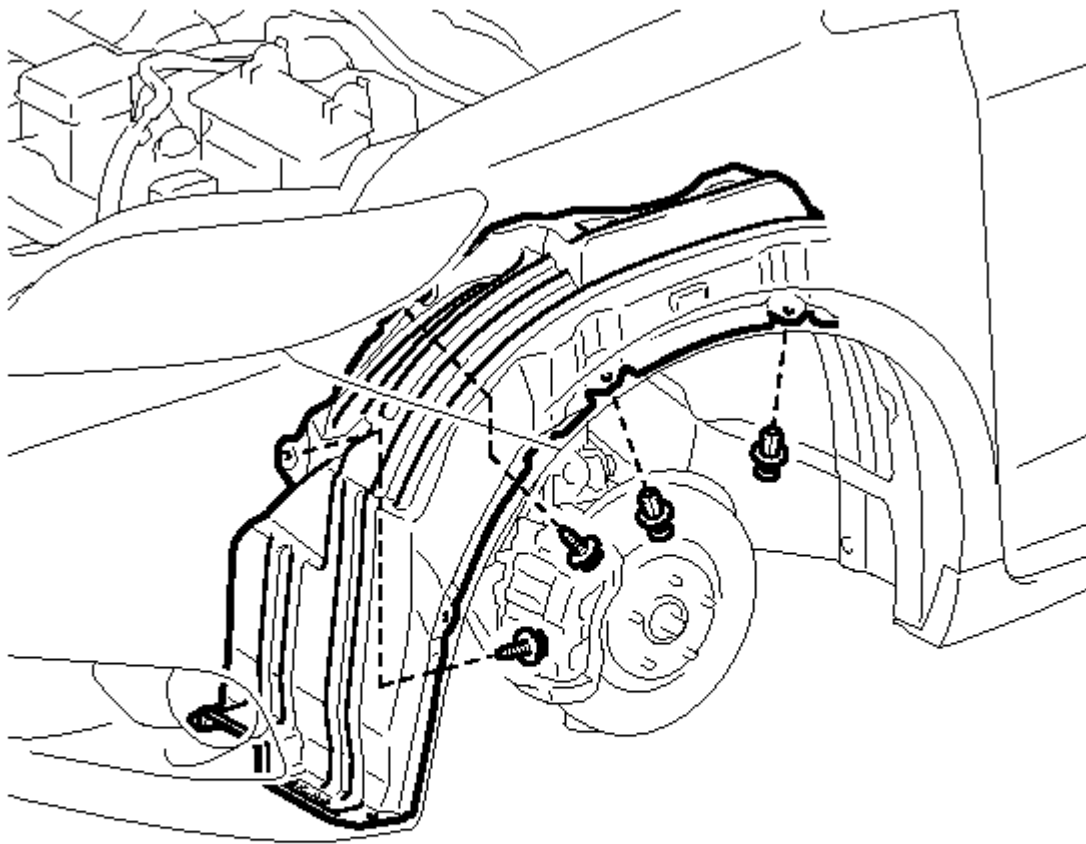
- a. Using a screwdriver, turn the pin 90 degrees and remove the pin hold clip.



P

Fig. 19: Turning Front Fender Liner LH Pin Hold Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

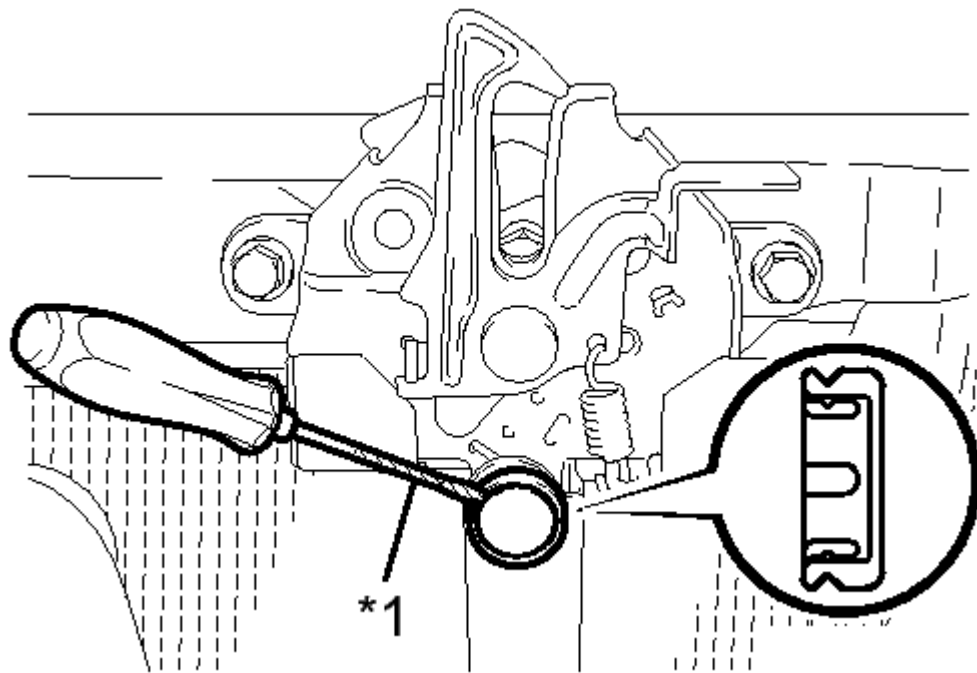
- b. Remove the 2 clips.



P

Fig. 20: Identifying Front Fender Liner LH & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Remove the 2 screws.
- 3. **REMOVE RADIATOR GRILLE SUB-ASSEMBLY** . Refer to **REMOVAL - Step 3**
- 4. **REMOVE MILLIMETER WAVE RADAR SENSOR ASSEMBLY (w/ Dynamic Radar Cruise Control System)** . Refer to **REMOVAL - Step 2**
- 5. **REMOVE HOOD LOCK NUT CAP**
 - a. Using a screwdriver with its tip wrapped in protective tape, remove the hood lock nut cap.



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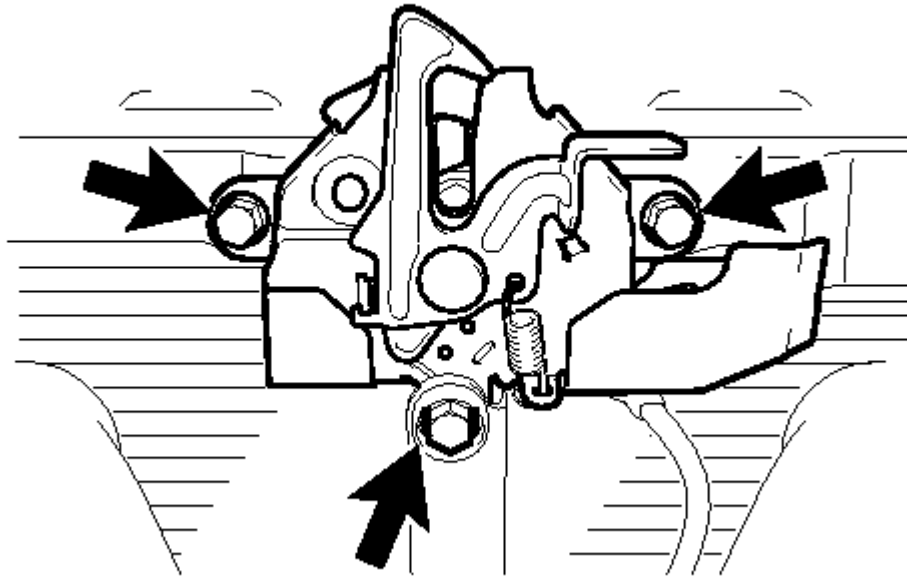
Fig. 21: Removing Hood Lock Nut Cap Using A Screwdriver
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Protective Tape
----	--------------------

6. REMOVE HOOD LOCK ASSEMBLY

- a. Disconnect the connector.



P

Fig. 22: Identifying Hood Lock Assembly & Bolts
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the 3 bolts and hood lock.
- c. Disconnect the hood lock control cable.

7. REMOVE DOOR SCUFF PLATE ASSEMBLY LH

HINT:

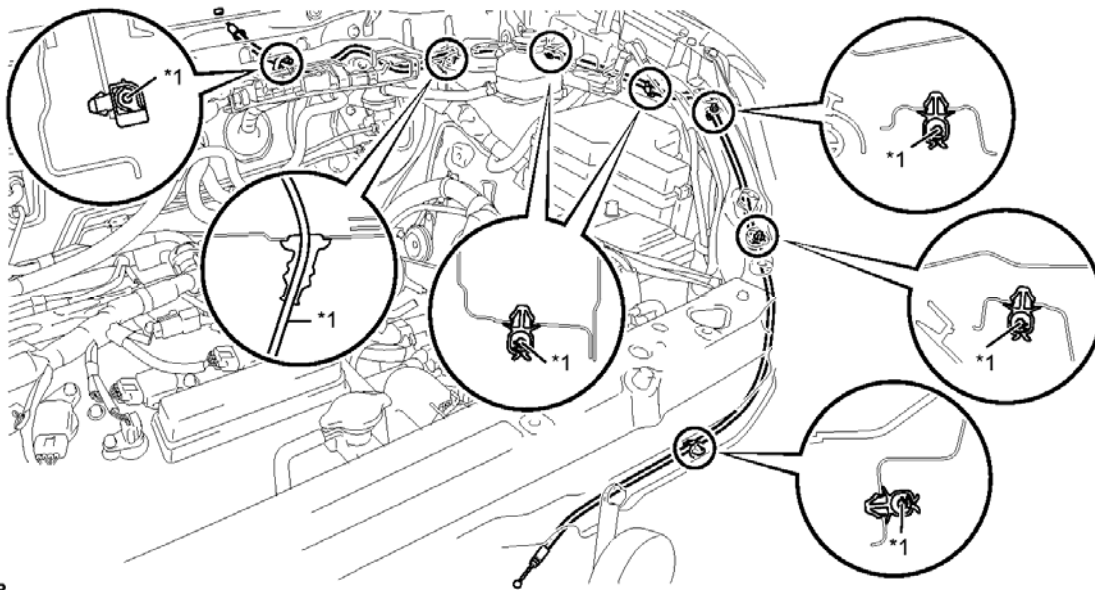
Use the same procedure as for the RH side. Refer to **REMOVAL - Step 13** .

- 8. REMOVE FRONT DOOR OPENING TRIM WEATHERSTRIP LH**
- 9. REMOVE COWL SIDE TRIM BOARD LH**

HINT:

Use the same procedure as for the RH side. Refer to **REMOVAL - Step 15** .

- 10. REMOVE NO. 1 INSTRUMENT PANEL LOWER FINISH PANEL** . Refer to **REMOVAL - Step 19**
- 11. REMOVE HOOD LOCK CONTROL CABLE ASSEMBLY**
 - a. Disconnect the hood lock control cable from hood lock control lever.
 - b. Using a screwdriver with its tip wrapped in protective tape, disconnect the clamps shown in the illustration.



P

Fig. 23: Identifying Hood Lock Control Cable Assembly & Clamps
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Hood Lock Control Cable	-
----	----------------------------------	---

- c. Pull the cable from the engine room and remove it.

INSTALLATION

INSTALLATION

1. INSTALL HOOD LOCK CONTROL CABLE ASSEMBLY

- a. Pass the hood lock control cable into the engine compartment.
- b. Pass the cable rear side through the grommet until the cable stopper is attached to the grommet.
- c. Pass the cable front side through the upper radiator support.
- d. Engage the cable to the clamps.
- e. Connect the hood lock control cable to hood lock control lever.

2. INSTALL NO. 1 INSTRUMENT PANEL LOWER FINISH PANEL . Refer to INSTALLATION - Step 39

3. INSTALL COWL SIDE TRIM BOARD LH

HINT:

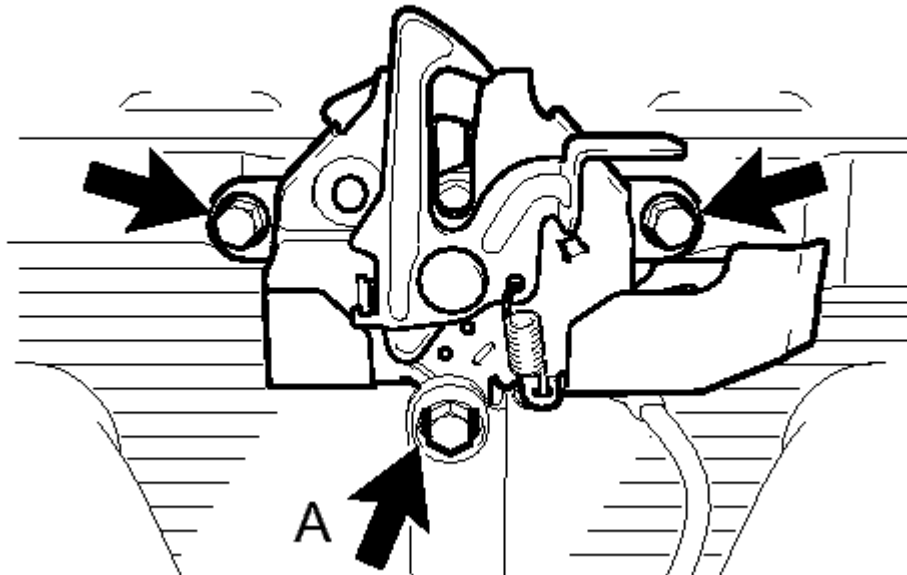
Use the same procedure as for the RH side. Refer to INSTALLATION - Step 42 .

4. **INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP LH**
5. **INSTALL DOOR SCUFF PLATE ASSEMBLY LH**

HINT:

Use the same procedure as for the RH side. Refer to **INSTALLATION - Step 44** .

6. **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 A bolts and hood lock.



P

Fig. 24: Identifying Hood Lock Assembly & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

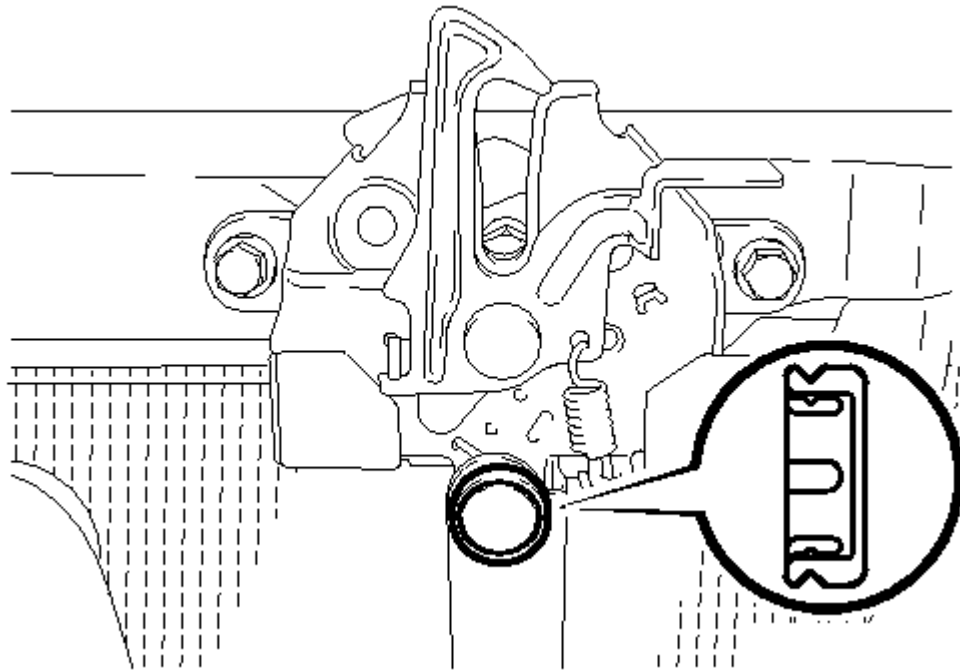
- d. Install the 2 bolts.

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

- e. Connect the connector.

7. **INSPECT HOOD LOCK ASSEMBLY** See step 1
8. **ADJUST HOOD LOCK ASSEMBLY** See step 5
9. **INSTALL HOOD LOCK NUT CAP**

- a. Install a new hood lock nut cap.

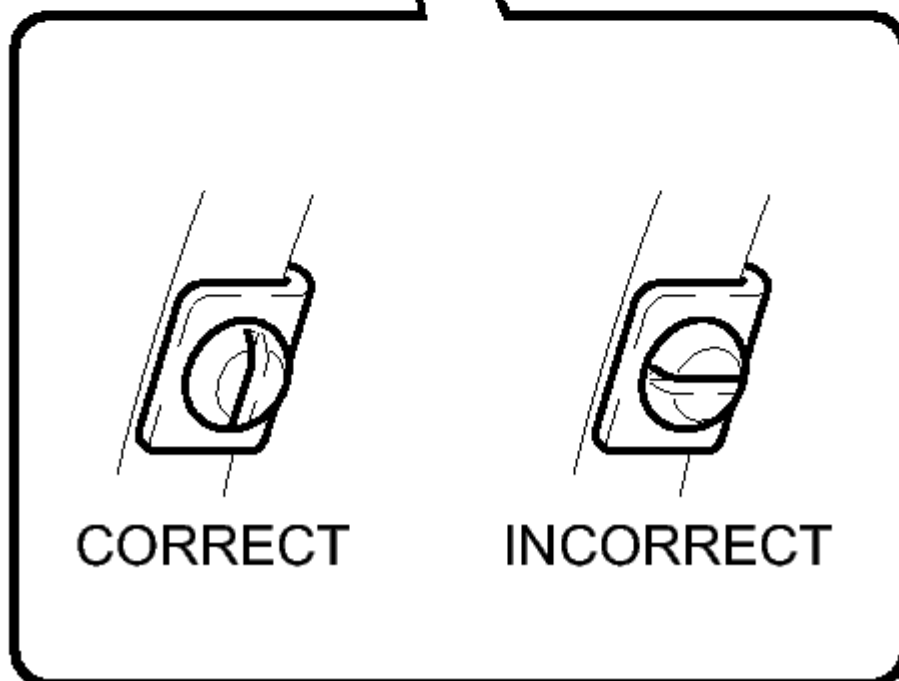
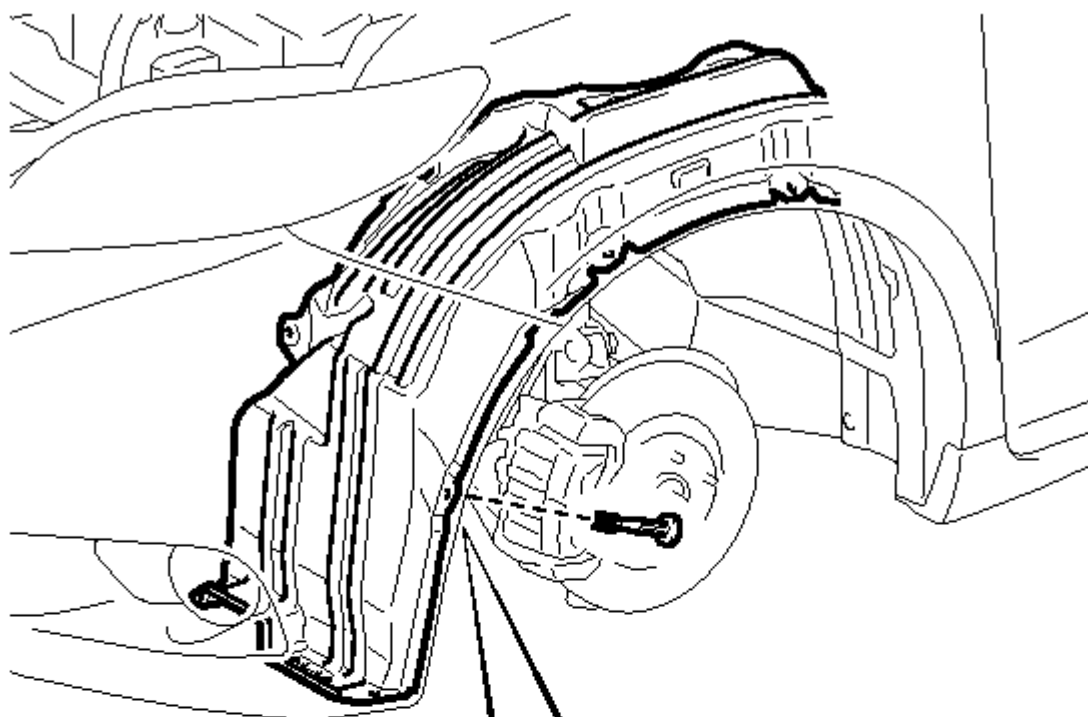


P

Fig. 25: Identifying Hood Lock Nut Cap

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

10. **INSTALL MILLIMETER WAVE RADAR SENSOR ASSEMBLY (w/ Dynamic Radar Cruise Control System)** . Refer to **INSTALLATION - Step 1**
11. **ADJUST MILLIMETER WAVE RADAR SENSOR ASSEMBLY (w/ Dynamic Radar Cruise Control System)** . Refer to **ADJUSTMENT - Step 1**
12. **INSTALL RADIATOR GRILLE SUB-ASSEMBLY** . Refer to **INSTALLATION - Step 2**
13. **INSTALL FRONT FENDER LINER LH**
 - a. Install the 2 screws.
 - b. Install the 2 clips.
 - c. Install the pin hold clip.



P

Fig. 26: Identifying Front Fender Liner LH Pin Hold Clip Installation
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Install the pin hold clip with the slot aligned vertically. Do not rotate the clip after inserting it.

After installation, confirm that the slot is vertical.

14. **INSTALL FRONT WHEEL OPENING EXTENSION PAD LH**

- a. Install the front wheel opening extension pad LH with the 4 screws.

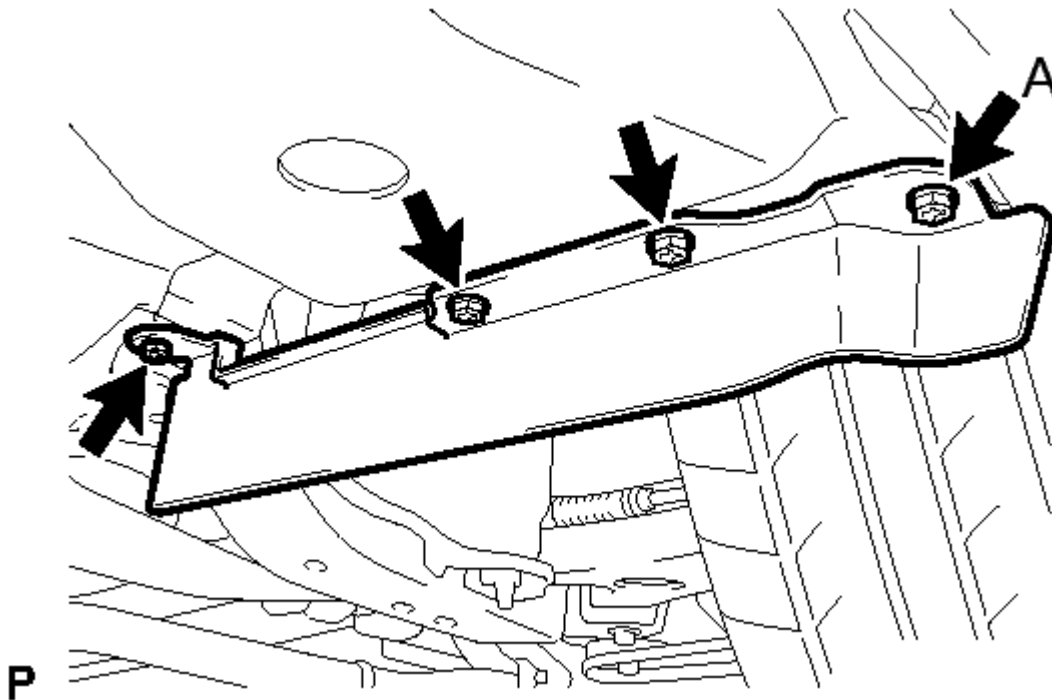


Fig. 27: Identifying Front Wheel Opening Extension Pad LH & Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 7.0 N*m (71 kgf*cm, 62 in.*lbf)

for screw A

FRONT DOOR

COMPONENTS

ILLUSTRATION

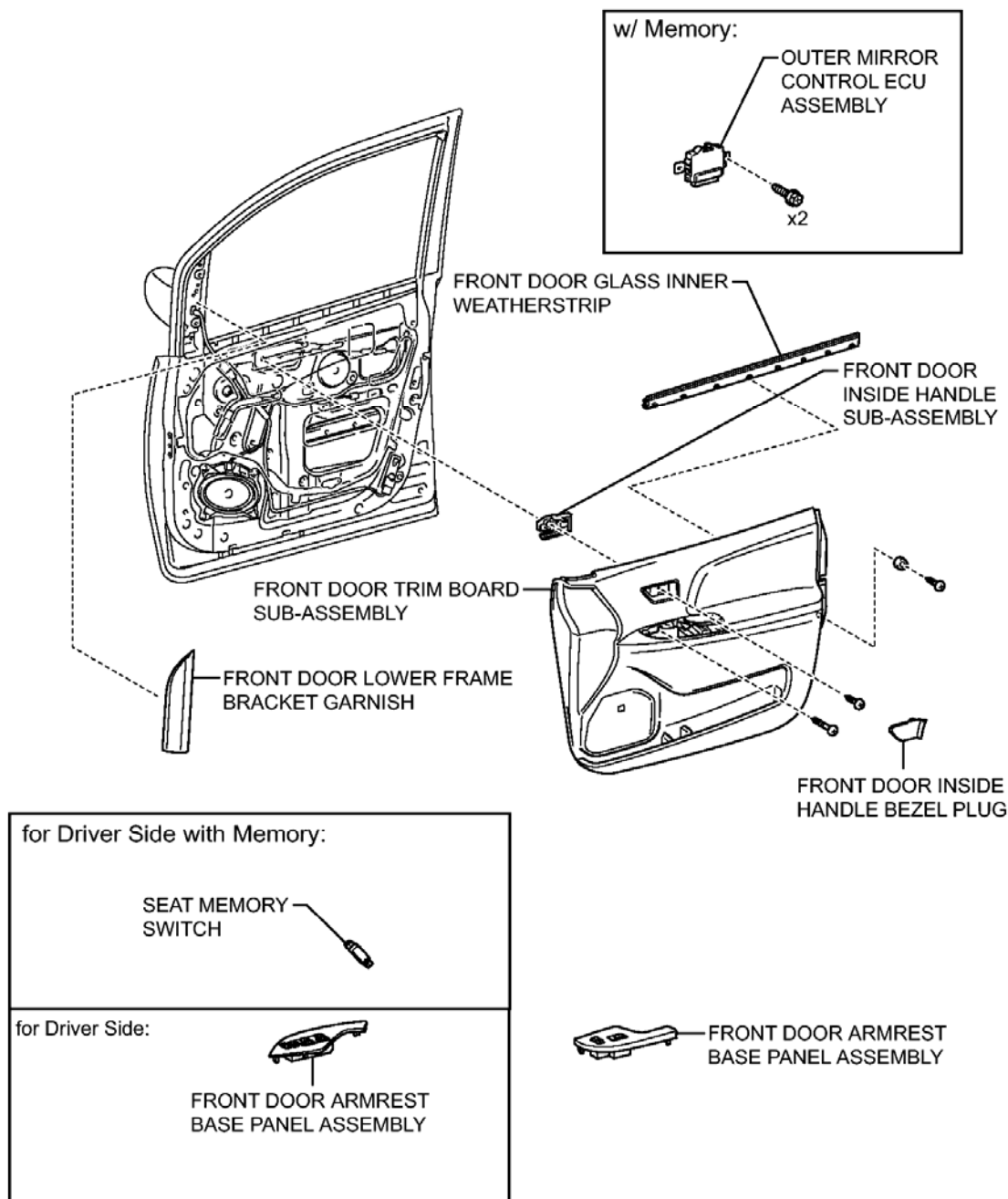
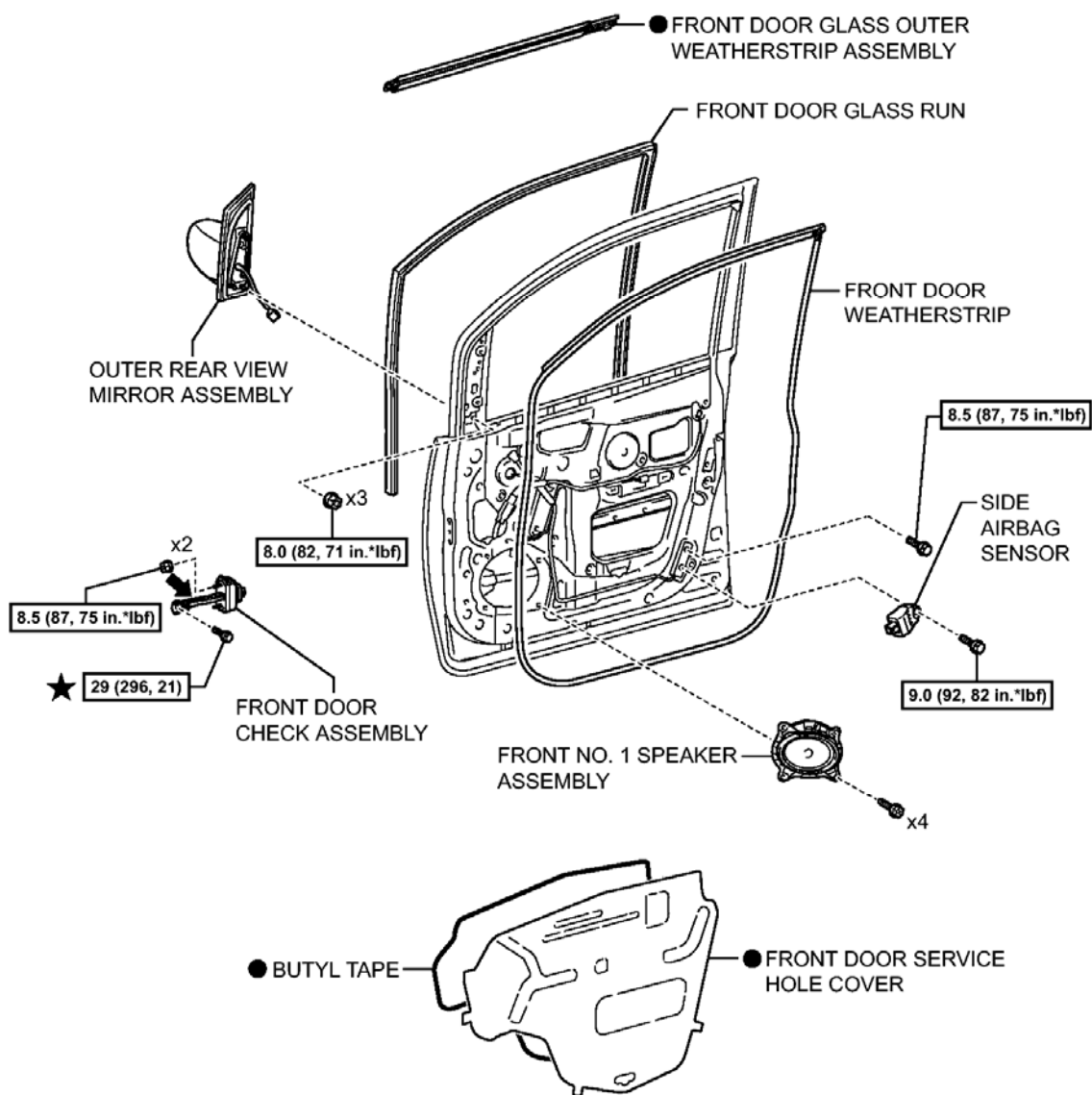


Fig. 28: Front Door Replacement Components (1 of 4)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION

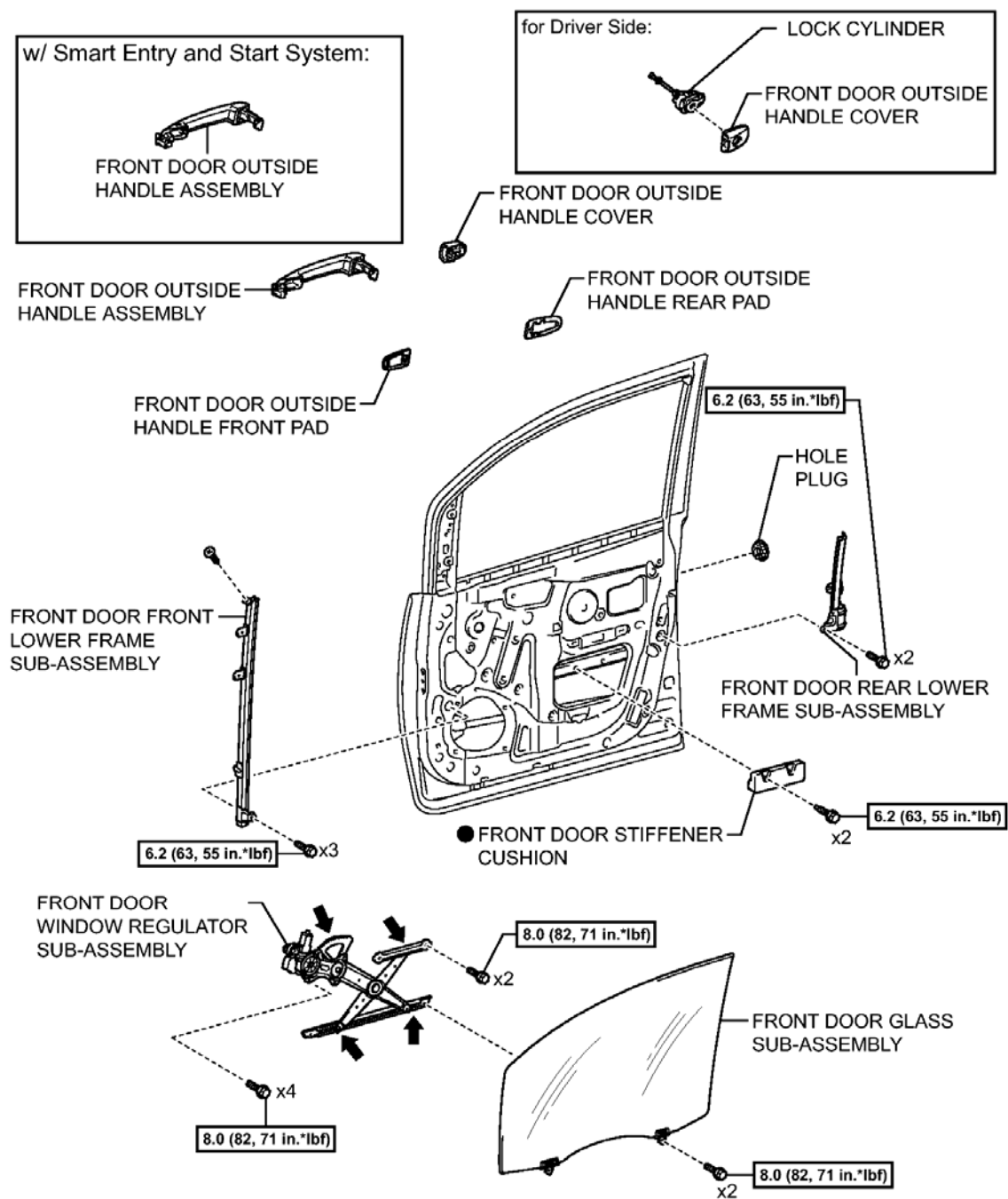


[N*m (kgf*cm, ft.*lbf)]: Specified torque

● Non-reusable part ← MP grease ★ Precoated part

Fig. 29: Front Door Replacement Components With Torque Specifications (2 Of 4)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION



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

● Non-reusable part ← MP grease

Y

Fig. 30: Front Door Replacement Components With Torque Specifications (3 Of 4)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION

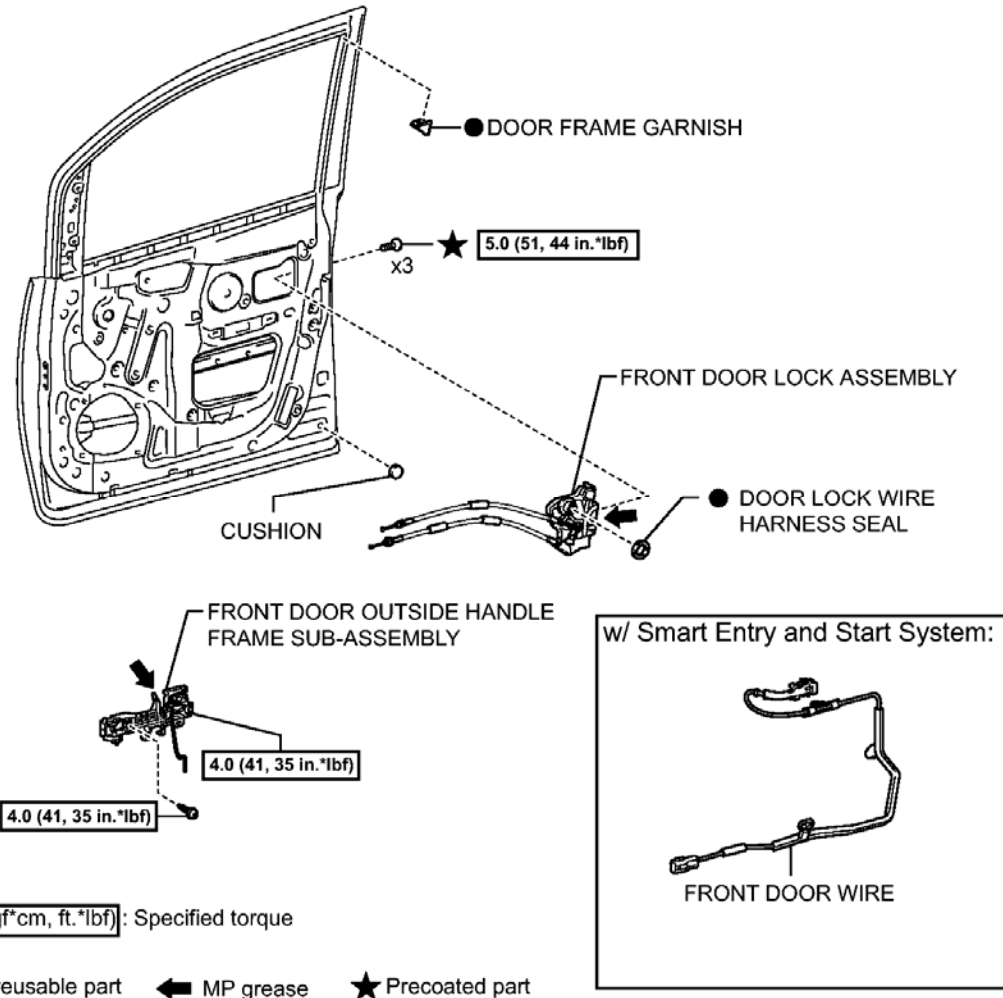


Fig. 31: Front Door Replacement Components With Torque Specifications (4 Of 4)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DISASSEMBLY

DISASSEMBLY

HINT:

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

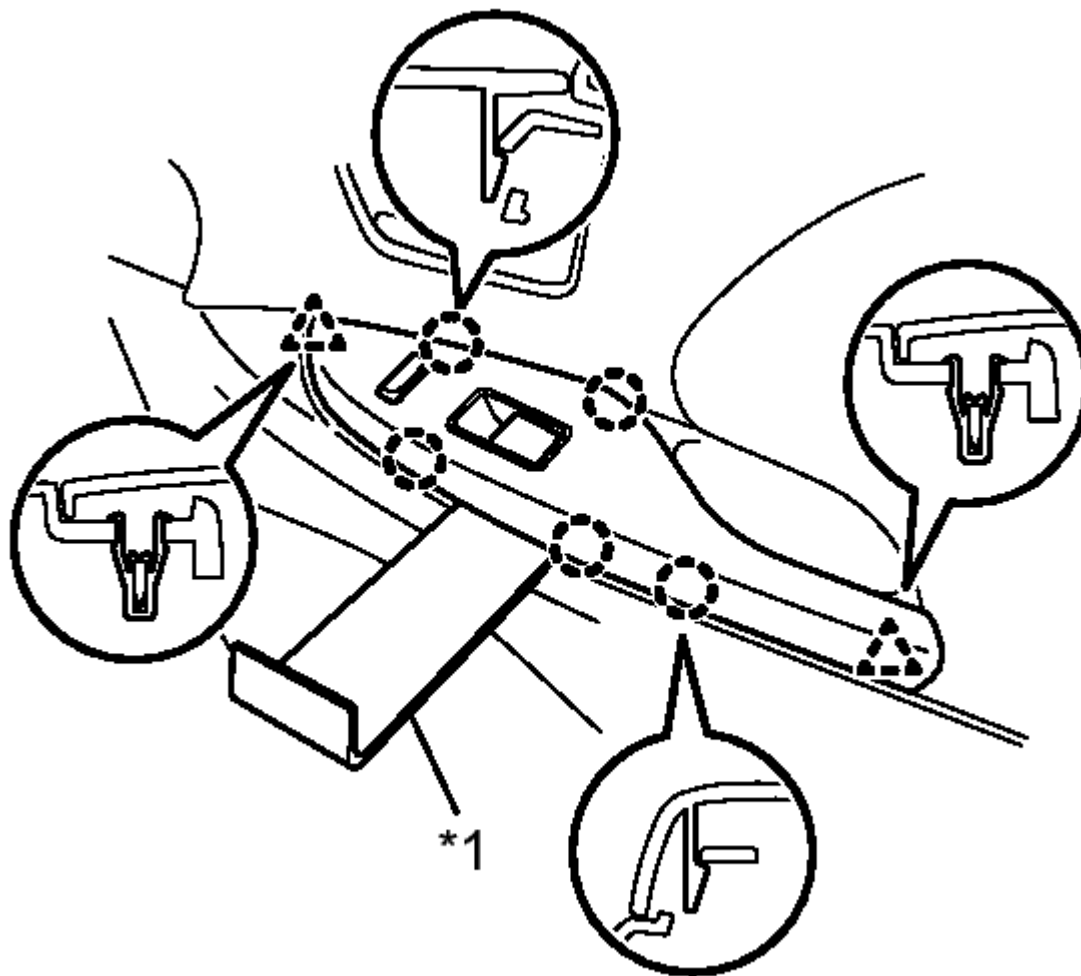
1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

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

NOTE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to INITIALIZATION .

2. REMOVE FRONT DOOR ARMREST BASE PANEL ASSEMBLY

- a. Using a moulding remover, disengage the 5 claws and 2 clips and remove the front door armrest base panel.



Y

Fig. 32: Removing Front Door Armrest Base Panel Assembly & Fasteners Using A Moulding Remover

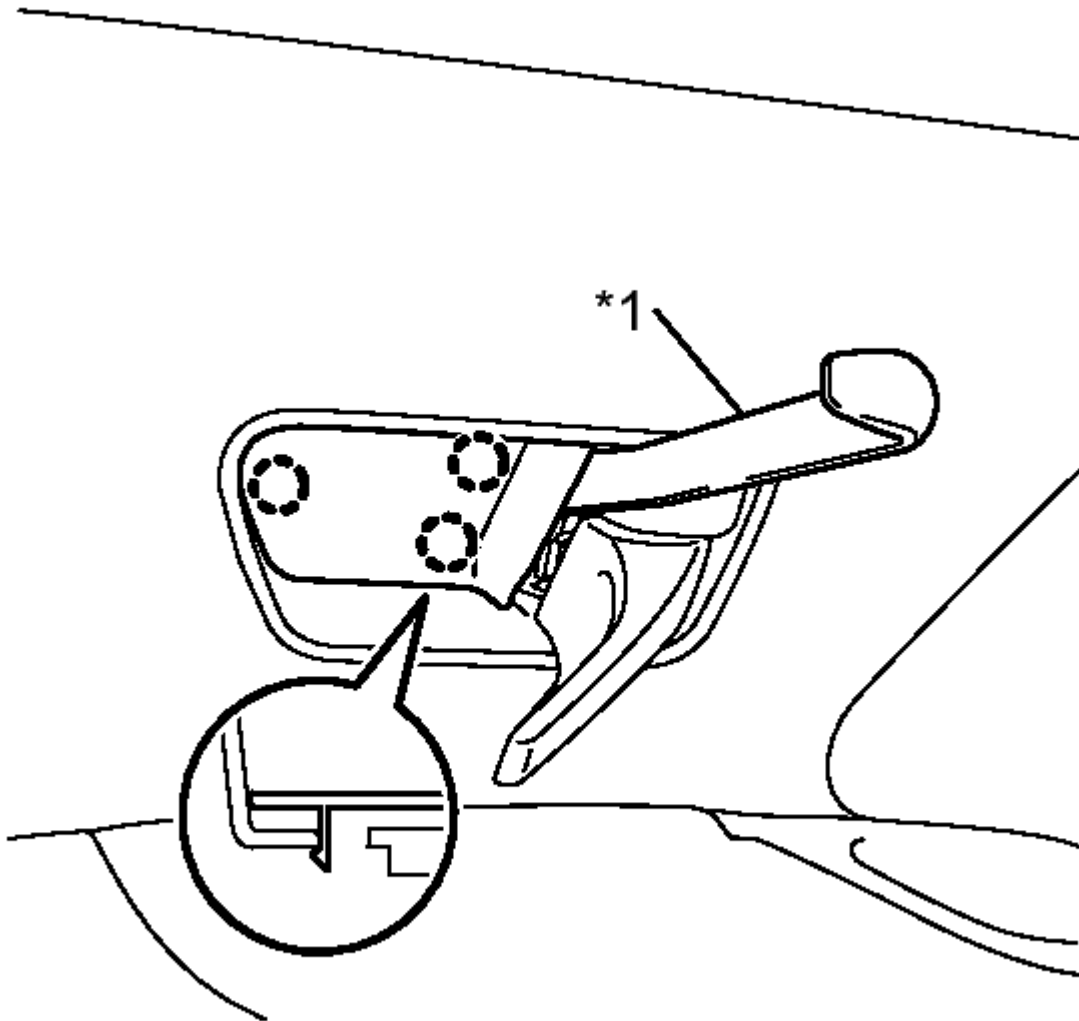
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Moulding Remover
----	---------------------

3. REMOVE FRONT DOOR INSIDE HANDLE BEZEL PLUG

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



Y

Fig. 33: Removing Front Door Inside Handle Bezel Plug & Claws Using A Moulding Remover

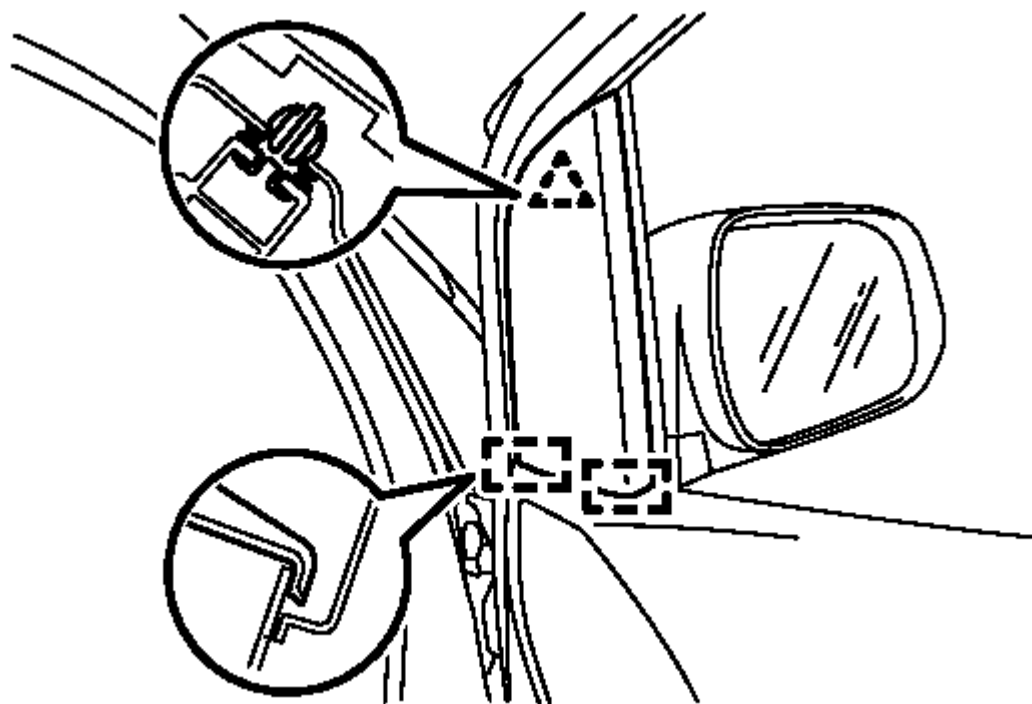
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Moulding Remover
----	---------------------

4. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH

- a. Disengage the clip and the 2 guides and remove the front door lower frame bracket garnish.

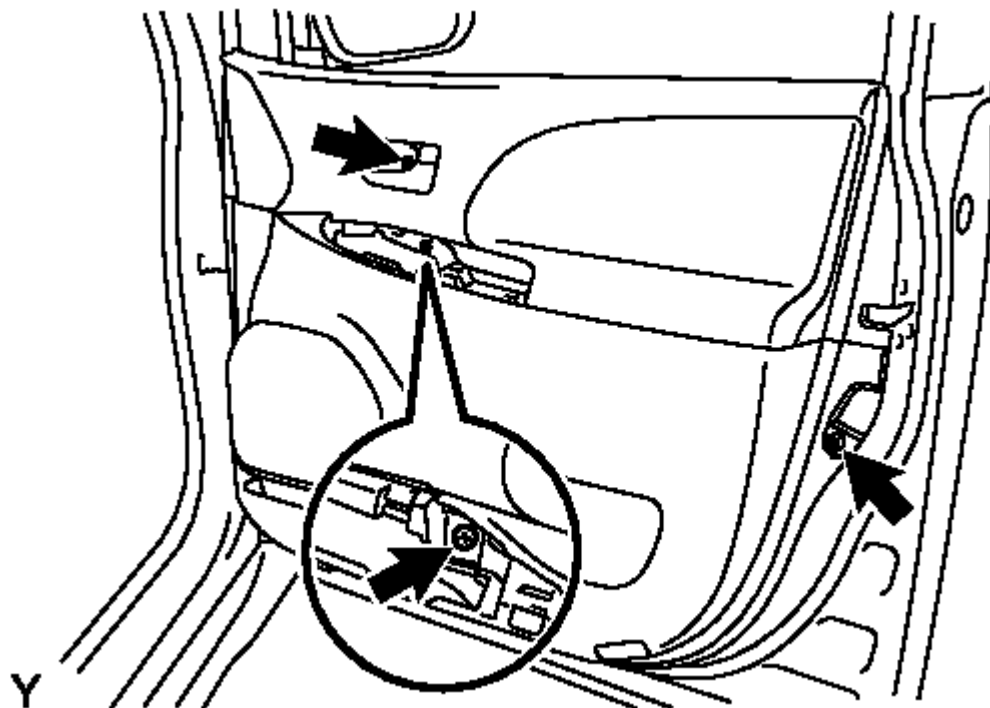


Y

Fig. 34: Identifying Front Door Lower Frame Bracket Garnish & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

5. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY

- a. Remove the 3 screws.



Y

Fig. 35: Identifying Front Door Trim Board Sub-Assembly & Screws

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disengage the 10 clips.

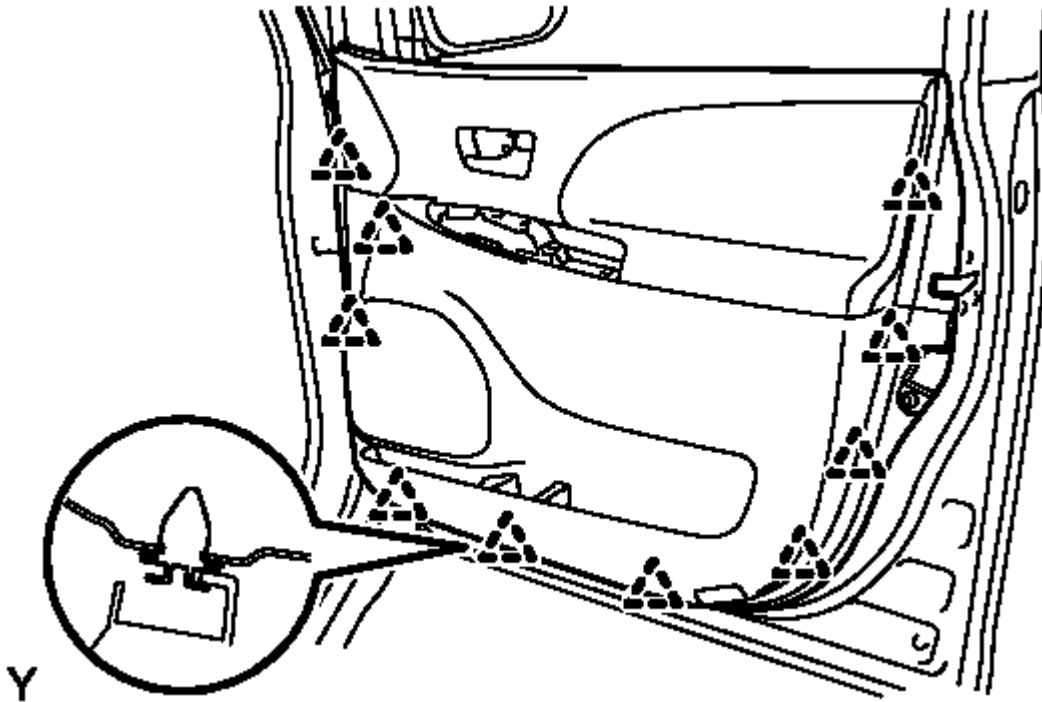


Fig. 36: Identifying Front Door Trim Board Sub-Assembly & Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Disconnect the connector.
- d. Disconnect the front door lock remote control cable and the front door inside locking cable and remove the front door trim board.

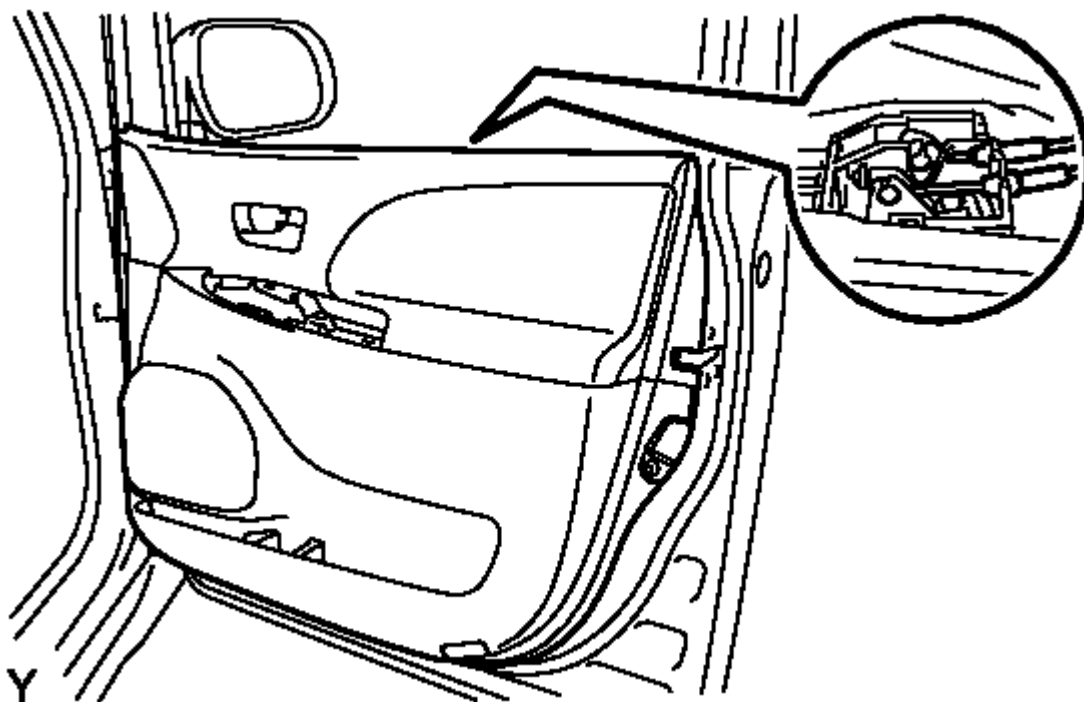


Fig. 37: Identifying Front Door Lock Remote Control Cable & Front Door Inside Locking Cable

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. REMOVE FRONT DOOR INSIDE HANDLE SUB-ASSEMBLY

- a. Disengage the 2 claws and remove the front door inside handle.

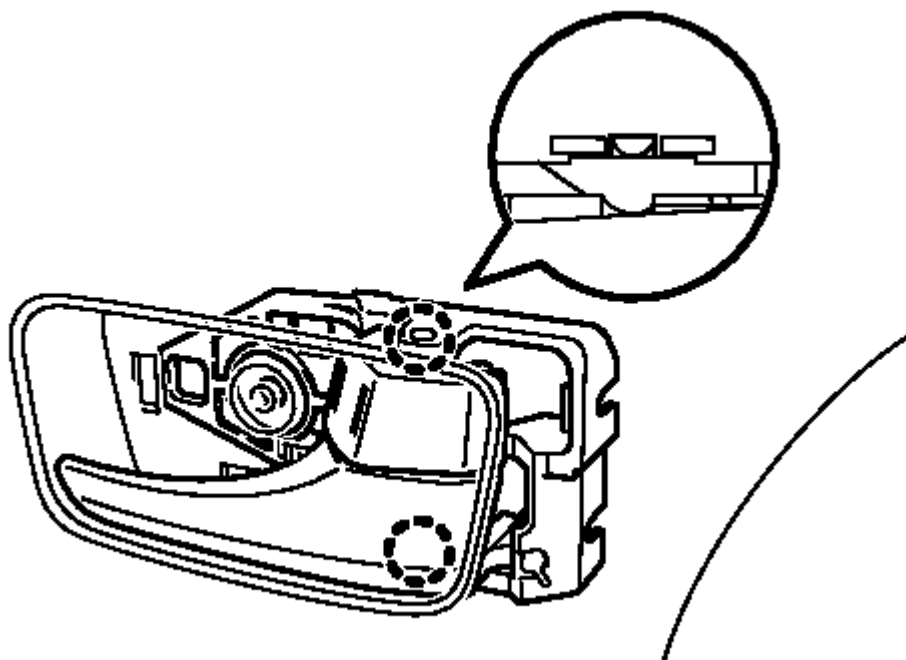


Fig. 38: Identifying Front Door Inside Handle Sub-Assembly & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

7. REMOVE FRONT DOOR GLASS INNER WEATHERSTRIP

- a. Raise the 8 claws of the front door glass inner weatherstrip and then remove the front door glass inner weatherstrip from the front door trim board, as shown in the illustration.

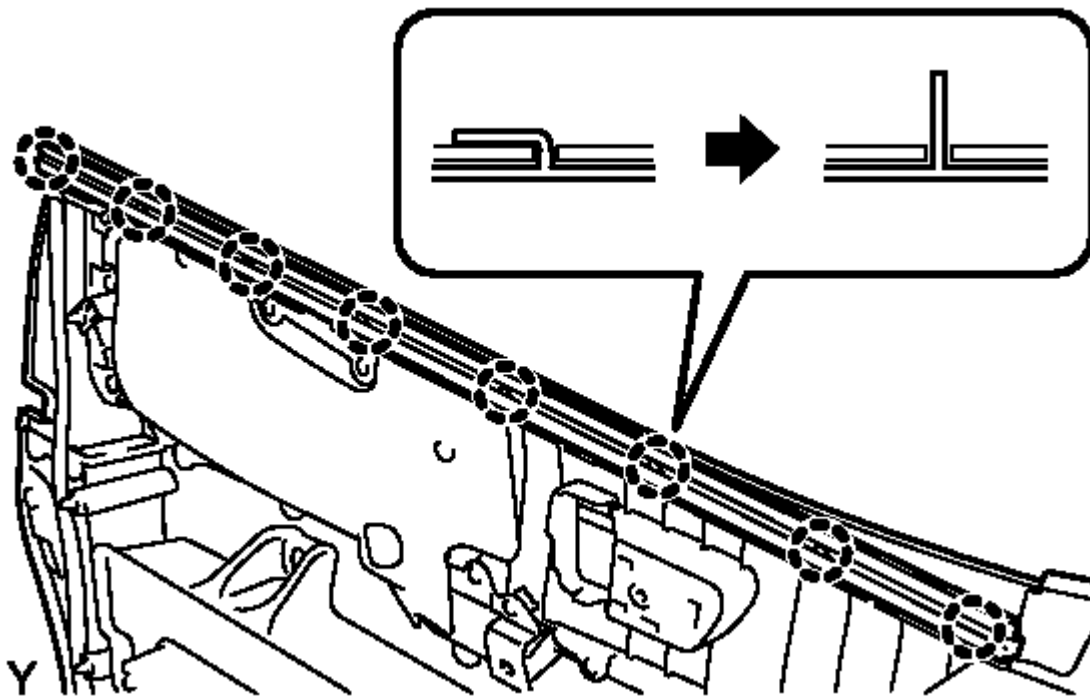


Fig. 39: Identifying Front Door Glass Inner Weatherstrip & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. REMOVE SEAT MEMORY SWITCH (for Driver Side with Memory)

HINT:

Use the same procedure as for the LH side. Refer to **REMOVAL - Step 5** .

9. **REMOVE OUTER MIRROR CONTROL ECU ASSEMBLY (w/ Memory)** . Refer to **REMOVAL - Step 5**
10. **REMOVE FRONT NO. 1 SPEAKER ASSEMBLY** . Refer to **REMOVAL - Step 5**
11. **REMOVE SIDE AIRBAG SENSOR** . Refer to **REMOVAL - Step 6**
12. **REMOVE FRONT DOOR SERVICE HOLE COVER**
 - a. Remove the bolt and disconnect the ground wire.
 - b. Disconnect the connectors and disengage the clamps.
 - c. Remove the front door service hole cover.

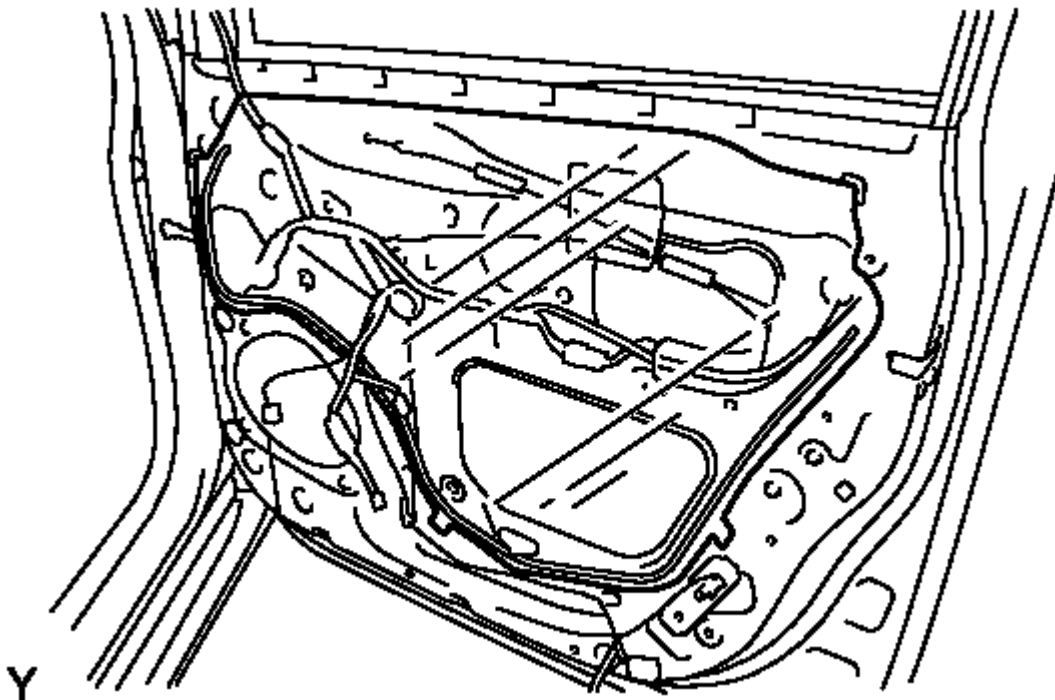


Fig. 40: Identifying Front Door Service Hole Cover
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

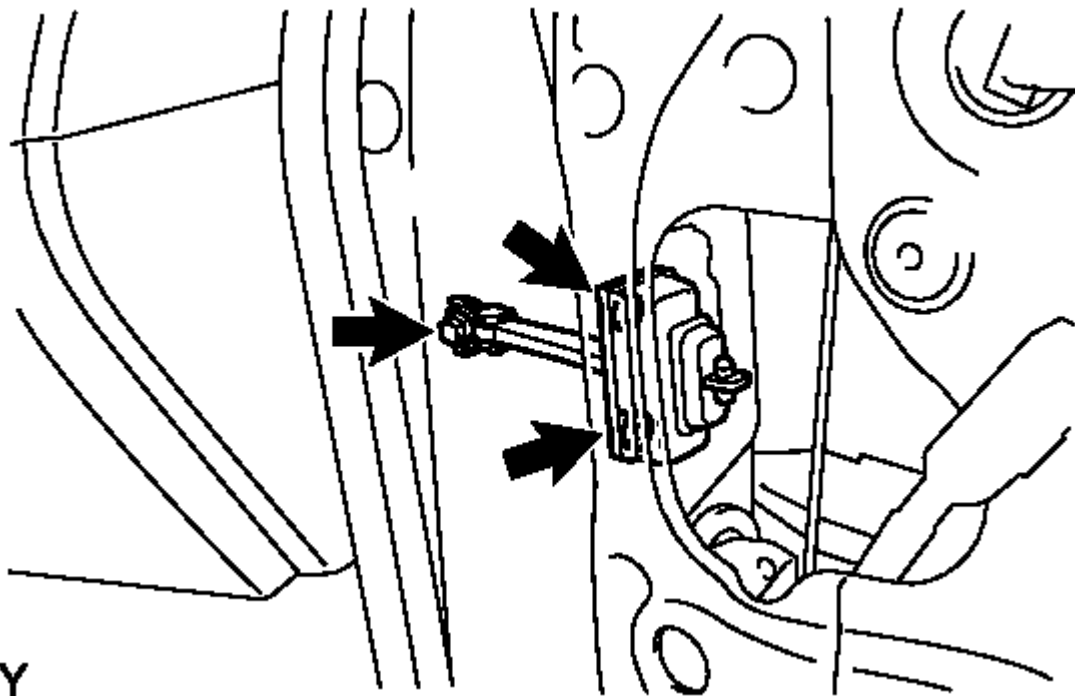
NOTE: Remove any tape remaining on the door side.

13. **REMOVE OUTER REAR VIEW MIRROR ASSEMBLY** . Refer to **REMOVAL - Step 6**
14. **REMOVE FRONT DOOR GLASS OUTER WEATHERSTRIP ASSEMBLY**

HINT:

Use the same procedure as for the LH side. Refer to **REMOVAL - Step 2** .

15. **REMOVE FRONT DOOR CHECK ASSEMBLY**
 - a. Remove the 2 nuts and bolt, and then remove the front door check.



Y

Fig. 41: Identifying Front Door Check Assembly & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

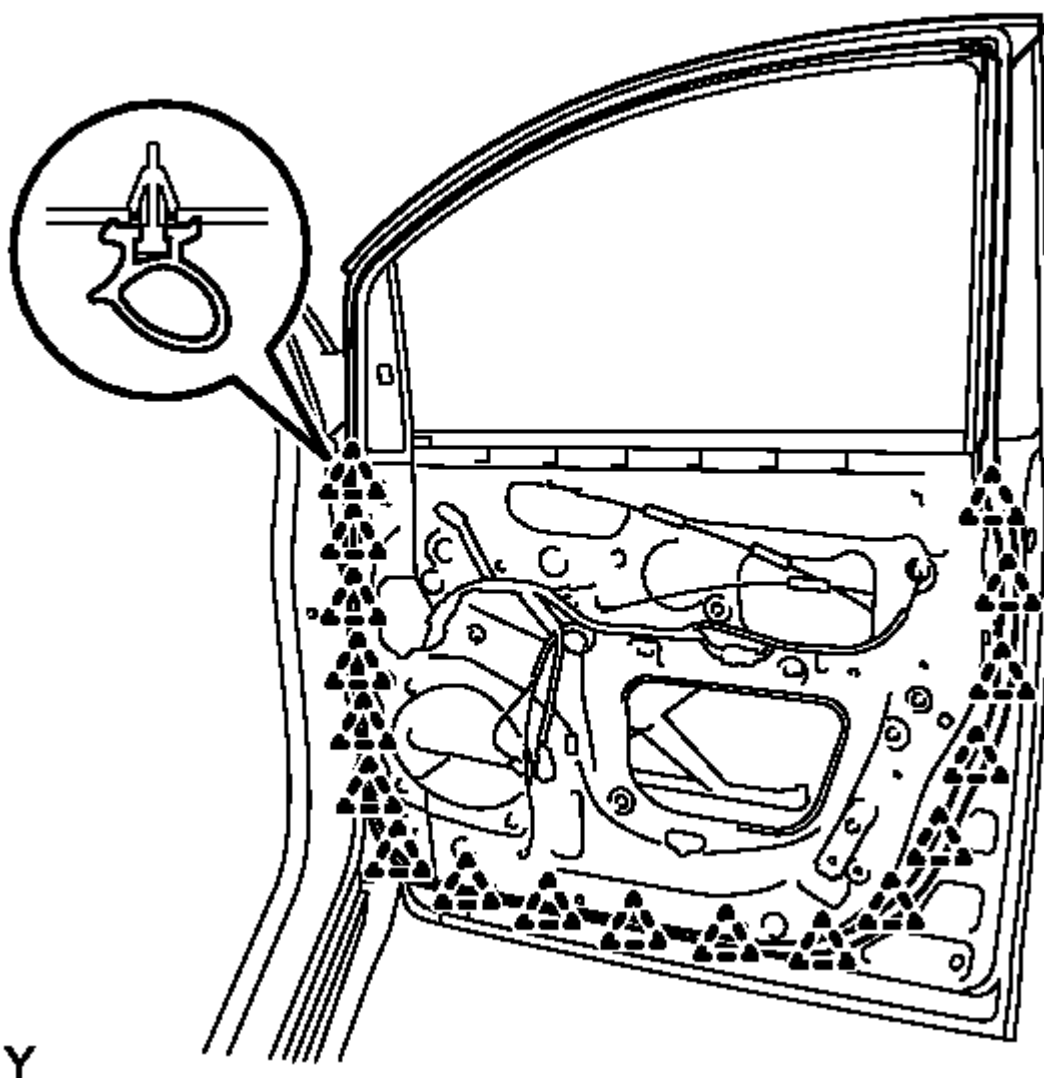
NOTE: Do not drop or damage the front door check when removing the nuts and bolt.

HINT:

Remove the front door check through the service hole.

16. REMOVE FRONT DOOR WEATHERSTRIP

- a. Disengage the 18 clips and remove the front door weatherstrip.



Y

Fig. 42: Identifying Front Door Weatherstrip & Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

17. REMOVE FRONT DOOR GLASS RUN

- a. Remove the front door glass run.

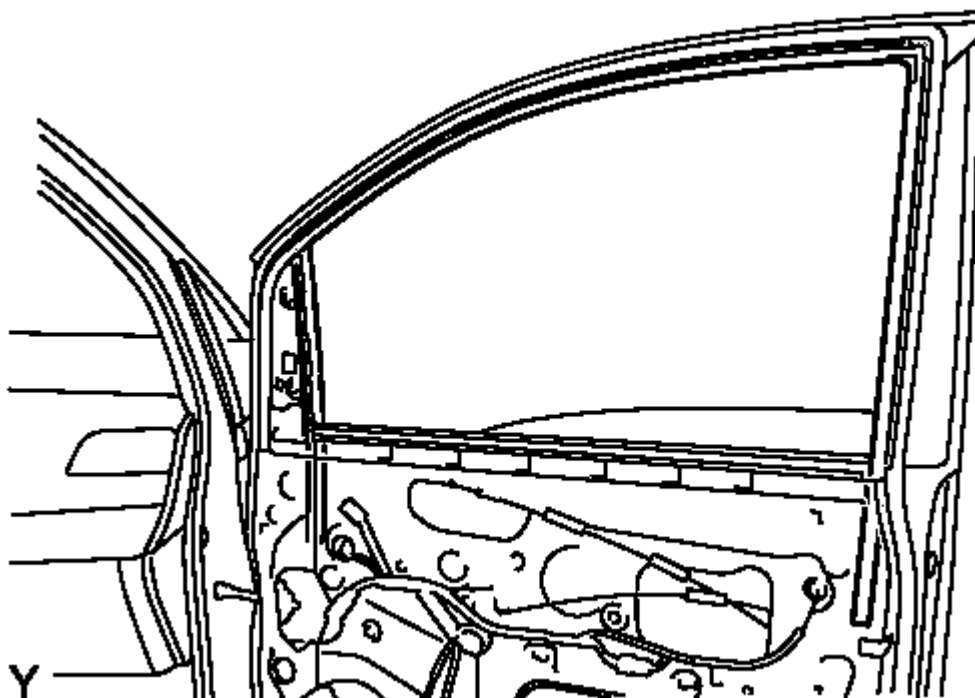


Fig. 43: Identifying Front Door Glass Run
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

18. **REMOVE FRONT DOOR FRONT LOWER FRAME SUB-ASSEMBLY**
 - a. Remove the service hole cover.

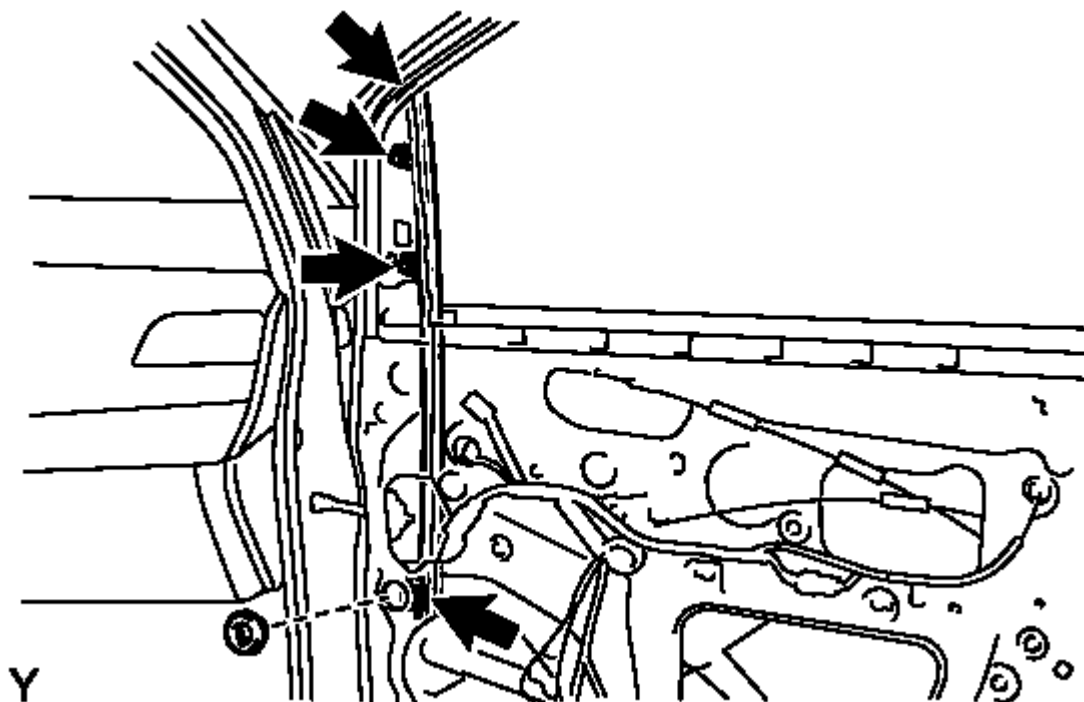


Fig. 44: Identifying Front Door Front Lower Frame Sub-Assembly & Fasteners

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the 3 bolts and screw and remove the front door front lower frame.

19. **REMOVE FRONT DOOR GLASS SUB-ASSEMBLY**

- a. Provisionally install the power window switch.

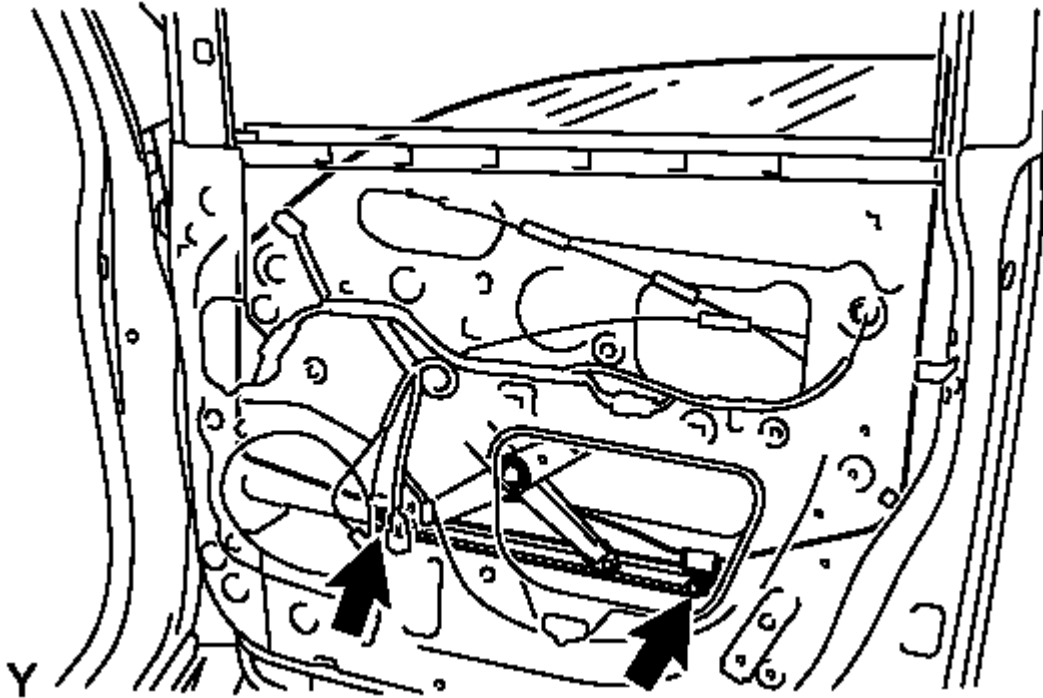


Fig. 45: Identifying Front Door Glass Sub-Assembly & Bolts

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Move the front door glass until the 2 bolts can be seen through the service holes.
- c. Remove the 2 bolts.

NOTE: Do not drop or damage the front door glass when removing the bolts.

- d. Remove the front door glass in the direction indicated by the arrows in the illustration.

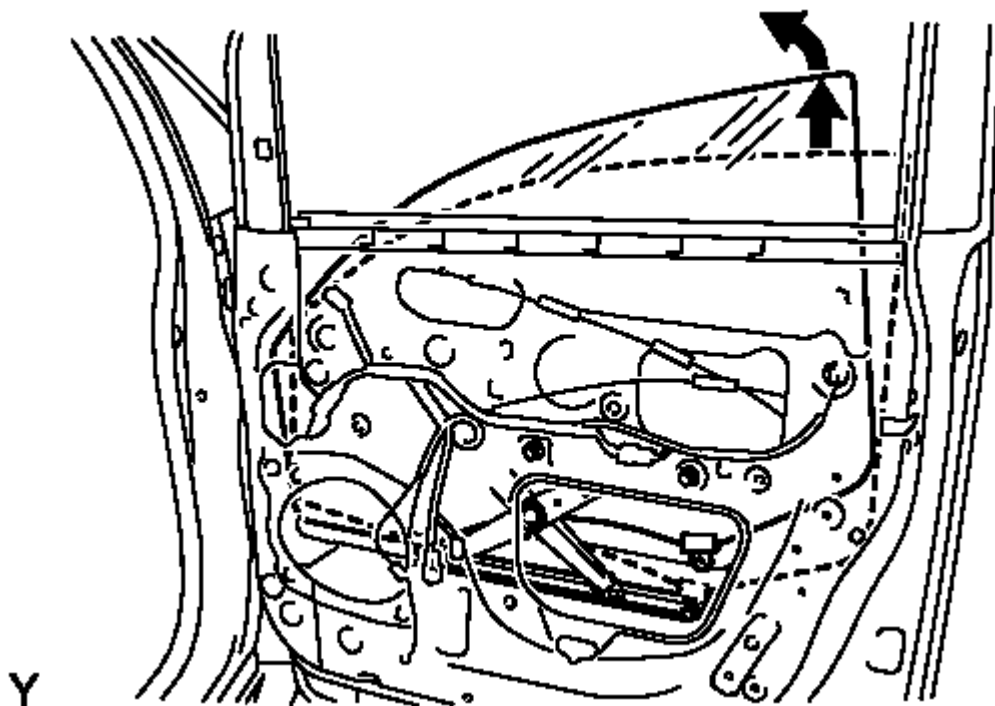


Fig. 46: Removing Front Door Glass Sub-Assembly
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Do not damage the front door glass.

- e. Remove the power window switch.
- 20. **REMOVE FRONT DOOR REAR LOWER FRAME SUB-ASSEMBLY**
 - a. Remove the 2 bolts and front door rear lower frame.

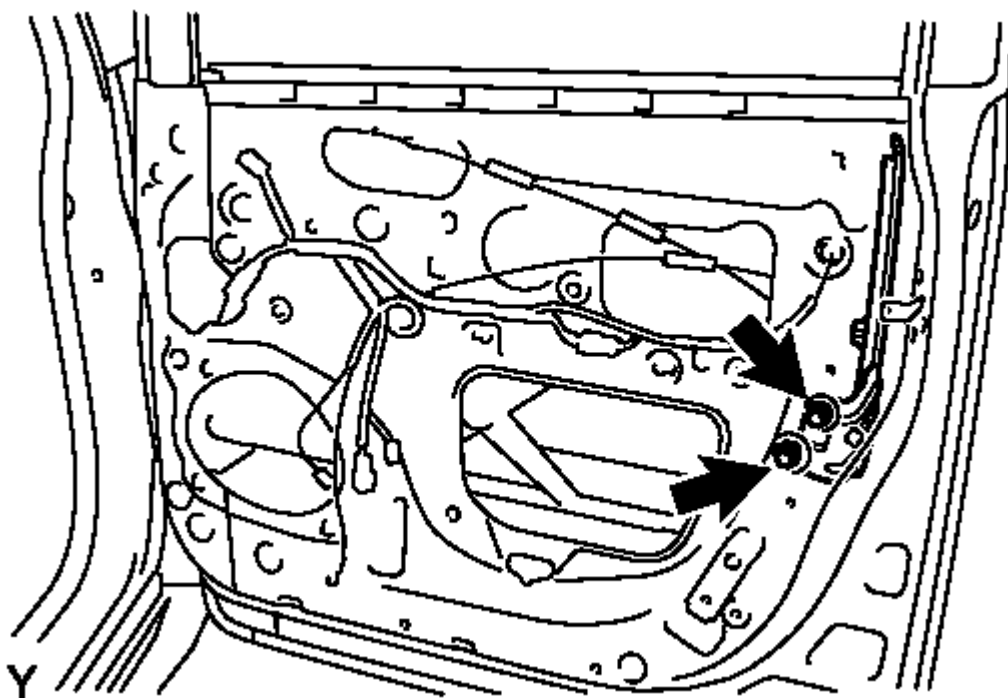


Fig. 47: Identifying Front Door Rear Lower Frame Sub-Assembly & Bolts
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

21. REMOVE FRONT DOOR WINDOW REGULATOR SUB-ASSEMBLY

- a. Disconnect the connector.

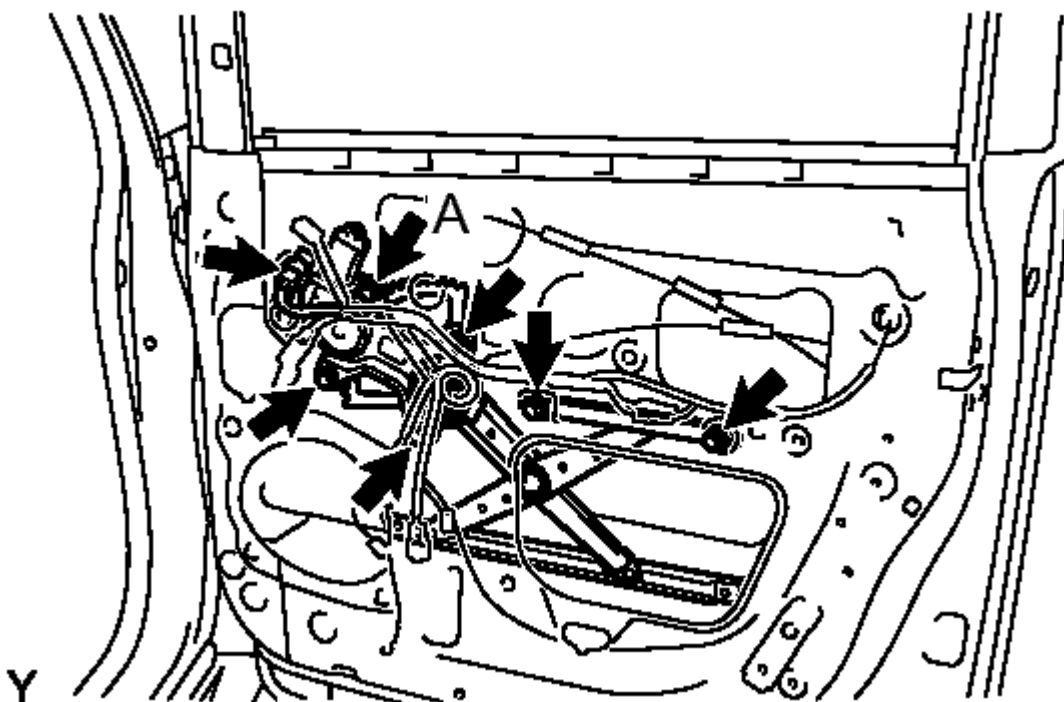


Fig. 48: Identifying Front Door Window Regulator Sub-Assembly, Connector & Bolts

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Loosen bolt A.
- c. Remove the 5 bolts, and then remove the front door window regulator.

NOTE: Do not drop or damage the front door window regulator when removing the bolts.

HINT:

Remove the front door window regulator through the service hole.

22. REMOVE FRONT DOOR STIFFENER CUSHION

- a. Remove the 2 bolts and peel off the double-sided tape, and remove the front door stiffener cushion.

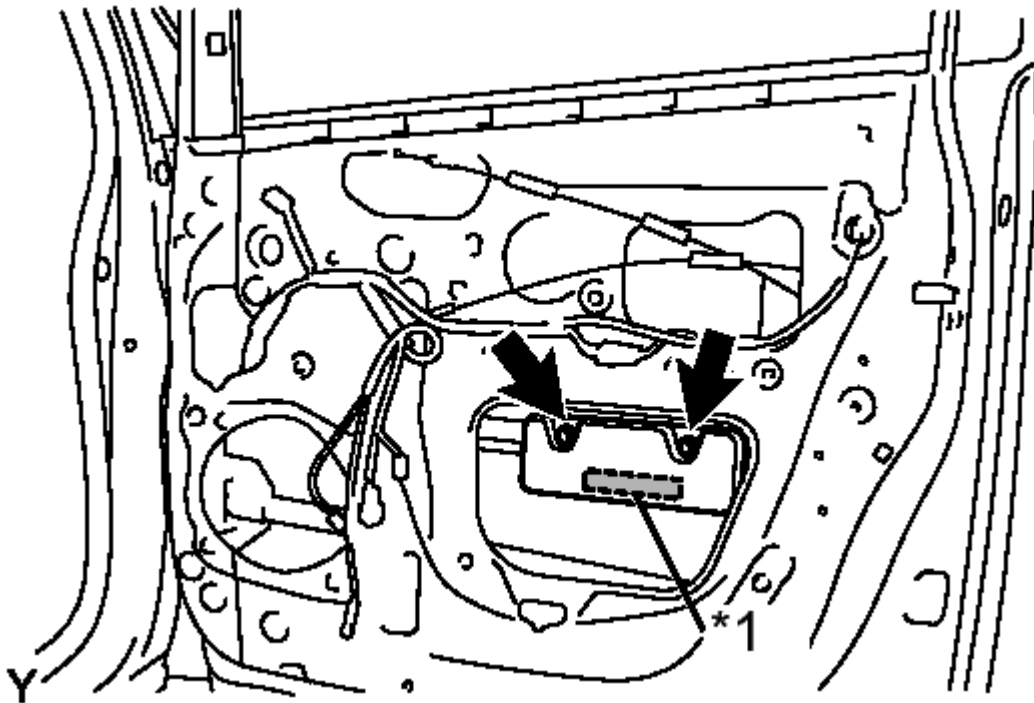


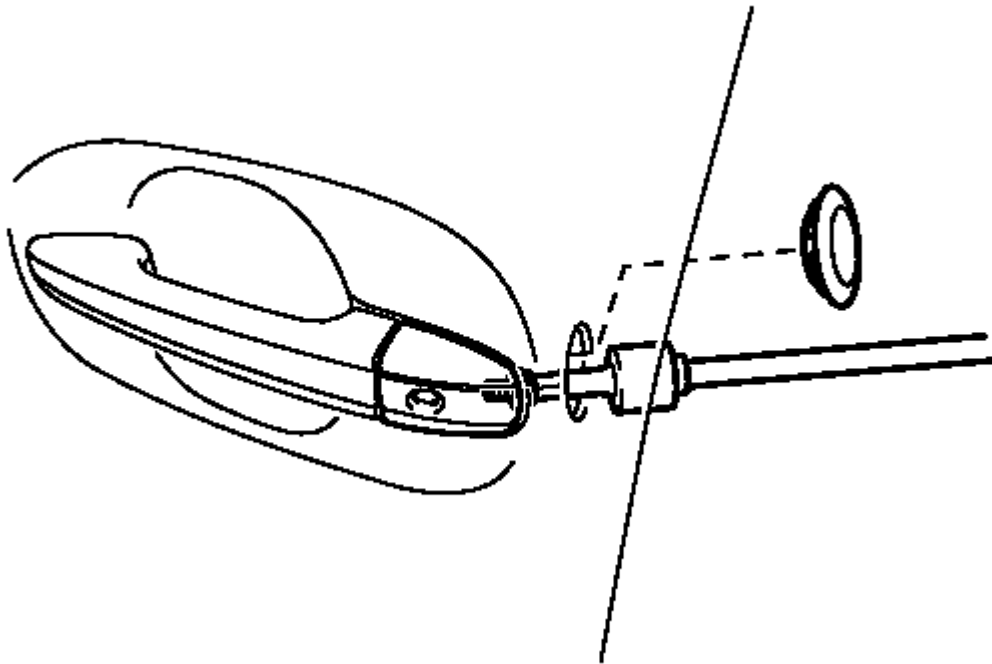
Fig. 49: Identifying Front Door Stiffener Cushion, Double-Sided Tape & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Double- sided Tape
----	--------------------------

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

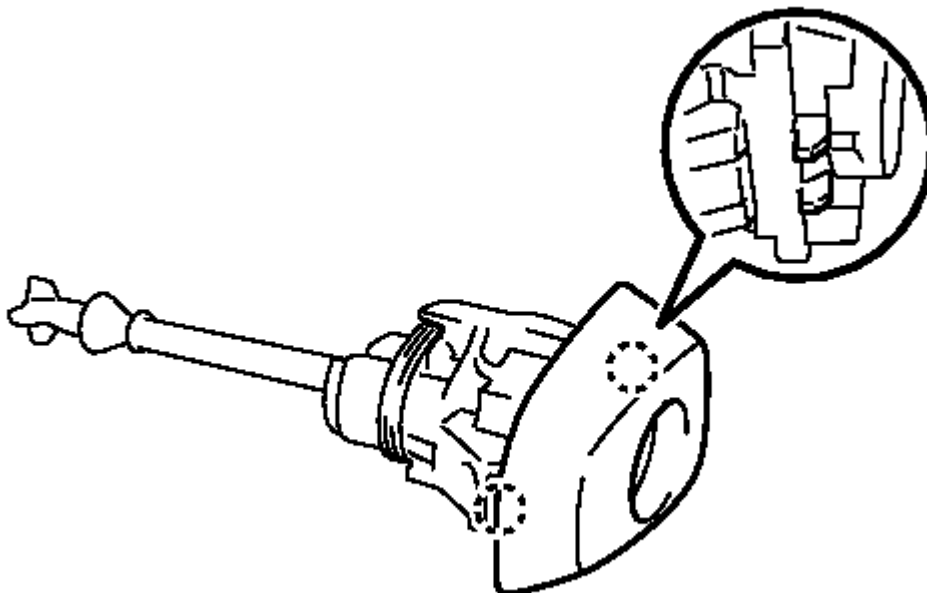
- a. Remove the hole plug.



Y

Fig. 50: Identifying Front Door Outside Handle Cover & Hole Plug (For Driver Side)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Using a T30 "TORX" socket wrench, loosen the screw and remove the cover.
- c. Disengage the 2 claws and remove the lock cylinder.



Y

Fig. 51: Identifying Claws And Lock Cylinder

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

- a. Remove the hole plug.

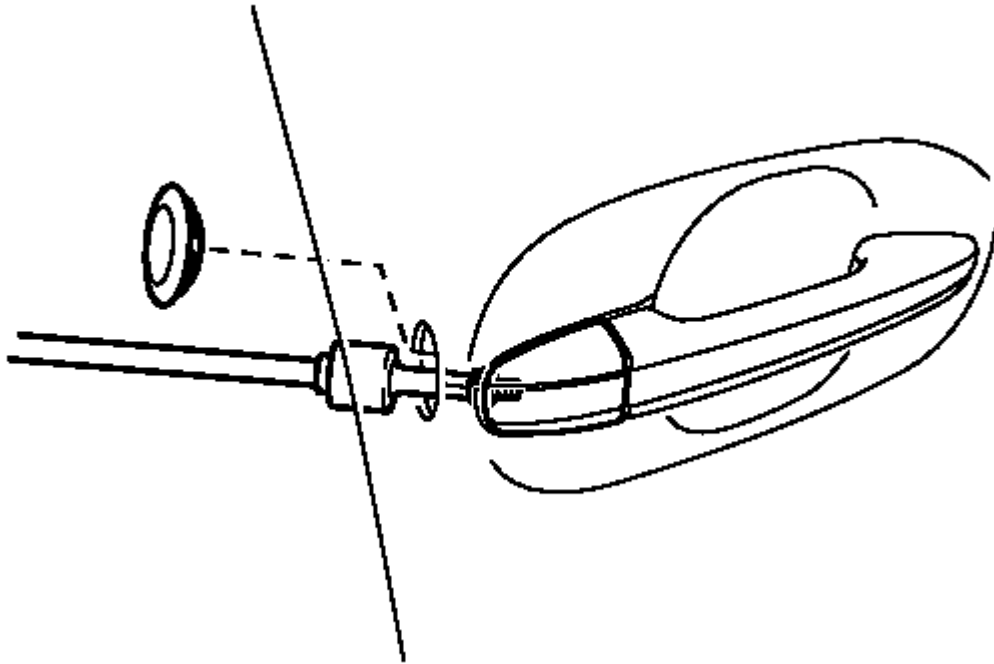


Fig. 52: Identifying Front Door Outside Handle Cover & Hole Plug (For Front Passenger Side)

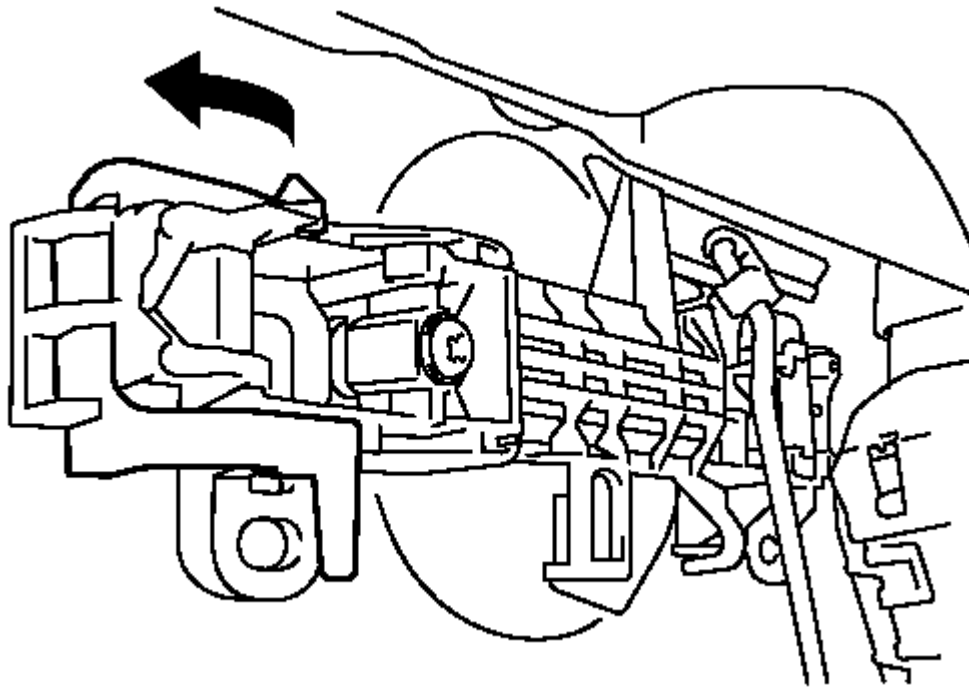
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Using a T30 "TORX" socket wrench, loosen the screw and remove the cover.

25. REMOVE FRONT DOOR LOCK ASSEMBLY . Refer to REMOVAL - Step 16

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

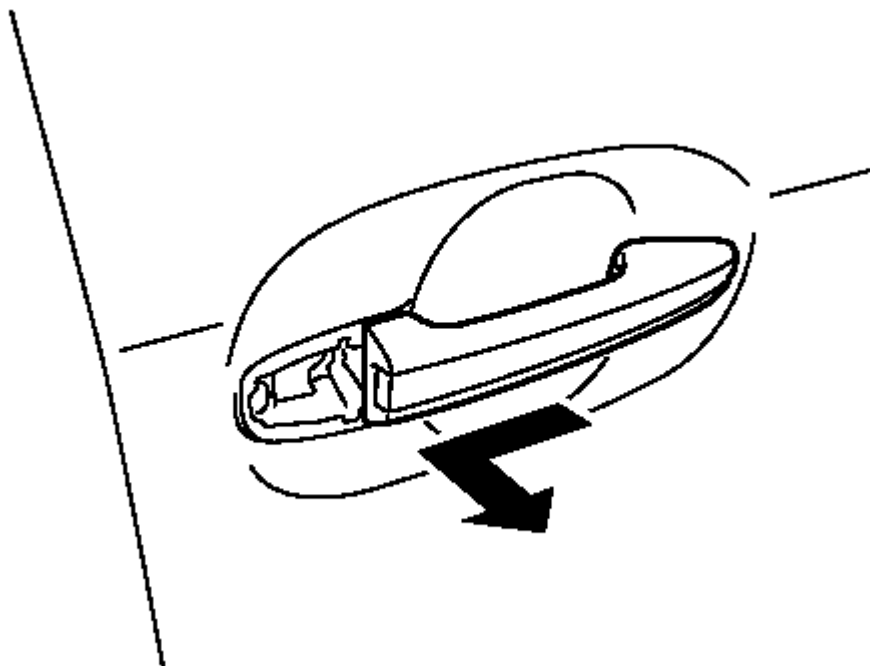
- a. Pull up the door handle holder as shown by the arrow.



Y

Fig. 53: Removing Door Handle Holder Assembly
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Pull the front door outside handle toward the back of the vehicle, disengage the front door outside handle frame, and remove the handle from the front door outside handle frame.



Y

Fig. 54: Pulling Front Door Outside Handle

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

- a. Using a screwdriver, disengage the 4 claws and remove the connector cover.

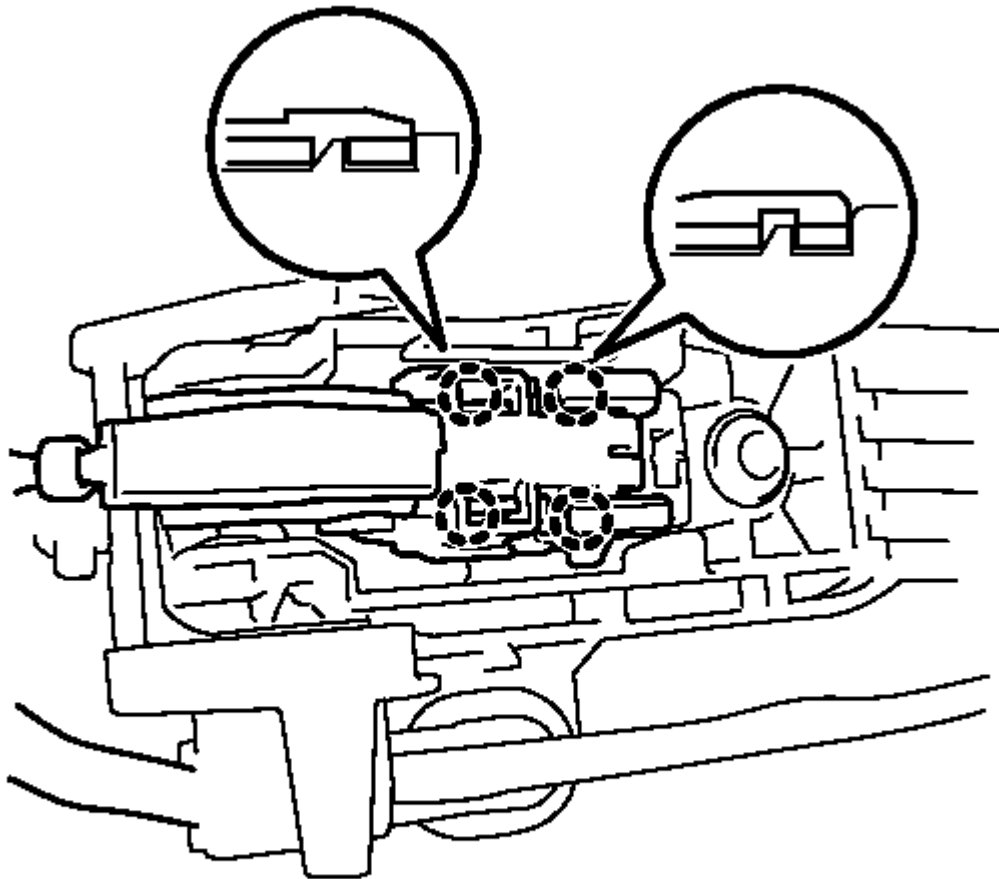
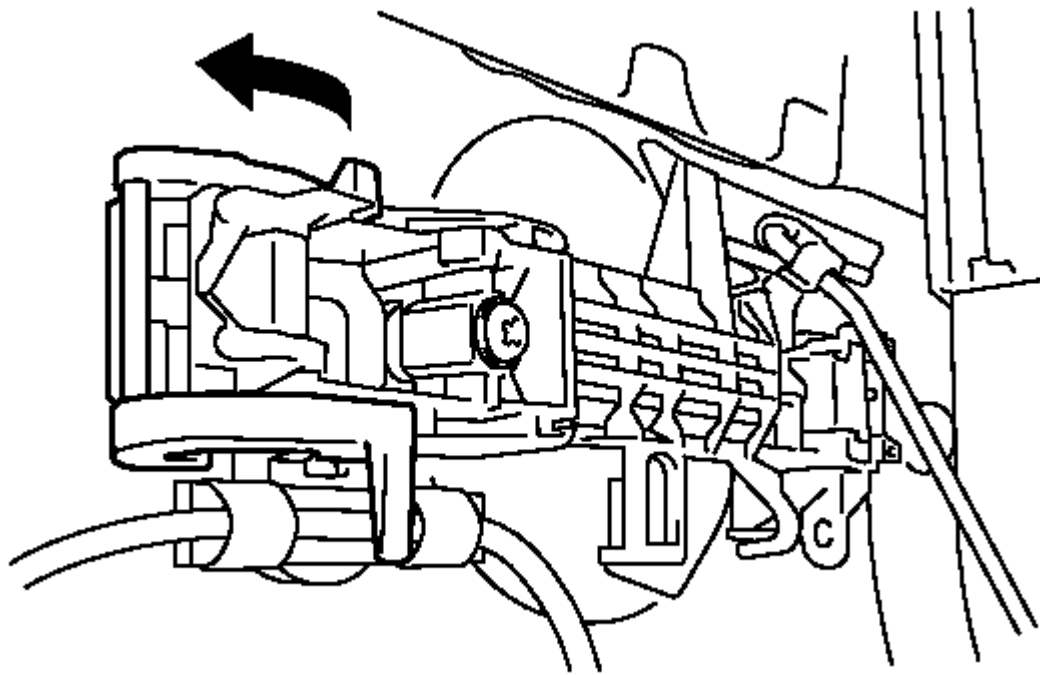


Fig. 55: Identifying Front Door Outside Handle Assembly Connector Cover & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disconnect the connector.
- c. Pull up the door handle holder as shown by the arrow.

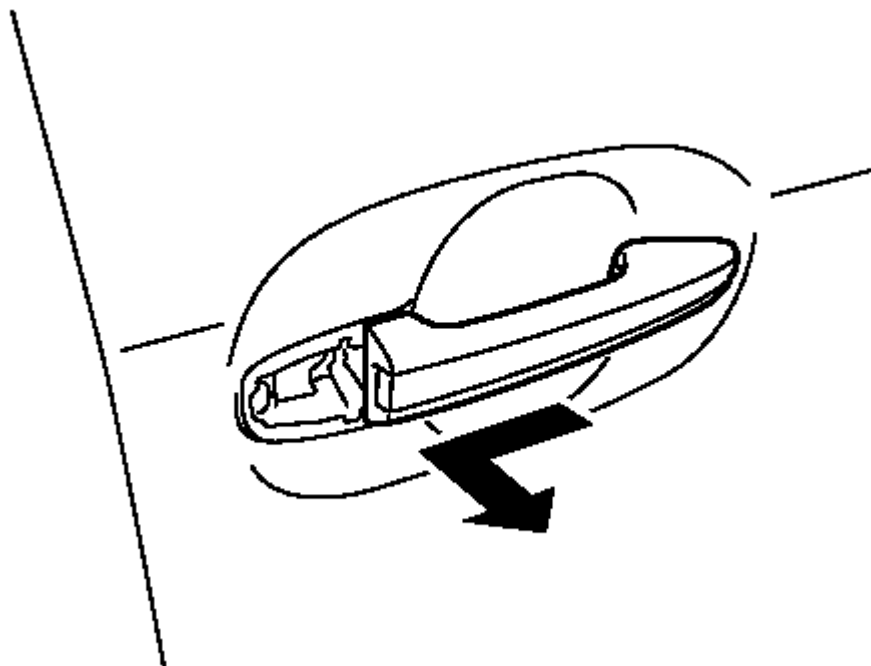


Y

Fig. 56: Removing Door Handle Holder

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Pull the front door outside handle toward the back of the vehicle, disengage the front door outside handle frame, and remove the handle from the front door outside handle frame.



Y

Fig. 57: Pulling Front Door Outside Handle

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

28. REMOVE FRONT DOOR OUTSIDE HANDLE FRONT PAD

- a. Disengage the 3 claws and remove the front door outside handle front pad.

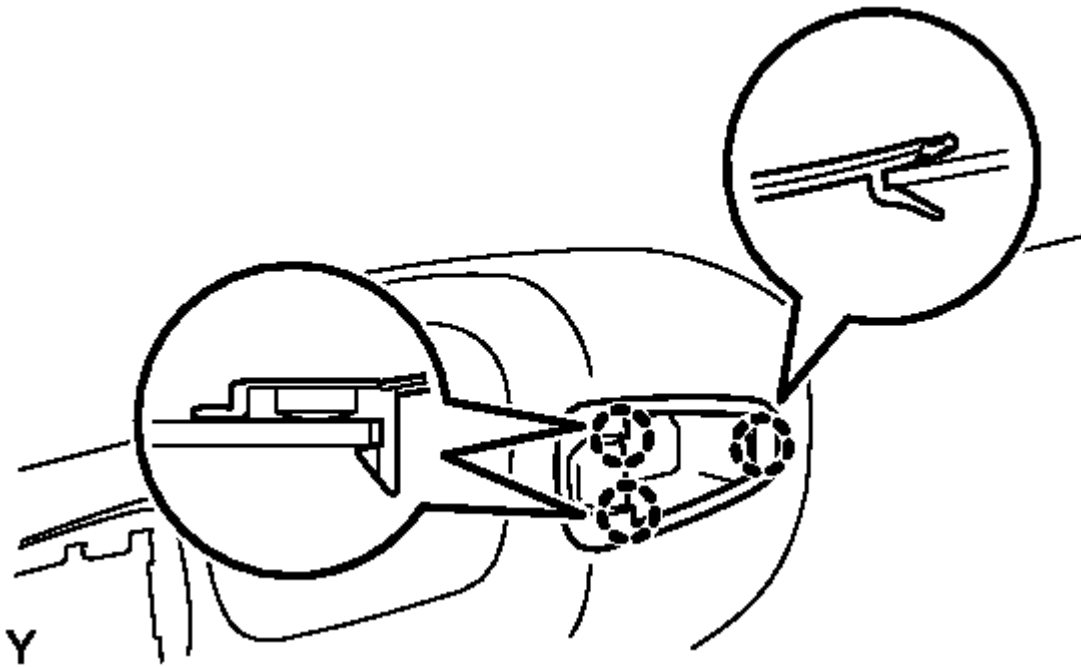
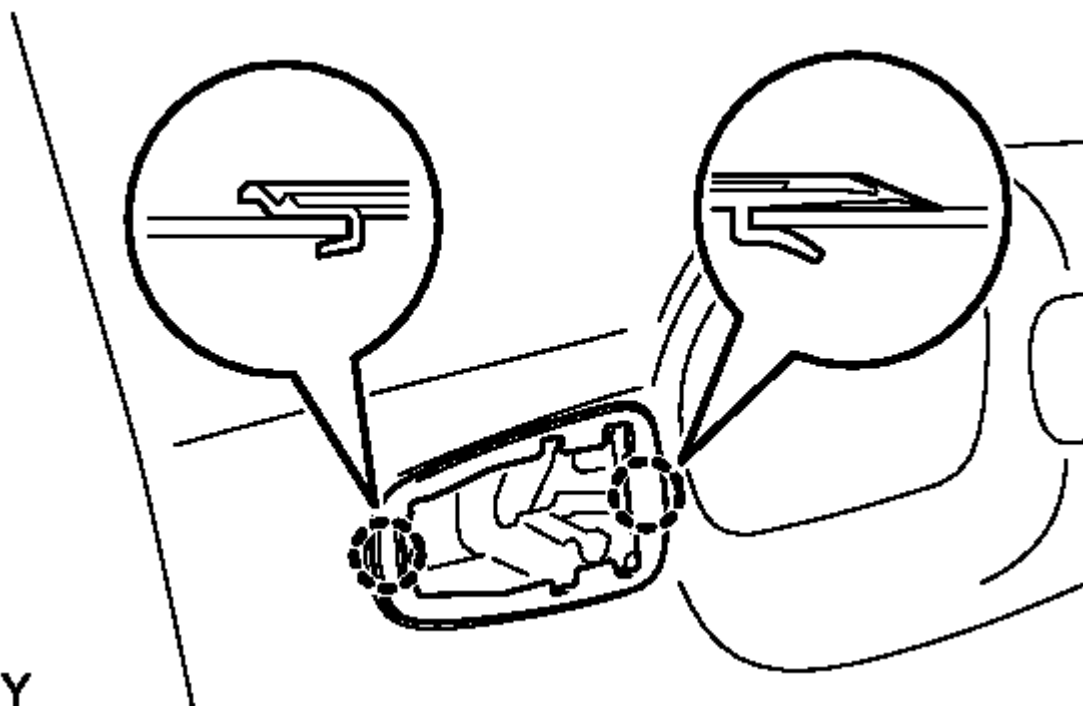


Fig. 58: Identifying Front Door Outside Handle Front Pad & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

29. REMOVE FRONT DOOR OUTSIDE HANDLE REAR PAD

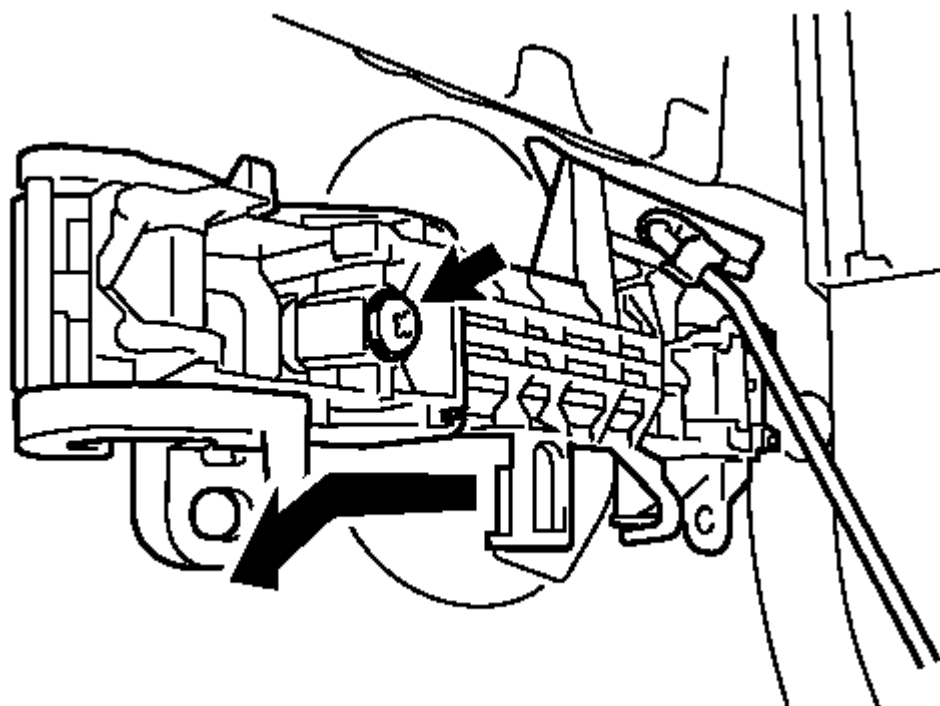
- a. Disengage the 2 claws and remove the front door outside handle rear pad.



Y

Fig. 59: Identifying Front Door Outside Handle Rear Pad & Claws
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

30. **REMOVE FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY (w/o Smart Key System)**
 - a. Using a T30 "TORX" socket wrench, loosen the screw.



Y

Fig. 60: Removing Front Door Outside Handle Frame Sub-Assembly & Screw (w/o Smart Key System)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Slide the front outside handle frame to remove it.
31. **REMOVE FRONT DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY (w/ Smart Key System)**
- a. Disengage the 2 clamps.

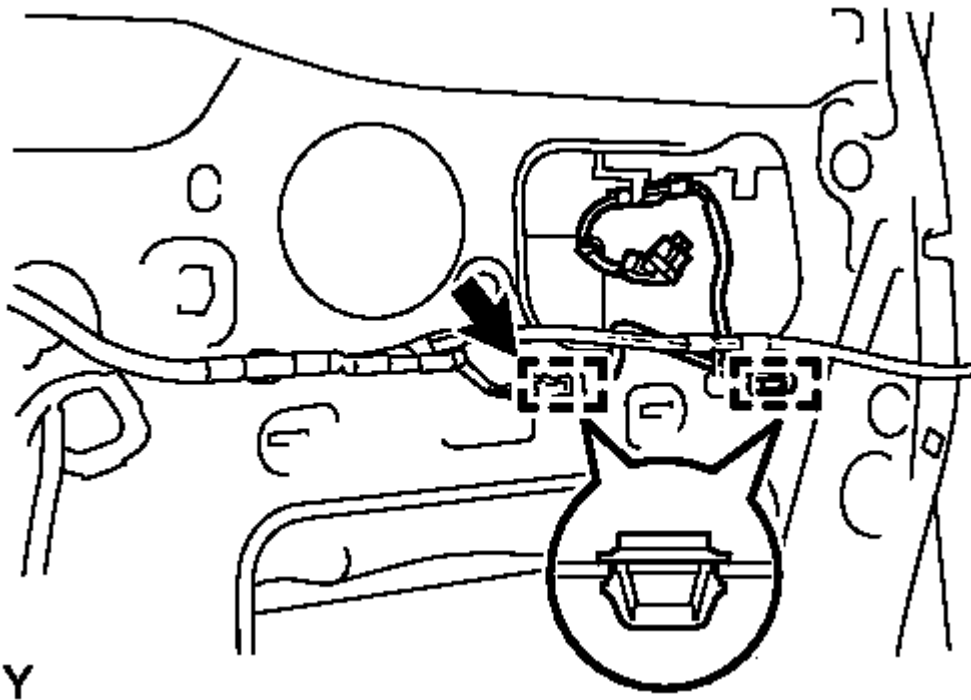


Fig. 61: Identifying Front Door Outside Handle Frame Sub-Assembly & Clamps (w/ Smart Key System)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disconnect the connector.
- c. Using a T30 "TORX" socket wrench, loosen the screw.

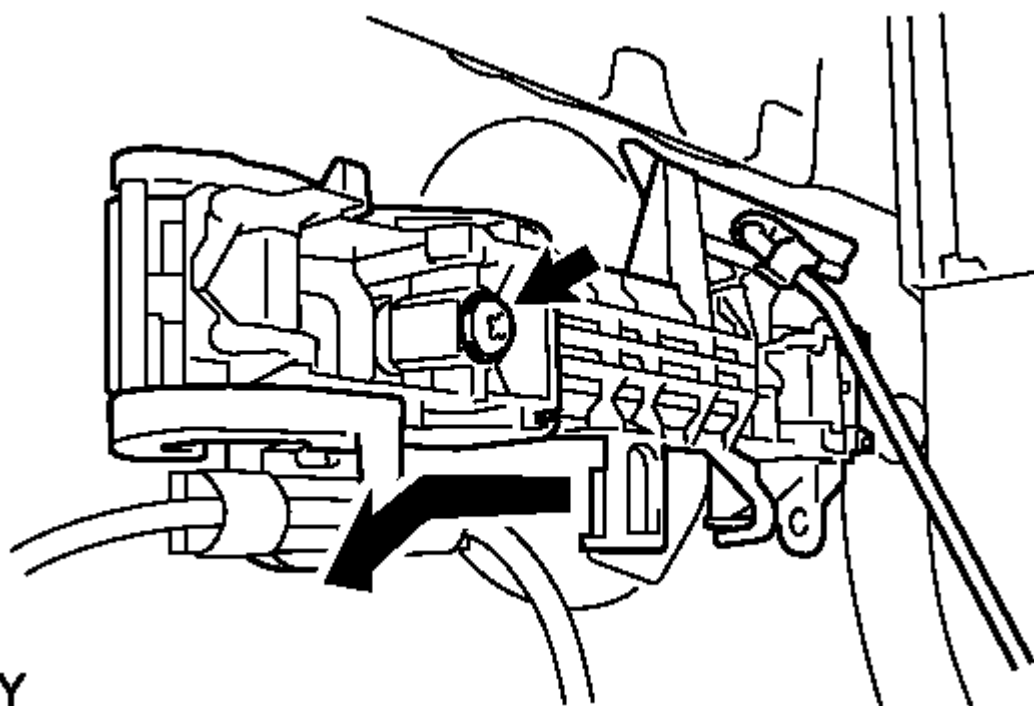
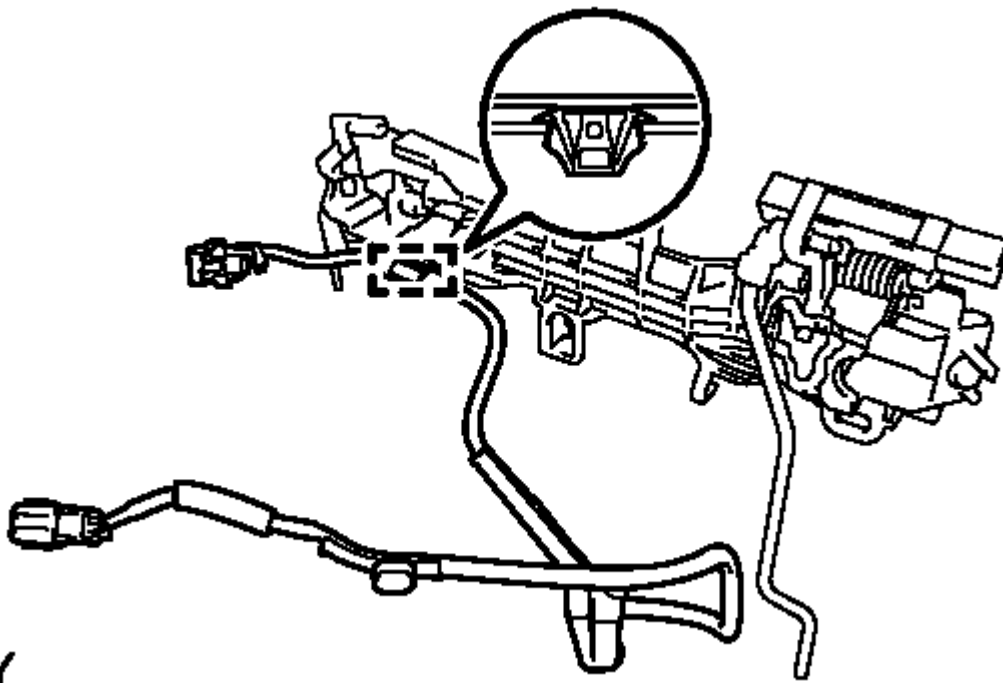


Fig. 62: Removing Front Door Outside Handle Frame Sub-Assembly & Screw (w/ Smart Key System)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Slide the front outside handle frame to remove it.
- 32. **REMOVE FRONT DOOR WIRE (w/ Smart Key System)**
 - a. Disengage the clamp and remove the front door wire from the front outside handle frame.

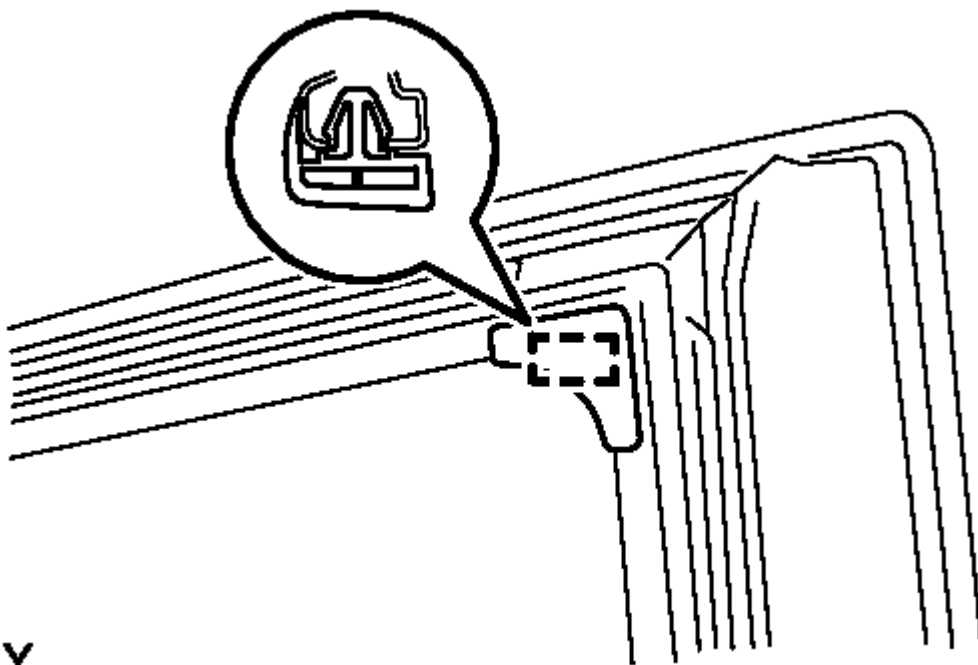


Y

Fig. 63: Identifying Front Door Wire & Clamp (w/ Smart Key System)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

33. REMOVE DOOR FRAME GARNISH

- a. Disengage the clamp and remove the door frame garnish.



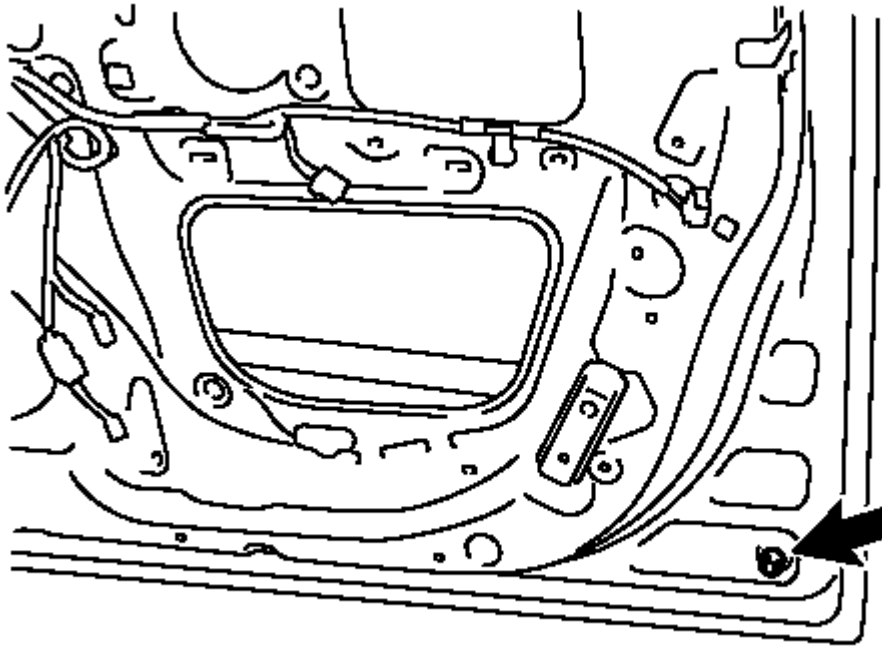
Y

Fig. 64: Identifying Door Frame Garnish & Clamp

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

34. REMOVE CUSHION

- a. Remove the cushion from the door panel.



Y

Fig. 65: Identifying Door Panel Cushion

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ADJUSTMENT

ADJUSTMENT

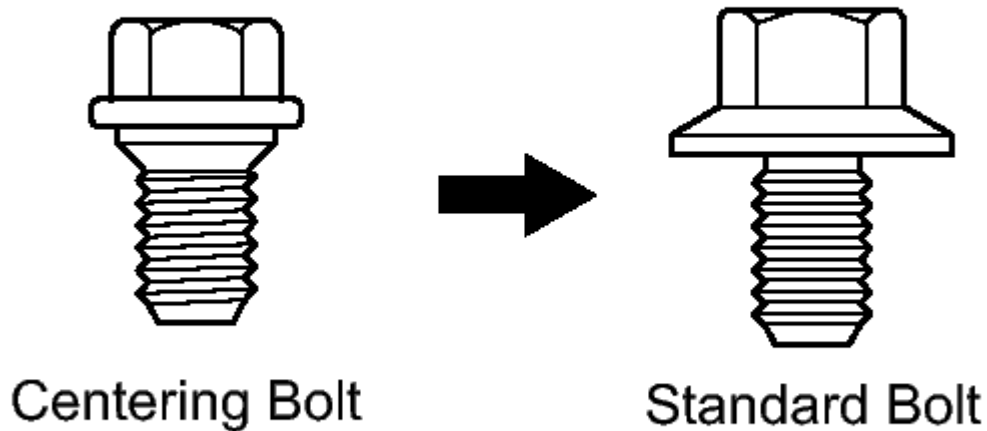


Fig. 66: Identifying Centering And Standard Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

HINT:

- Use the same procedure for the RH and LH sides.
- The procedures described below are for the RH side.
- Centering bolts are used to mount the door hinge onto the vehicle body and door. The door cannot be adjusted with the centering bolts in. Substitute standard bolts (with washers) for the centering bolts when making adjustments.
- For bolts without torque specifications, check the standard bolt chart. Refer to **SPECIFIED TORQUE FOR STANDARD BOLTS** .

ADJUSTMENT

1. INSPECT FRONT DOOR PANEL SUB-ASSEMBLY

- a. Check that the clearance measurements are within the standard ranges.

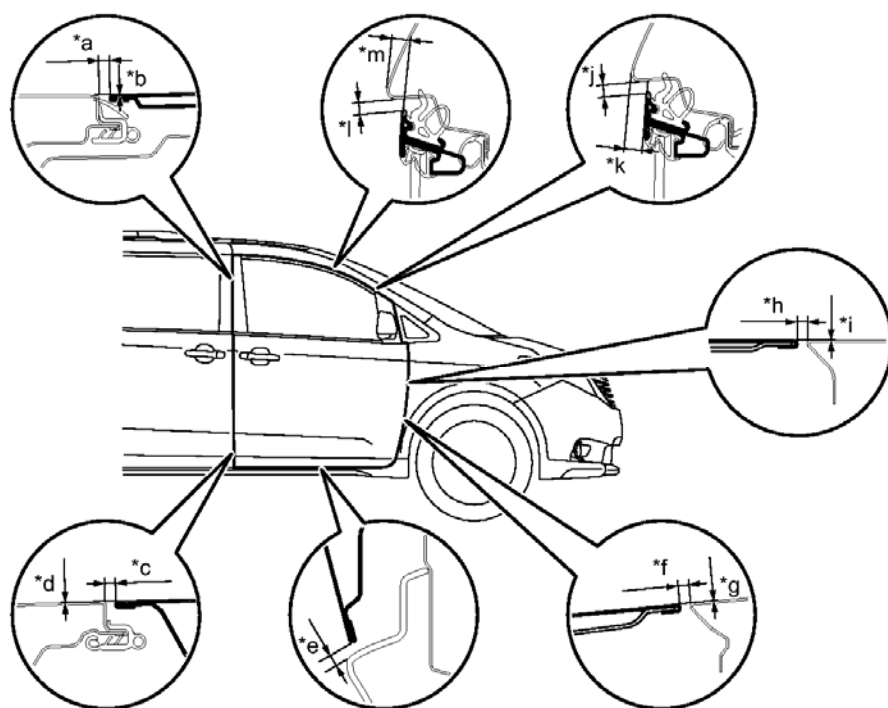


Fig. 67: Inspecting Front Door Panel Sub-Assembly Clearance Measurements
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Standard

Area	Measurement	Area	Measurement
*a	3.5 to 6.5 mm (0.138 to 0.256 in.)	*h	3.0 to 6.0 mm (0.118 to 0.236 in.)
*b	-1.2 to 1.8 mm (-0.047 to 0.071 in.)	*i	-1.5 to 1.5 mm (-0.059 to 0.059 in.)
*c	3.5 to 6.5 mm (0.138 to 0.256 in.)	*j	4.2 to 7.2 mm (0.165 to 0.283 in.)
*d	-1.5 to 1.5 mm (-0.059 to 0.059 in.)	*k	7.5 to 10.5 mm (0.354 to 0.413 in.)
*e	4.5 to 7.5 mm (0.177 to 0.354 in.)	*l	4.2 to 7.2 mm (0.165 to 0.283 in.)
*f	3.0 to 6.0 mm (0.118 to 0.236 in.)	*m	7.7 to 10.7 mm

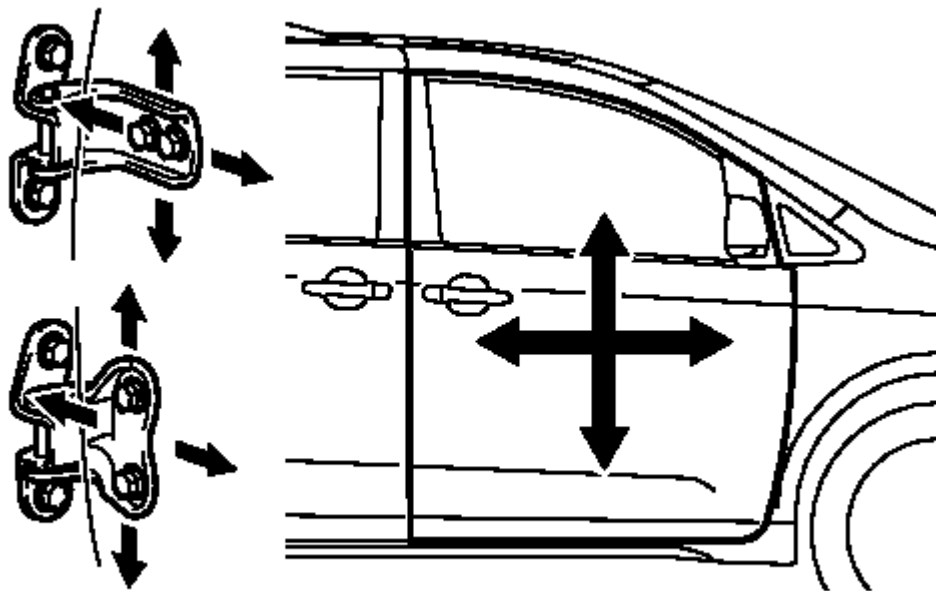
	0.236 in.)		(0.303 to 0.421 in.)
*g	-1.5 to 1.5 mm (-0.059 to 0.059 in.)	-	-

2. ADJUST FRONT DOOR PANEL SUB-ASSEMBLY

- Disconnect the cable from the negative battery terminal.

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

- Using SST, adjust the door horizontally and vertically by loosening the body side hinge bolts.



Y

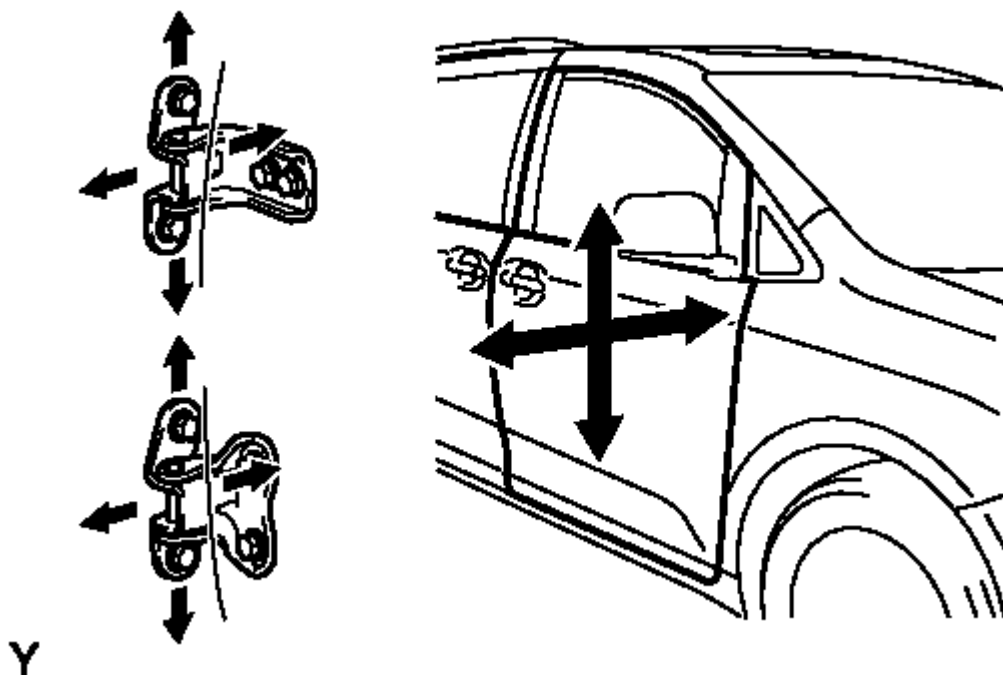
Fig. 68: Adjusting Front Door Panel Sub-Assembly & Body Side Hinge Bolts Using SST
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- SST: 09812-00010

- Tighten the body side hinge bolts after the adjustment.

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

- Using SST, adjust the door horizontally and vertically by loosening the door side hinge bolts.

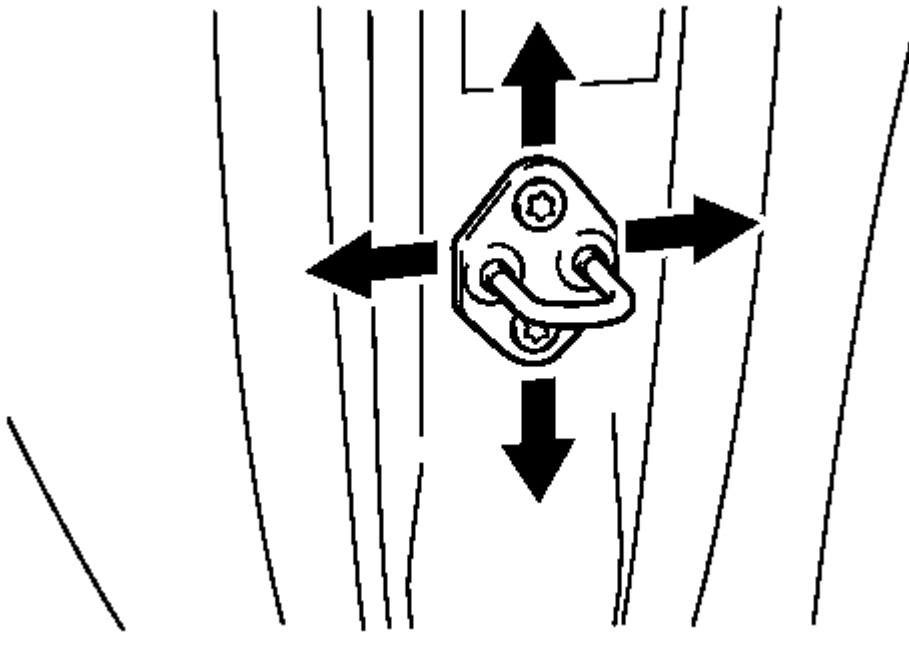


Y
Fig. 69: Adjusting Front Door Panel Sub-Assembly & Door Side Hinge Bolts Using SST
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- e. Tighten the door side hinge bolts after the adjustment.
 - SST: 09812-00010

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

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



Y
Fig. 70: Adjusting Front Door Striker
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- g. Using a T40 "TORX" socket wrench, tighten the striker mounting screws after the adjustment.

Torque: 23 N*m (235 kgf*cm, 17 ft.*lbf)

- h. Connect the cable to the negative battery terminal.

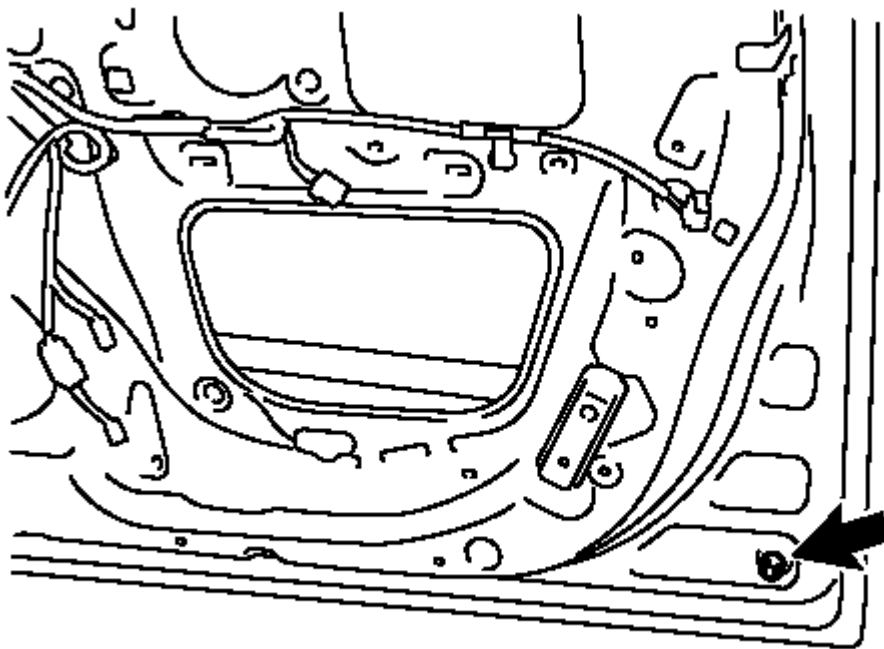
Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

REASSEMBLY

REASSEMBLY

1. INSTALL CUSHION

- a. Install the cushions onto the door panel.



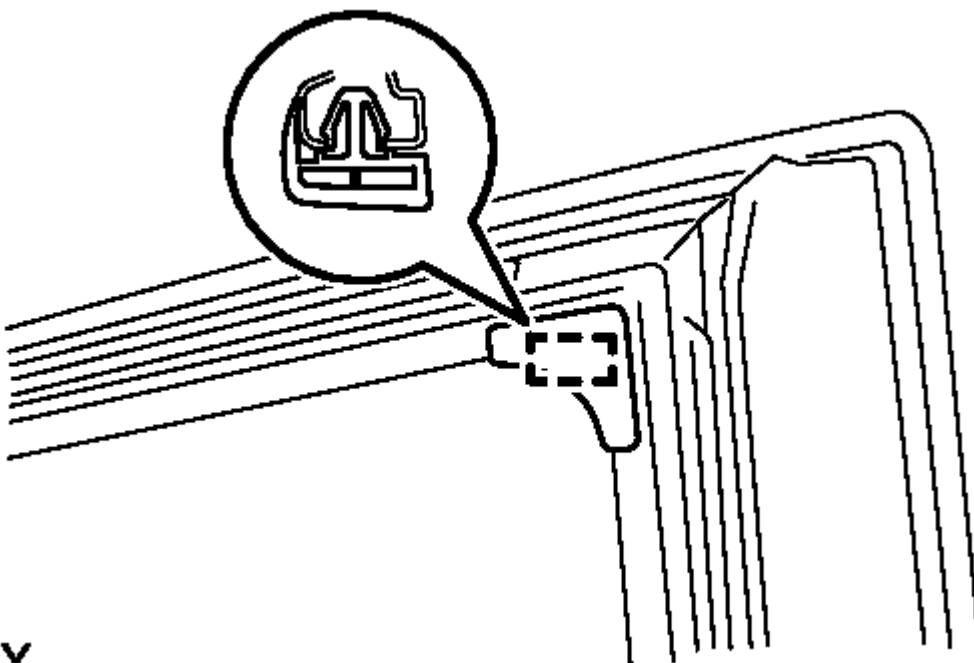
Y

Fig. 71: Identifying Door Panel Cushion

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL DOOR FRAME GARNISH

- a. Engage the clamp and install a new door frame garnish.



Y

Fig. 72: Identifying Door Frame Garnish & Clamp

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. INSTALL FRONT DOOR WIRE (w/ Smart Key System)

- a. Engage the clamp and install the front door wire onto the front outside handle frame.

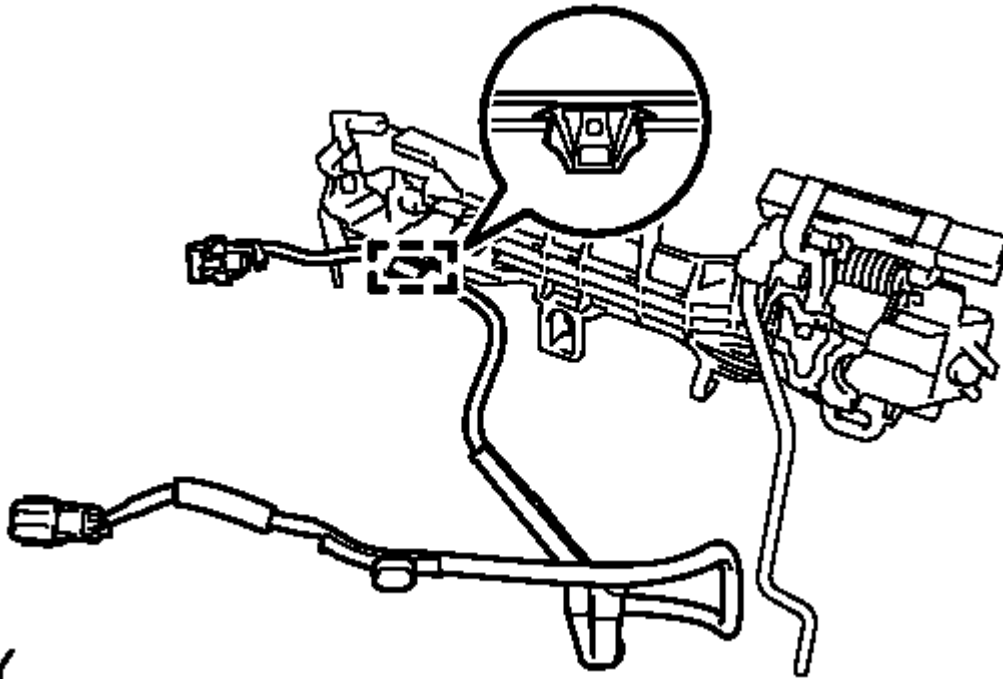
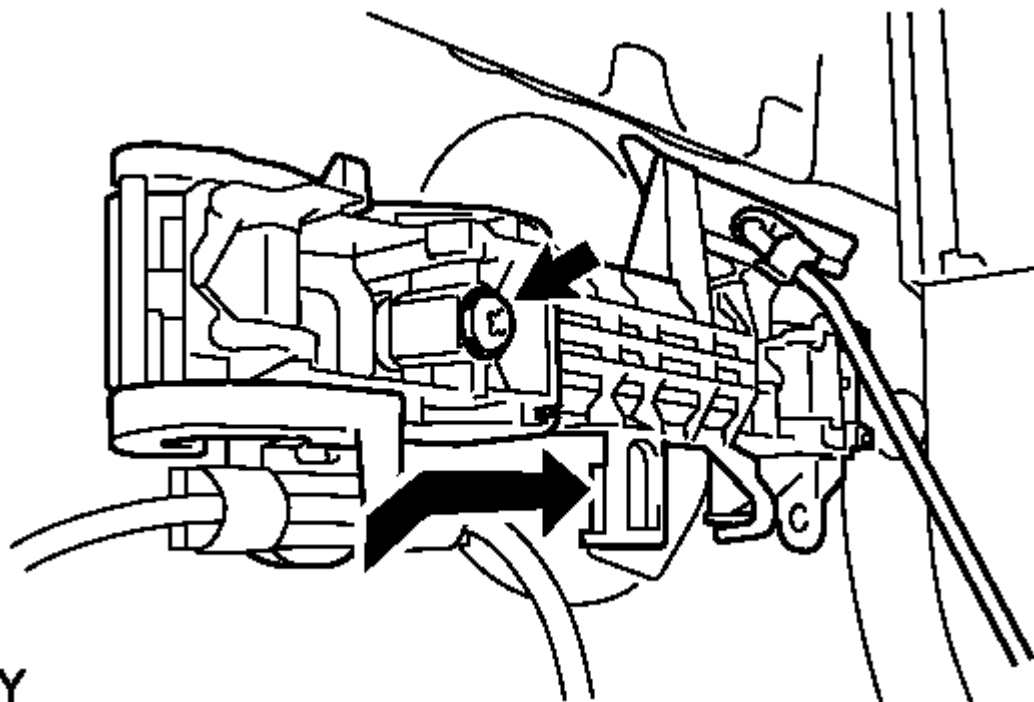


Fig. 73: Identifying Front Door Wire & Clamp (w/ Smart Key System)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

- a. Apply MP grease to the sliding areas of the front door outside handle frame.



Y

Fig. 74: Installing Front Door Outside Handle Frame Sub-Assembly & Screw (w/o Smart Key System)

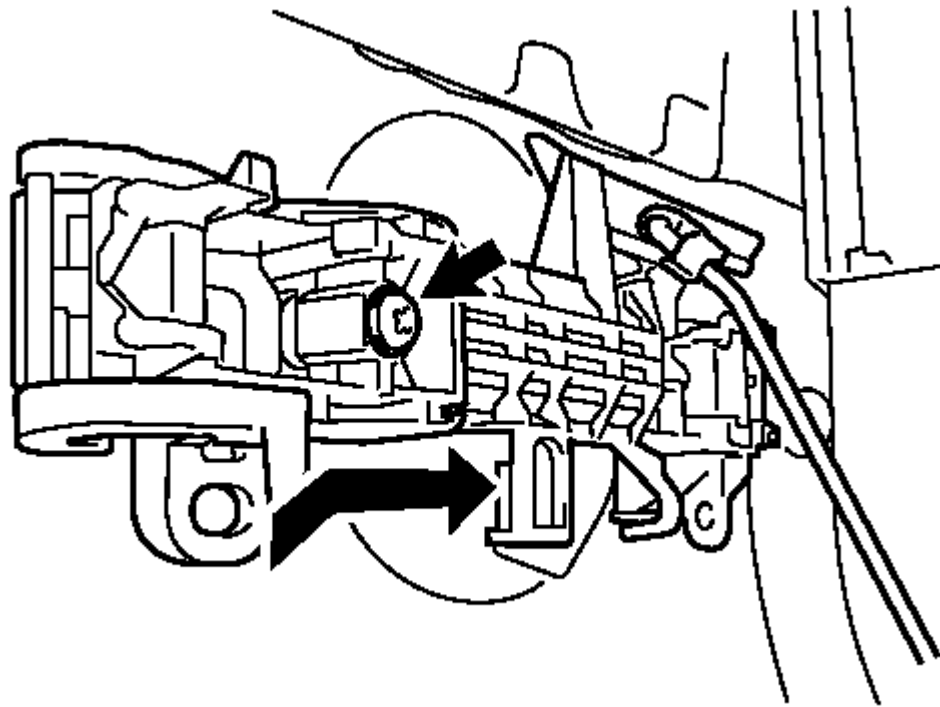
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Slide the front door outside handle frame to install it.
- c. Using a T30 "TORX" socket wrench, install the front outside handle frame with the screw.

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

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

- a. Apply MP grease to the sliding areas of the front door outside handle frame.



Y

Fig. 75: Installing Front Door Outside Handle Frame Sub-Assembly & Screw (w/ Smart Key System)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Slide the front door outside handle frame to install it.
- c. Using a T30 "TORX" socket wrench, install the front outside handle frame with the screw.

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

- d. Connect the connector.

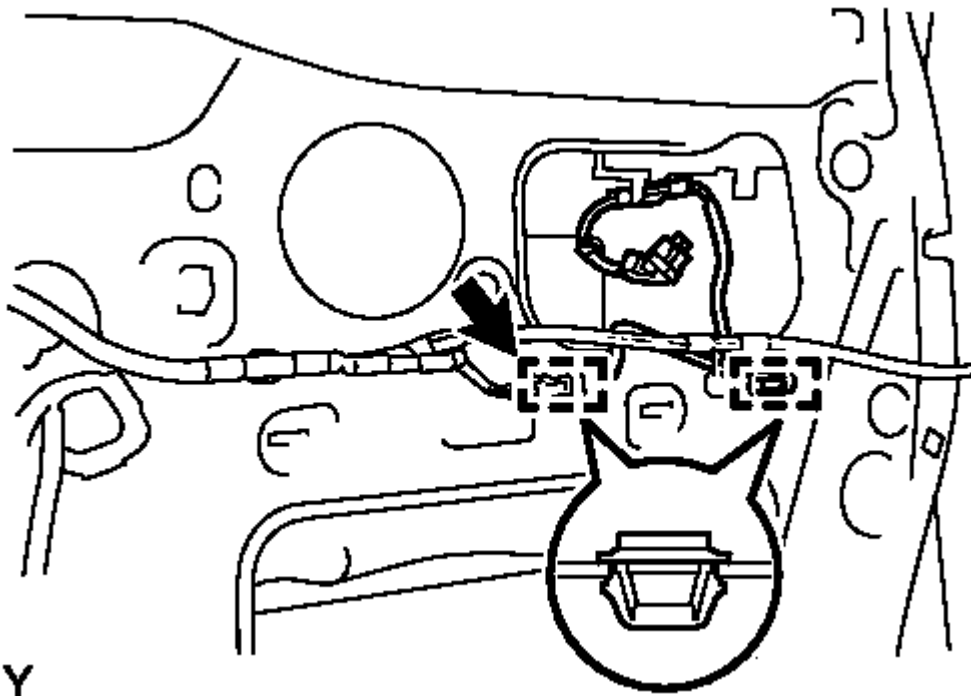


Fig. 76: Identifying Front Door Outside Handle Frame Sub-Assembly & Clamps (w/ Smart Key System)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- e. Engage the 2 clamps.
- 6. **INSTALL FRONT DOOR OUTSIDE HANDLE REAR PAD**
 - a. Engage the 2 claws and install the front door outside handle rear pad.

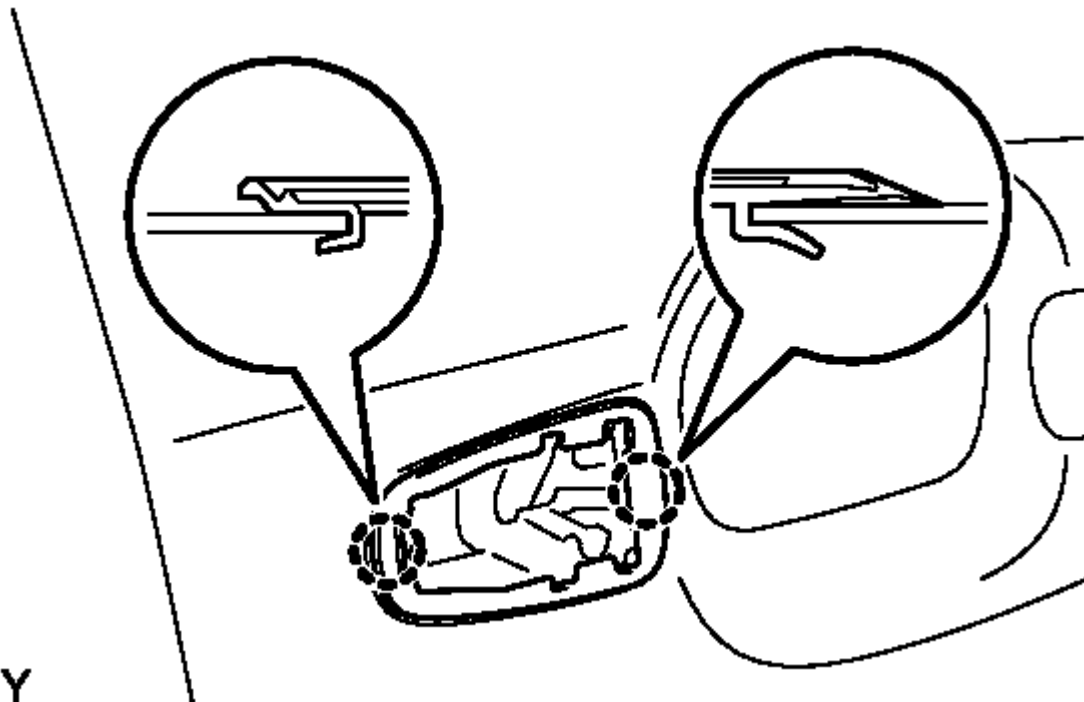


Fig. 77: Identifying Front Door Outside Handle Rear Pad & Claws
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

7. INSTALL FRONT DOOR OUTSIDE HANDLE FRONT PAD

- a. Engage the 3 claws and install the front door outside handle front pad.

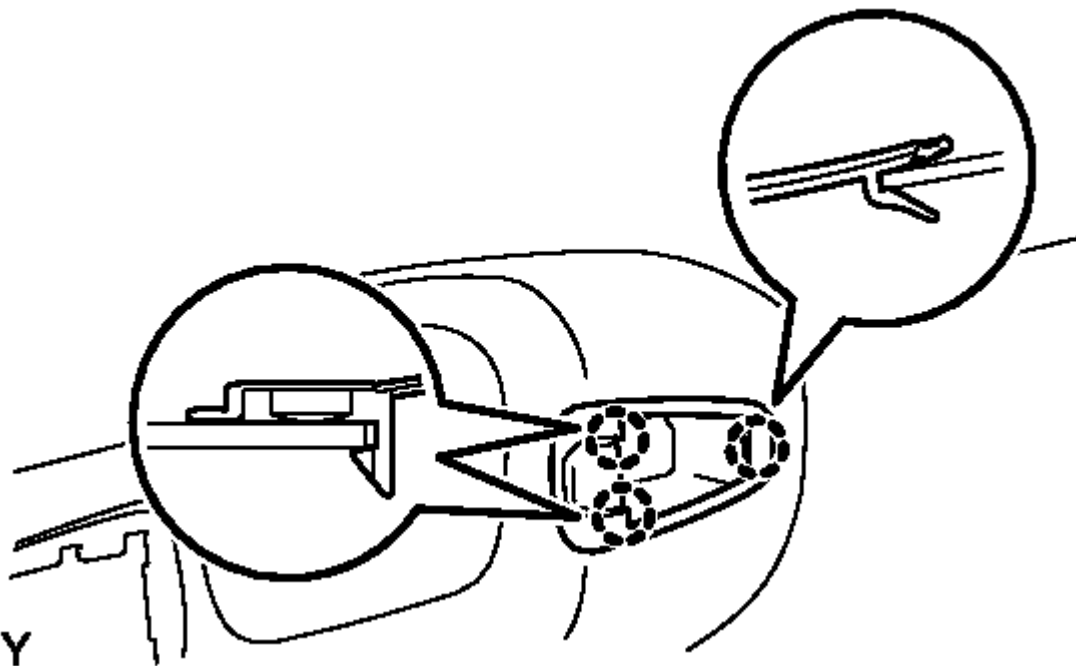


Fig. 78: Identifying Front Door Outside Handle Front Pad & Claws

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

- a. Pushing the front door outside handle in the direction of the arrow mark shown in the illustration, install the front door outside handle.

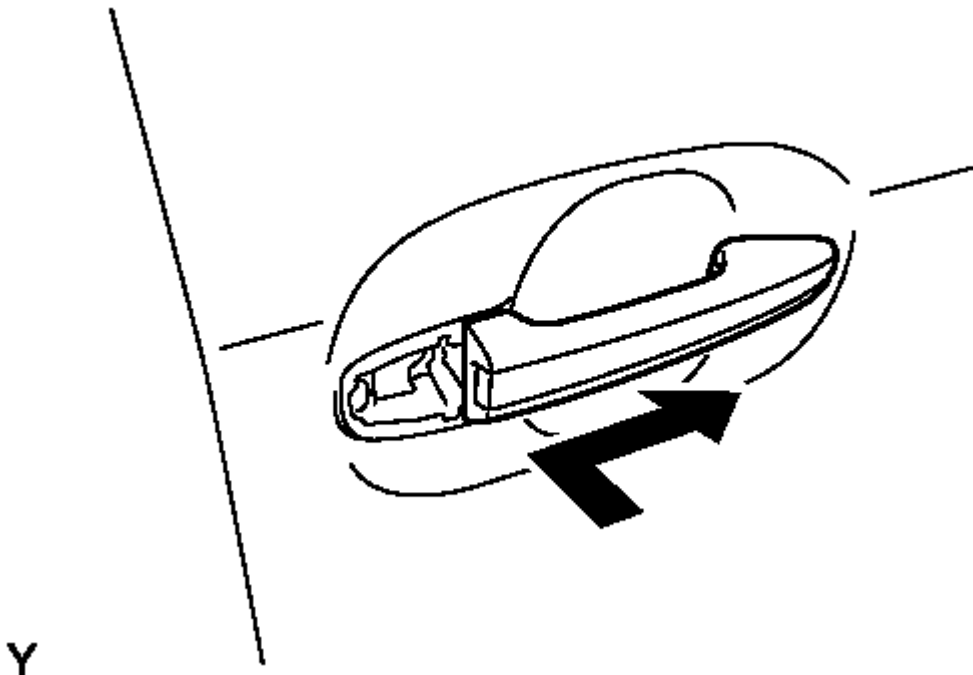
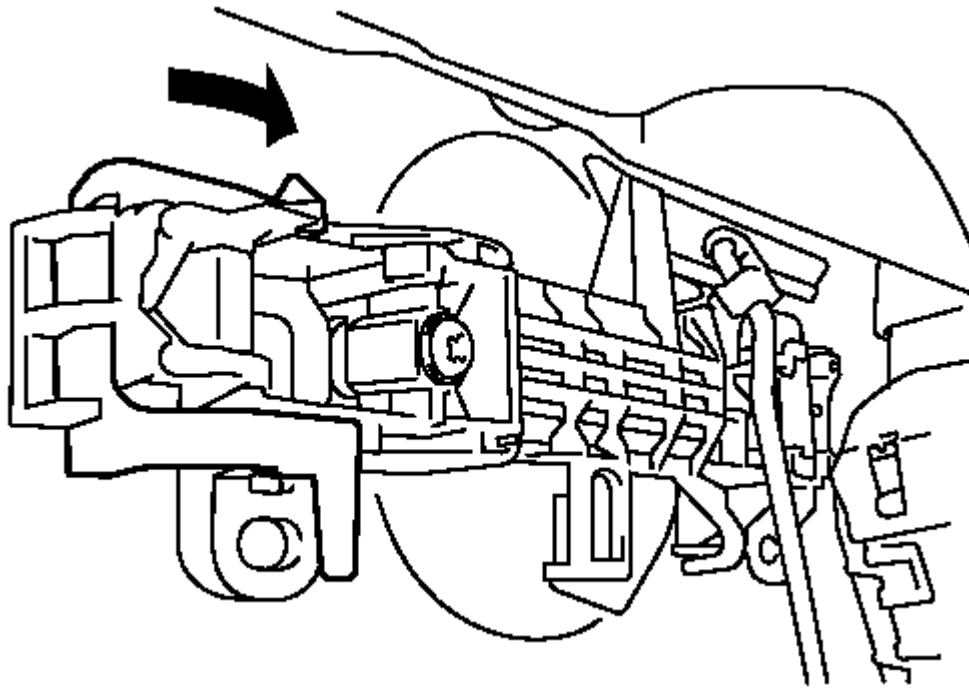


Fig. 79: Installing Front Door Outside Handle Assembly (w/o Smart Key System)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Pull down the door handle holder as shown by the arrow and lock the front door outside handle.

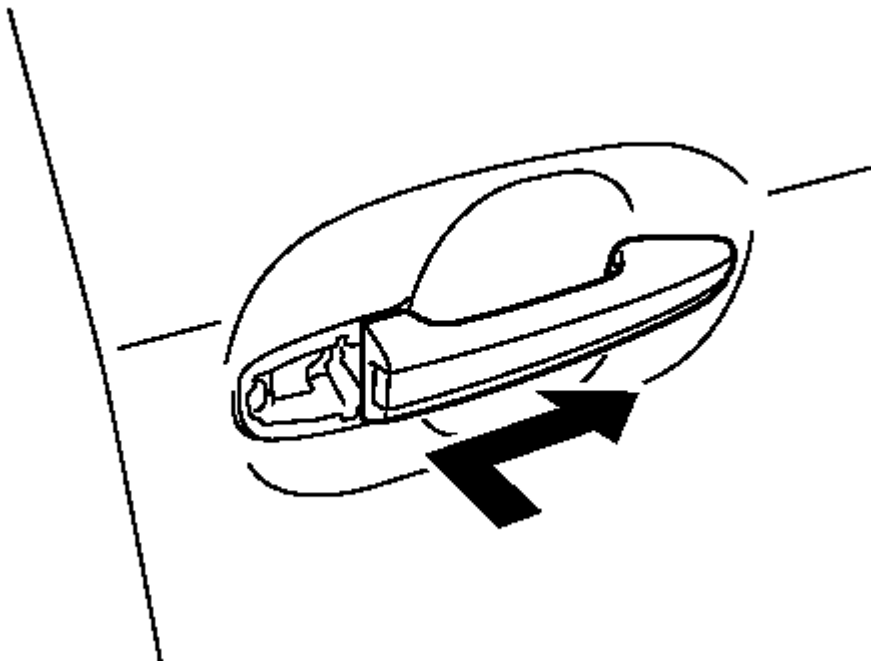


Y

Fig. 80: Installing Down Door Handle Holder
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

- a. Pushing the front door outside handle in the direction of the arrow mark shown in the illustration, install the front door outside handle.



Y

Fig. 81: Installing Front Door Outside Handle Assembly (w/o Smart Key System)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Pull down the door handle holder as shown by the arrow and lock the front door outside handle.

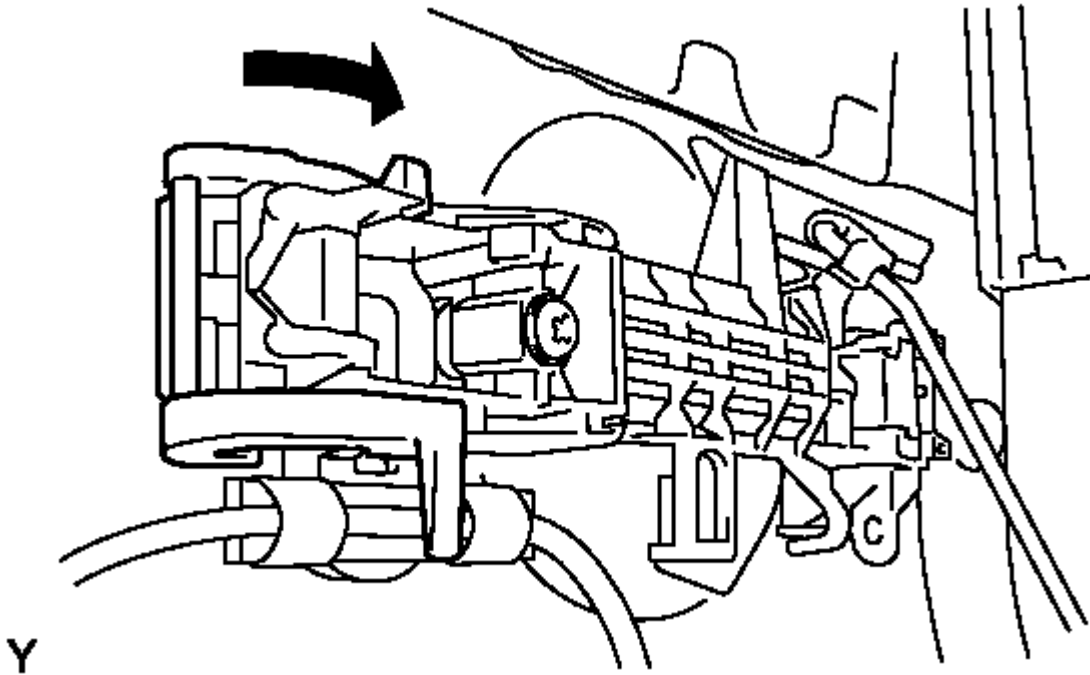


Fig. 82: Pulling Down Door Handle Holder
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Connect the connector.

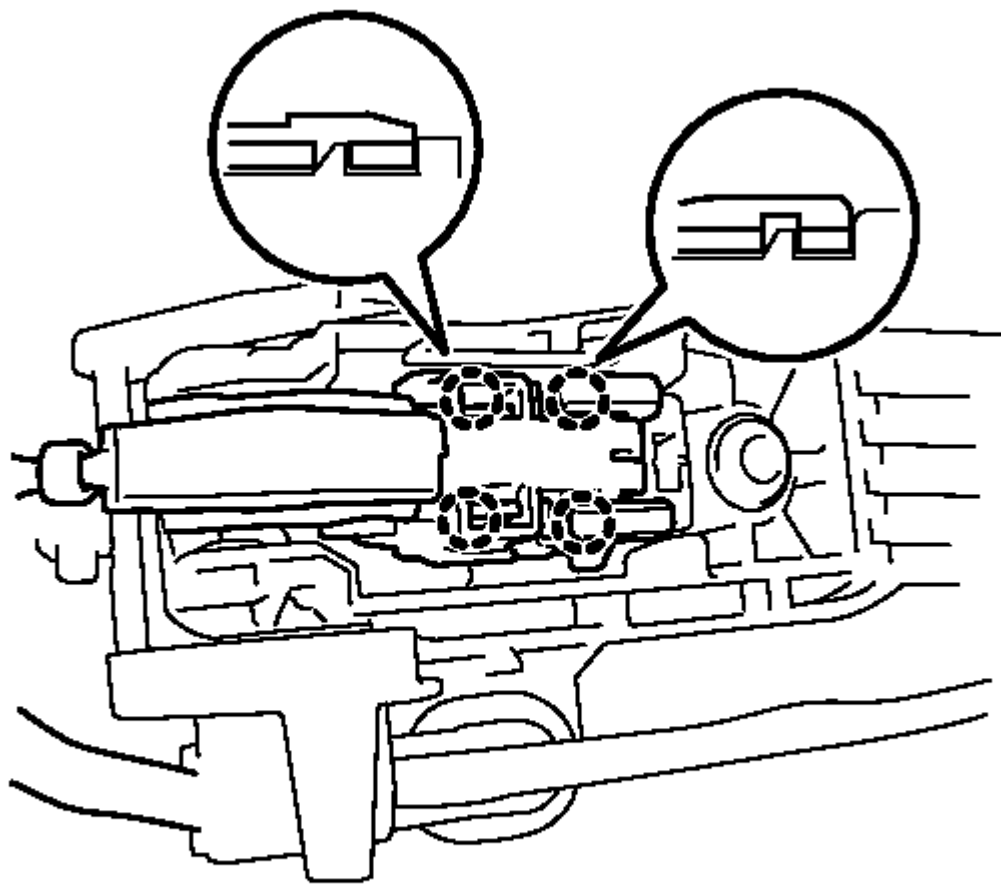
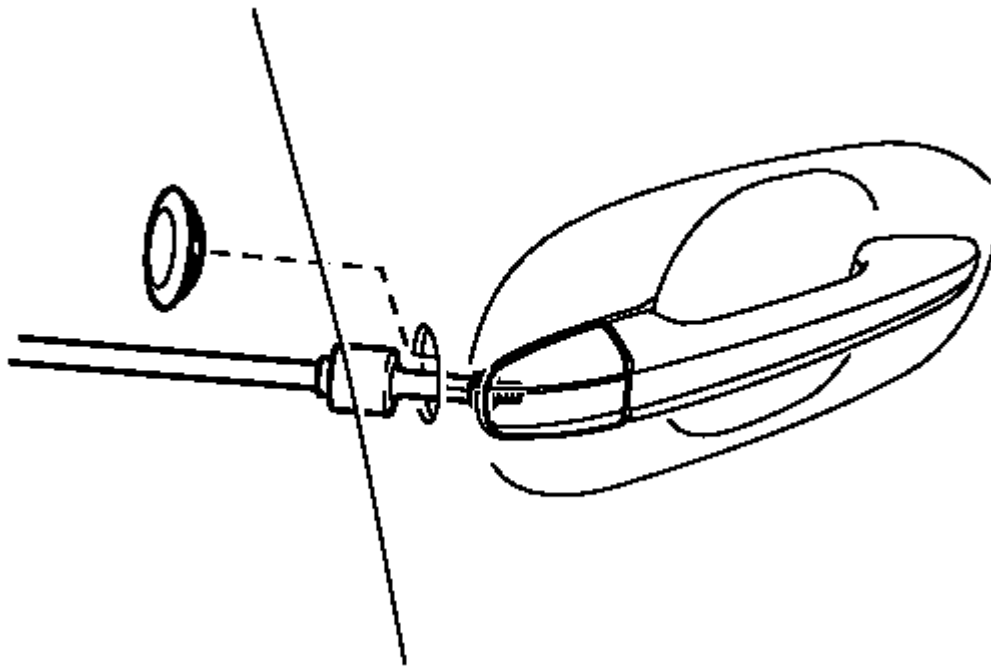


Fig. 83: Identifying Front Door Outside Handle Assembly Connector Cover & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Engage the 4 claws and install the connector cover.
- 10. **INSTALL FRONT DOOR LOCK ASSEMBLY** . Refer to **INSTALLATION - Step 3**
- 11. **INSTALL FRONT DOOR OUTSIDE HANDLE COVER (for Front Passenger Side)**
 - a. Using a T30 "TORX" socket wrench, install the cover.



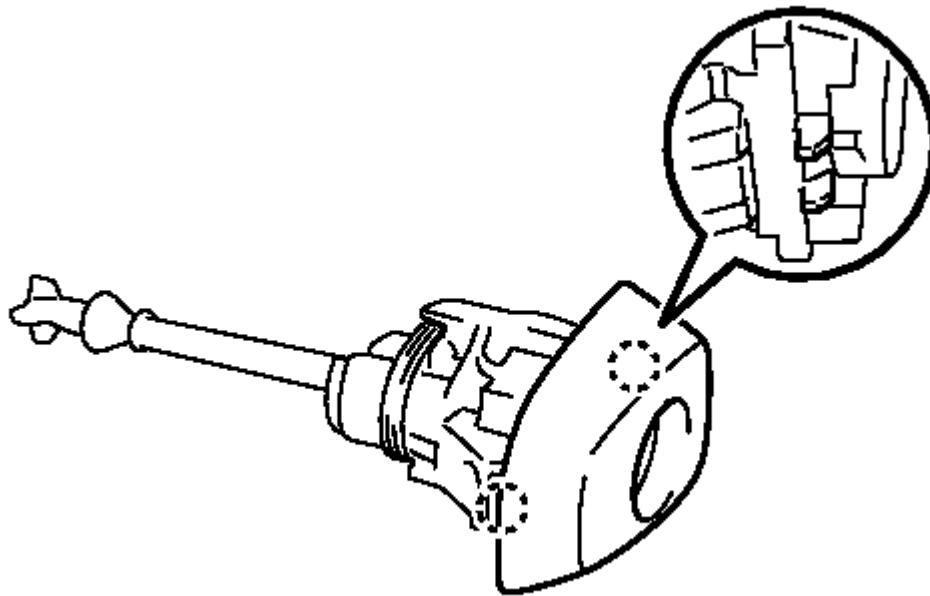
Y

Fig. 84: Identifying Front Door Outside Handle Cover & Hole Plug (For Front Passenger Side)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

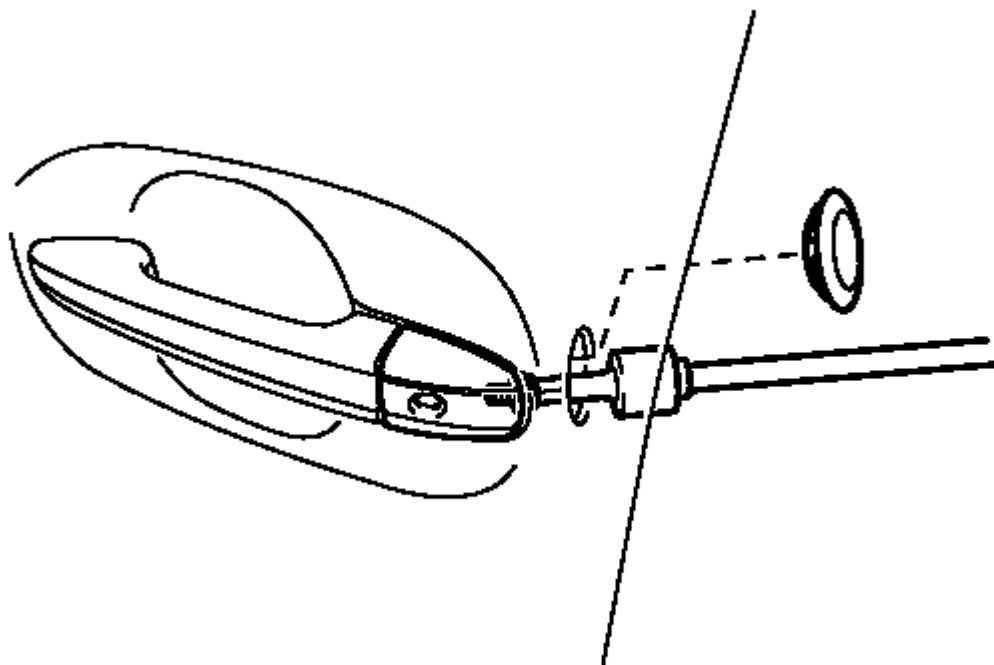
- b. Install the hole plug.
- 12. **INSTALL FRONT DOOR OUTSIDE HANDLE COVER (for Driver Side)**
 - a. Engage the 2 claws and install the lock cylinder.



Y

Fig. 85: Identifying Claws And Lock Cylinder
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Using a T30 "TORX" socket wrench, install the cover.



Y

Fig. 86: Identifying Front Door Outside Handle Cover & Hole Plug (For Driver Side)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

- c. Install the hole plug.

13. INSTALL FRONT DOOR STIFFENER CUSHION

- a. Install a new front door stiffener cushion with the 2 bolts and apply thorough pressure to the sections with double-sided tape.

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

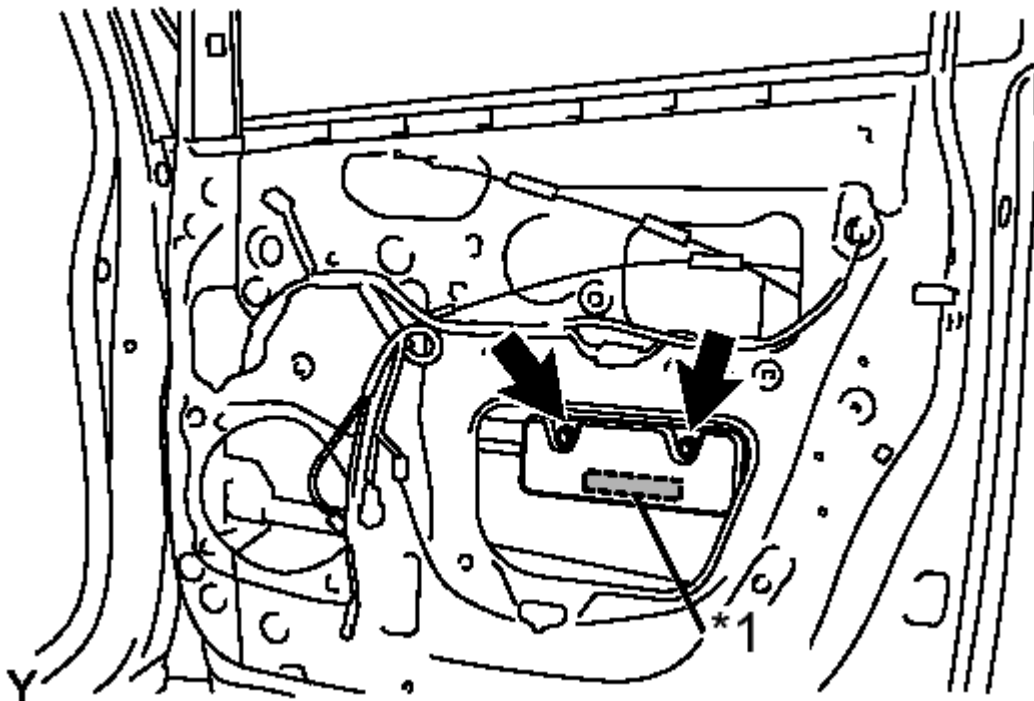


Fig. 87: Identifying Front Door Stiffener Cushion, Double-Sided Tape & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Double- sided Tape
----	--------------------------

14. INSTALL FRONT DOOR WINDOW REGULATOR SUB-ASSEMBLY

- a. Apply MP grease to the sliding and rotating areas of the front door window regulator.

NOTE: Do not apply grease to the front door window regulator spring.

- b. Loosely install bolt A onto the front door window regulator.

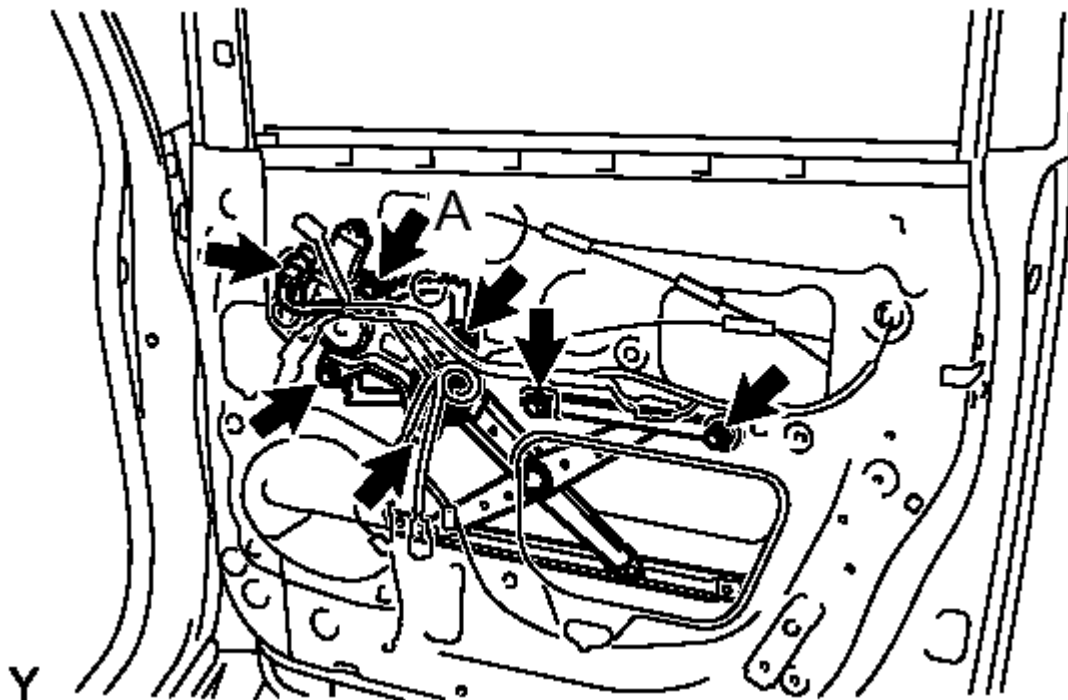


Fig. 88: Identifying Front Door Window Regulator Sub-Assembly, Connector & Bolts
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Insert the front door window regulator into the door panel. Provisionally tighten bolt A to hang the front door window regulator on the door panel.

NOTE: Do not drop the front door window regulator as it may be damaged.

- d. Install the front door window regulator with the 5 bolts, and tighten bolt A.

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

- e. Connect the connector.

15. INSTALL FRONT DOOR REAR LOWER FRAME SUB-ASSEMBLY

- a. Install the front door rear lower frame with the 2 bolts.

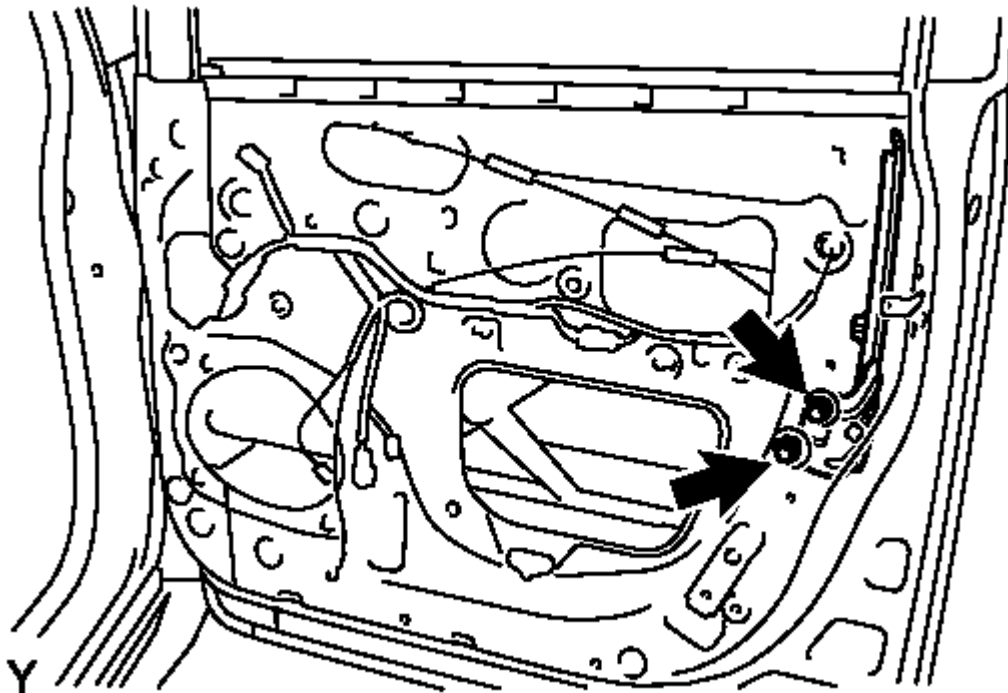


Fig. 89: Identifying Front Door Rear Lower Frame Sub-Assembly & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

16. INSTALL FRONT DOOR GLASS SUB-ASSEMBLY

- a. Insert the front door glass into the door panel along the glass run as indicated by the arrows in the illustration.

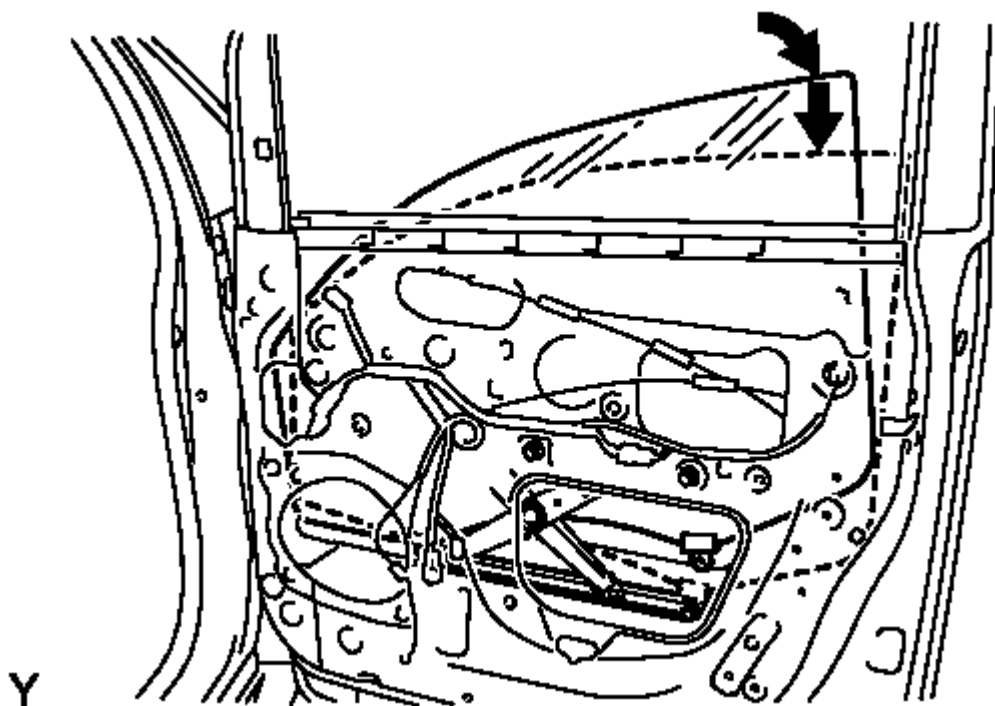


Fig. 90: Installing Front Door Glass Sub-Assembly
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Do not damage the front door glass.

- b. Install the front door glass onto the front door window regulator with the 2 bolts.

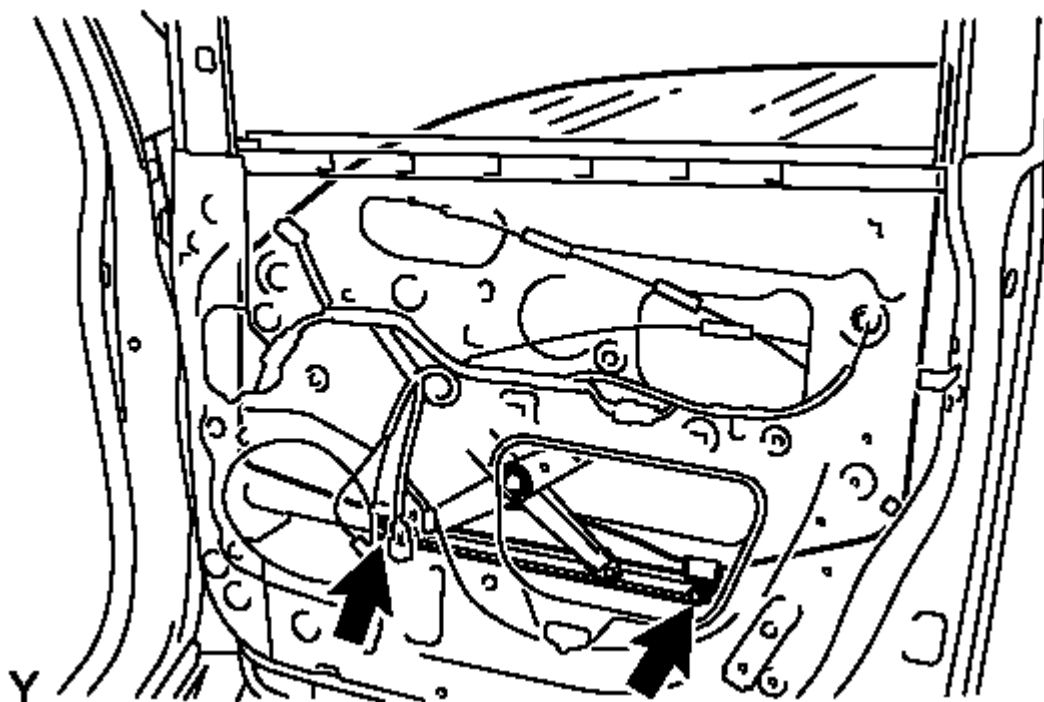


Fig. 91: Identifying Front Door Glass Sub-Assembly & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

17. INSTALL FRONT DOOR FRONT LOWER FRAME SUB-ASSEMBLY

- a. Install the front door front lower frame with the 3 bolts.

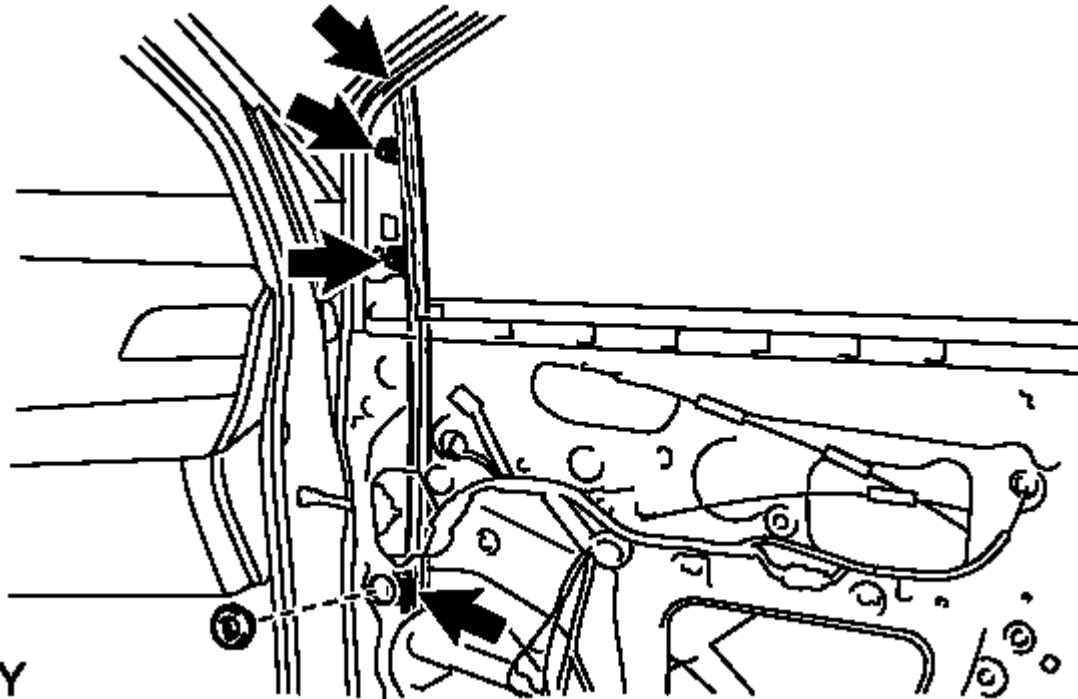


Fig. 92: Identifying Front Door Front Lower Frame Sub-Assembly & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

- b. Install the screw.
- c. Install the service hole cover.

18. INSTALL FRONT DOOR GLASS RUN

- a. Install the front door glass run.

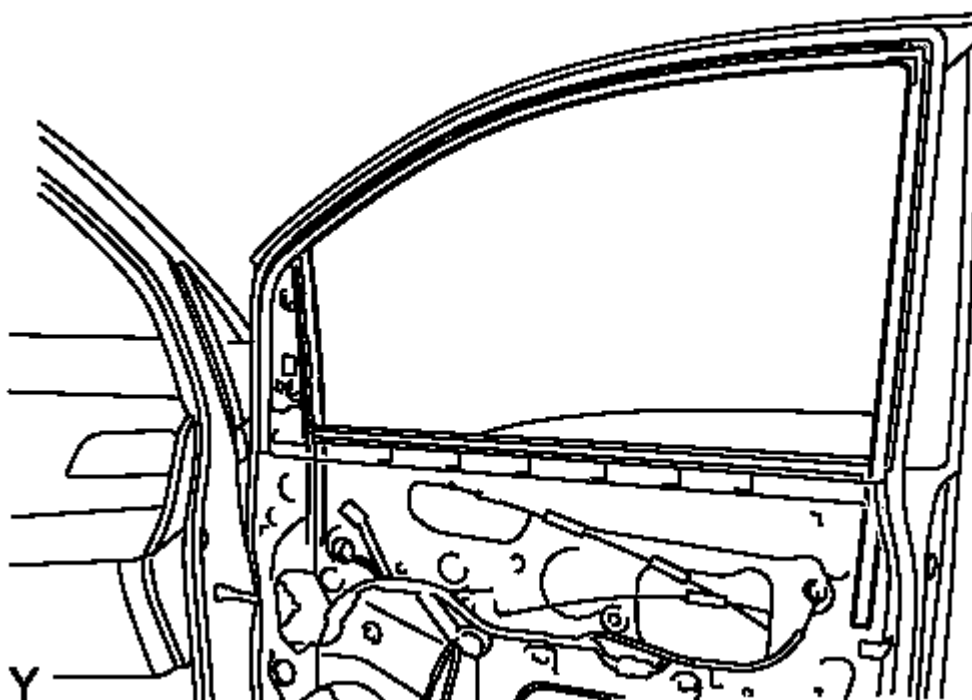
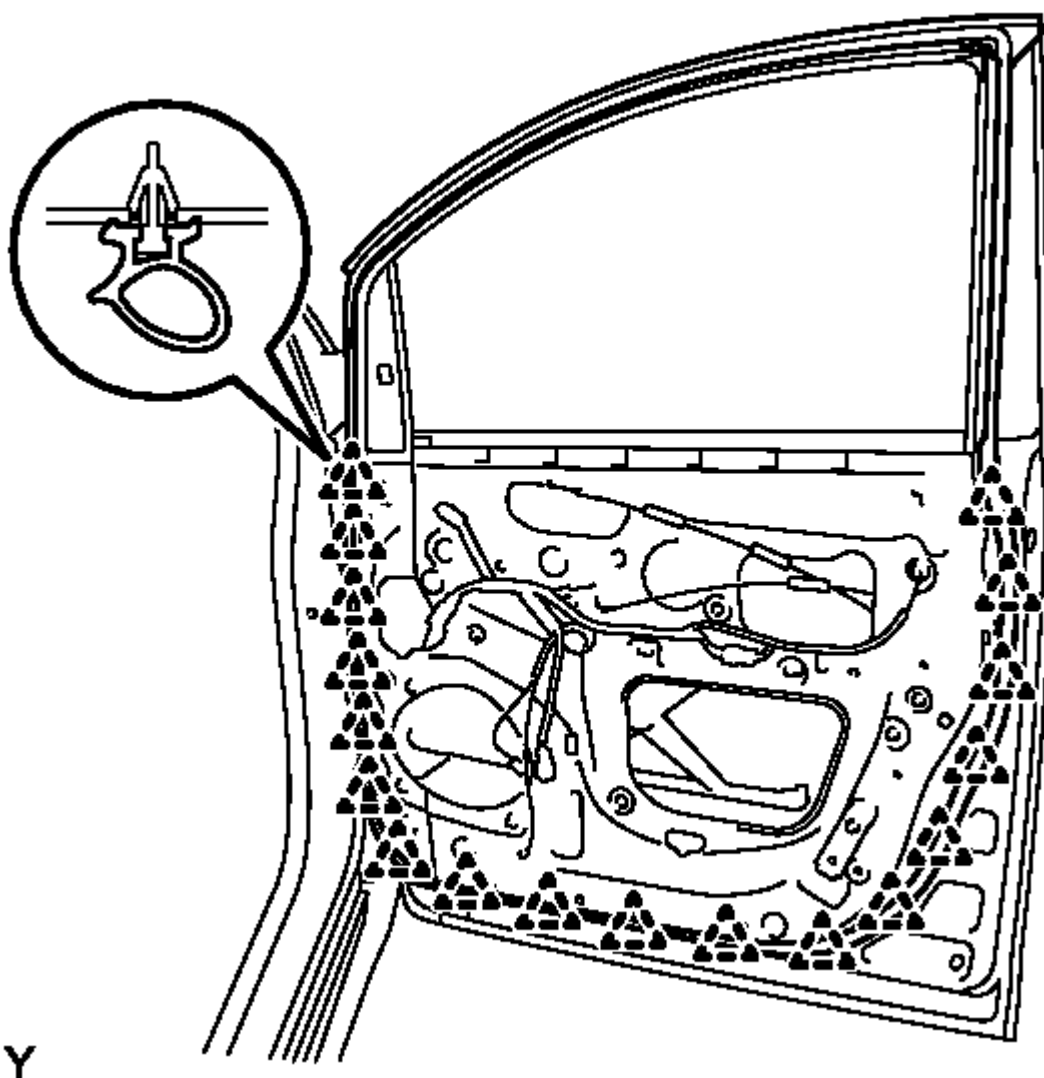


Fig. 93: Identifying Front Door Glass Run
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

19. INSTALL FRONT DOOR WEATHERSTRIP

- a. Engage the 18 clips and install the front door weatherstrip.



Y

Fig. 94: Identifying Front Door Weatherstrip & Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

20. INSTALL FRONT DOOR CHECK ASSEMBLY

- a. Apply MP grease to the sliding areas of the front door check.

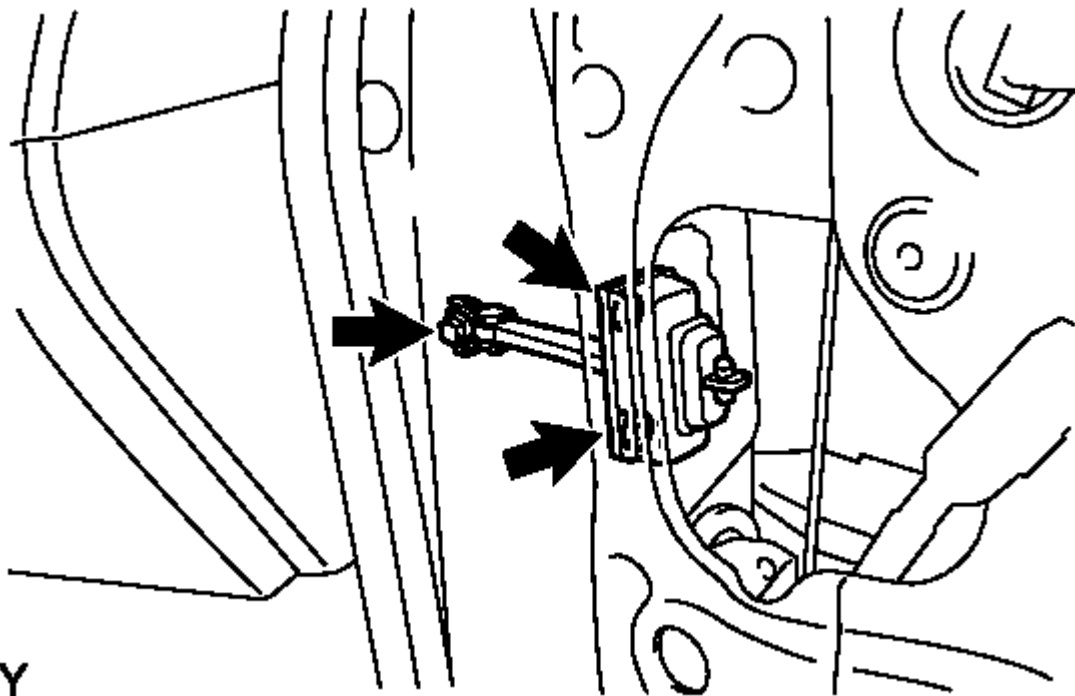


Fig. 95: Identifying Front Door Check Assembly & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Install the front door check onto the door panel with the 2 nuts.

Torque: 8.5 N*m (87 kgf*cm, 75 in.*lbf)

- c. Apply adhesive to the threads of the bolt.

NOTE: Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

- d. Install the front door check onto the body panel with the bolt.

Torque: 29 N*m (296 kgf*cm, 21 ft.*lbf)

21. INSTALL FRONT DOOR GLASS OUTER WEATHERSTRIP ASSEMBLY

HINT:

Use the same procedure as for the LH side. Refer to **INSTALLATION - Step 1** .

22. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY . Refer to **INSTALLATION - Step 3**

23. INSTALL FRONT DOOR SERVICE HOLE COVER

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

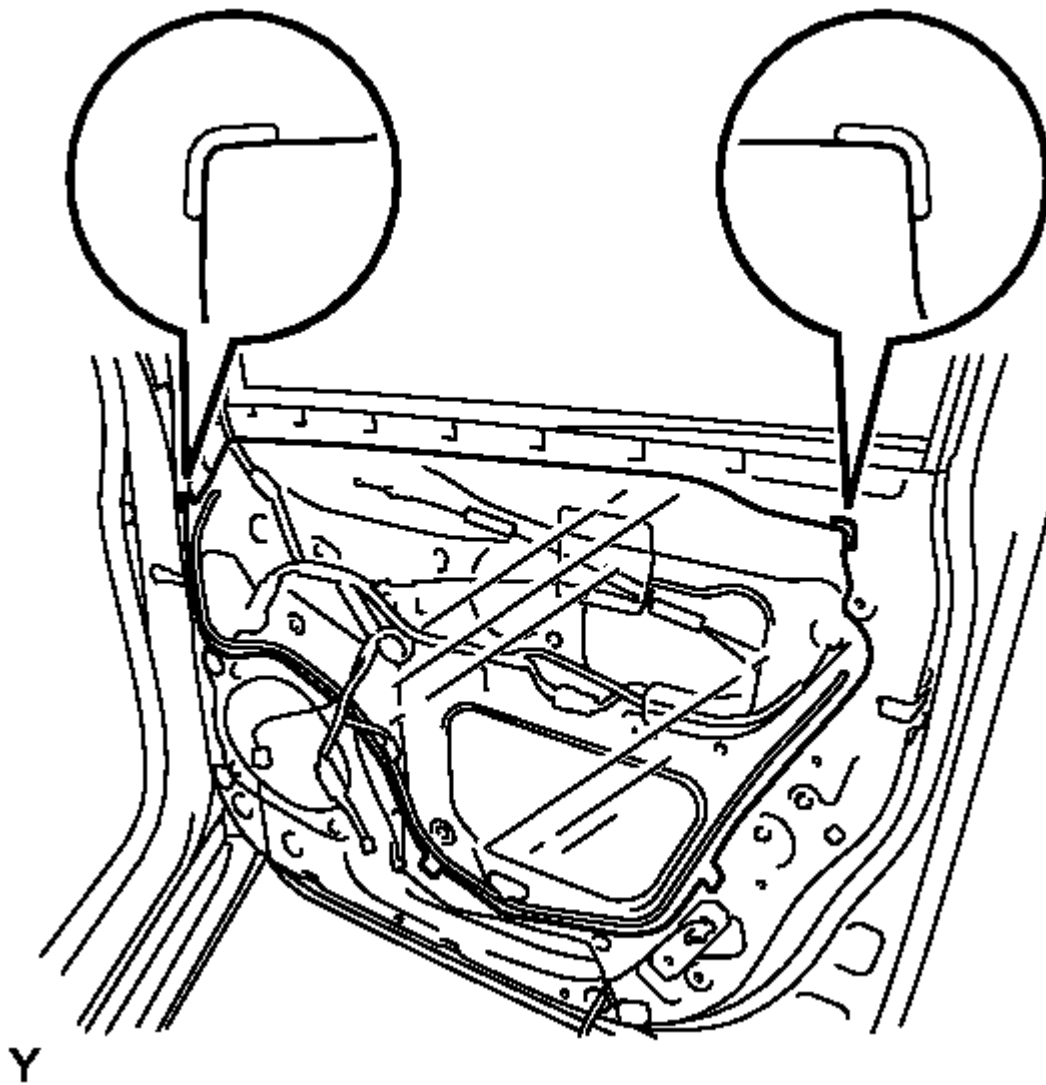


Fig. 96: Identifying Front Door Service Hole Cover
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

HINT:

- When installing the service hole cover, pull the links and connectors out through the service hole.
 - There should be no wrinkles or folds after attaching the service hole cover.
 - After attaching the service hole cover, check the quality of the seal.
- b. Engage the clamps and connect the connector.
- c. Install the ground wire with the bolt.

Torque: 8.5 N*m (87 kgf*cm, 75 in.*lbf)

24. INSTALL SIDE AIRBAG SENSOR . Refer to INSTALLATION - Step 1

25. **INSTALL FRONT NO. 1 SPEAKER ASSEMBLY** . Refer to INSTALLATION - Step 1
26. **INSTALL OUTER MIRROR CONTROL ECU ASSEMBLY (w/ Memory)** . Refer to INSTALLATION - Step 1
27. **INSTALL SEAT MEMORY SWITCH (for Driver Side with Memory)**

HINT:

Use the same procedure as for the LH side. Refer to INSTALLATION - Step 1 .

28. **INSTALL FRONT DOOR GLASS INNER WEATHERSTRIP**
 - a. Install the front door glass inner weatherstrip on the front door trim board and fold down the 8 claws, as shown in the illustration.

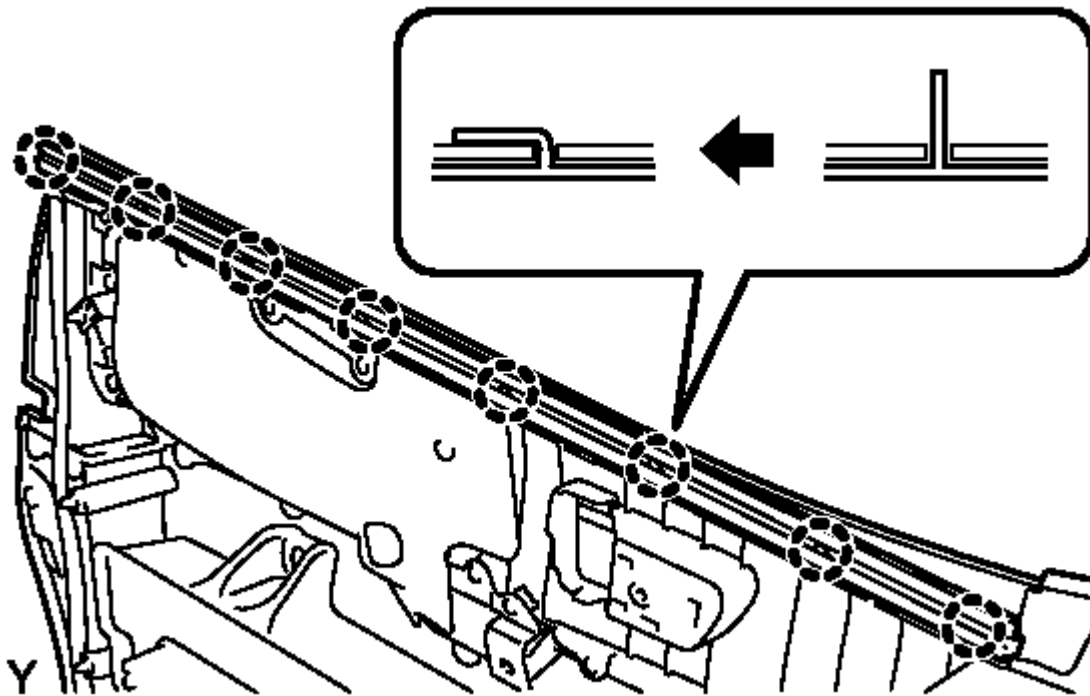
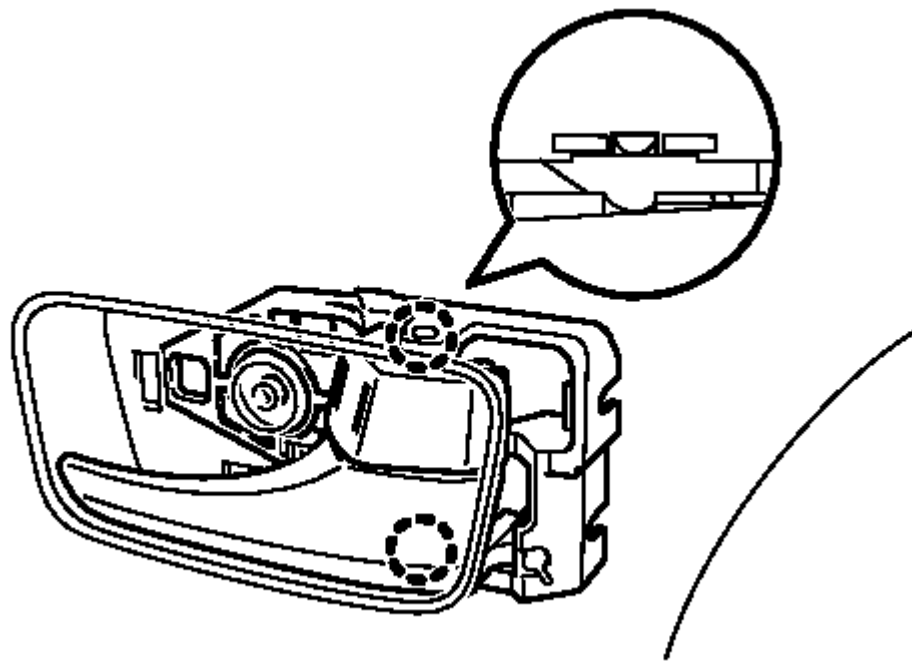


Fig. 97: Identifying Front Door Glass Inner Weatherstrip & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

29. **INSTALL FRONT DOOR INSIDE HANDLE SUB-ASSEMBLY**
 - a. Engage the 2 claws and install the front door inside handle.



Y

Fig. 98: Identifying Front Door Inside Handle Sub-Assembly & Claws
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

30. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY

- a. Connect the front door lock remote control cable and the front door inside locking cable.

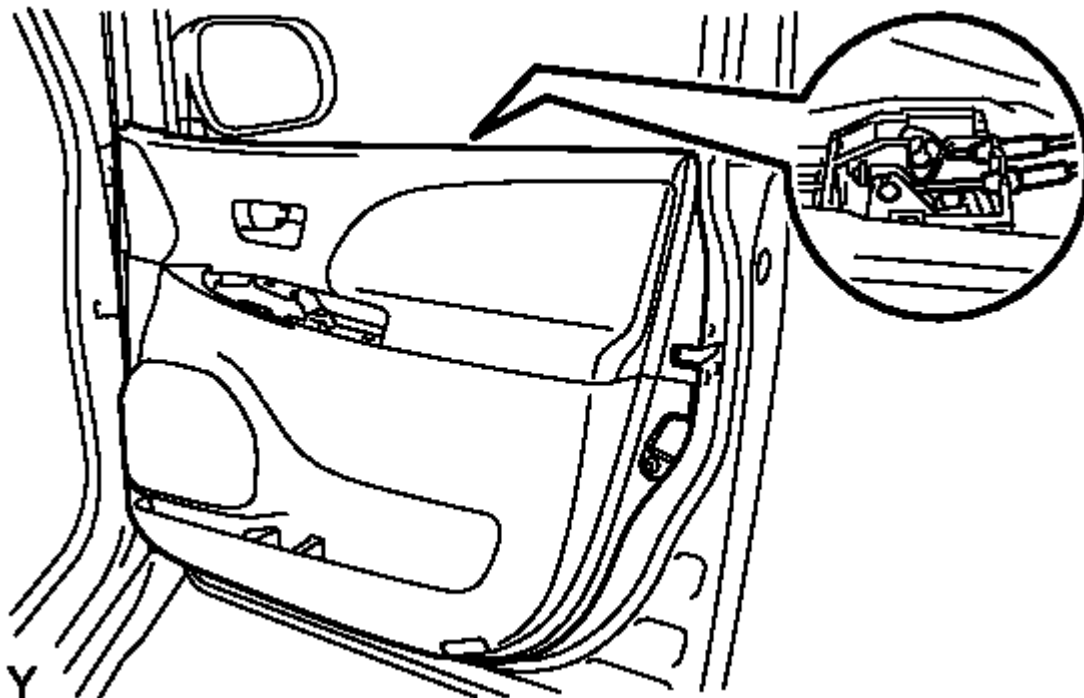


Fig. 99: Identifying Front Door Lock Remote Control Cable & Front Door Inside Locking

Cable

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Connect the connector.
- c. Engage the 10 clips and install the front door trim board.

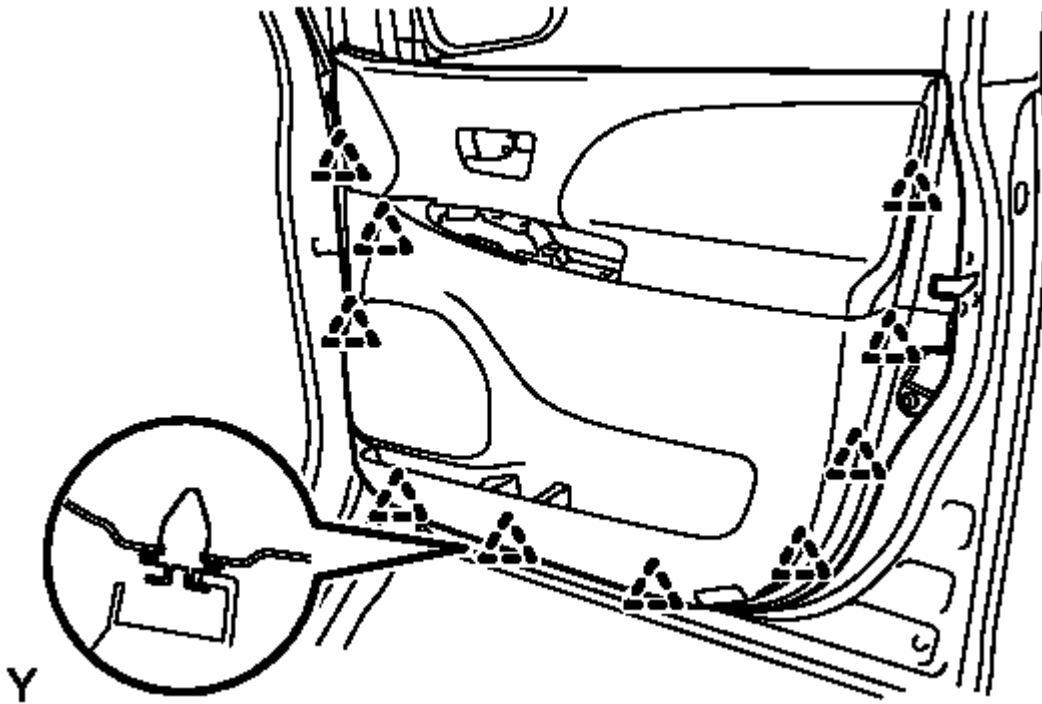


Fig. 100: Identifying Front Door Trim Board Sub-Assembly & Clips

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Tighten the 3 screws.

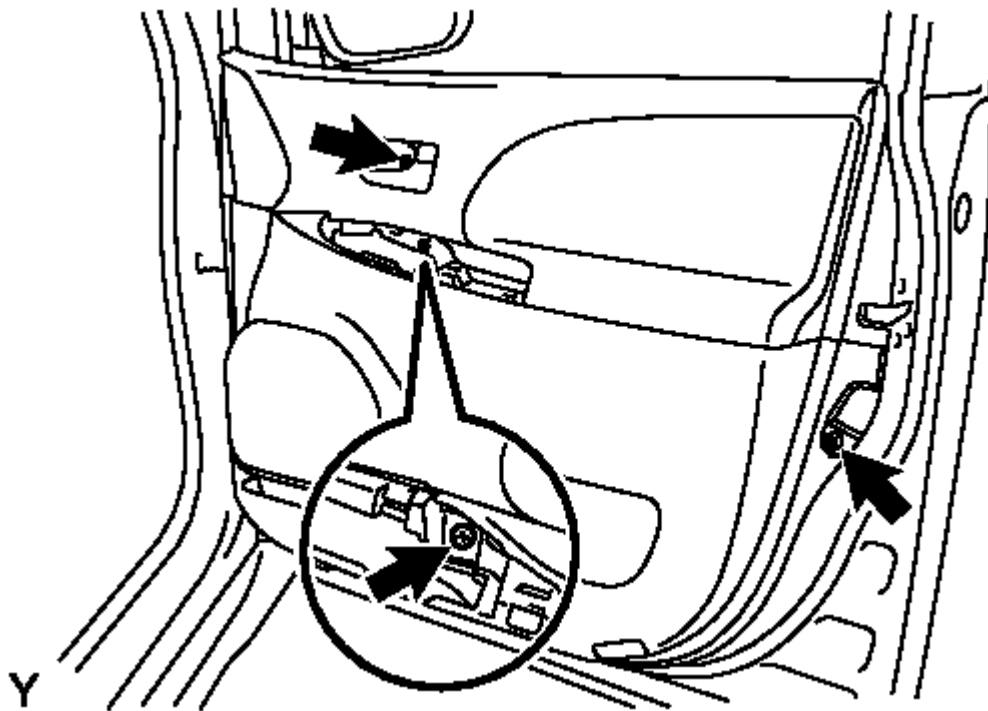


Fig. 101: Identifying Front Door Trim Board Sub-Assembly & Screws
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

31. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH

- a. Engage the 2 guides and the clip and install the front door lower frame bracket garnish.

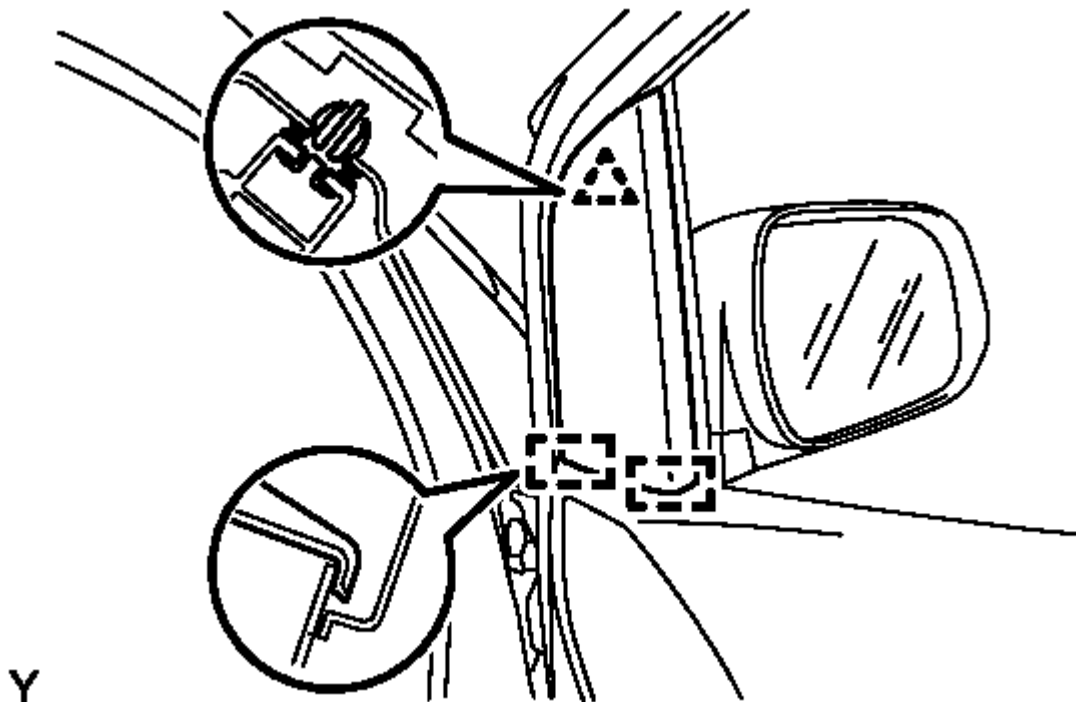


Fig. 102: Identifying Front Door Lower Frame Bracket Garnish & Fasteners

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

32. INSTALL FRONT DOOR INSIDE HANDLE BEZEL PLUG

- a. Engage the 3 claws and install the front door inside handle bezel plug.

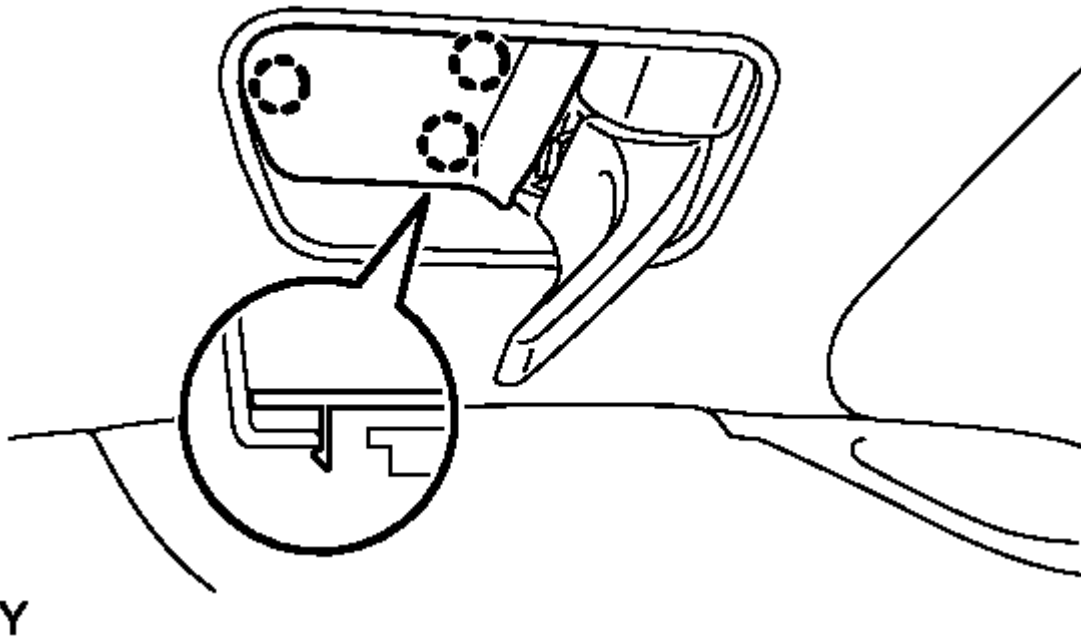
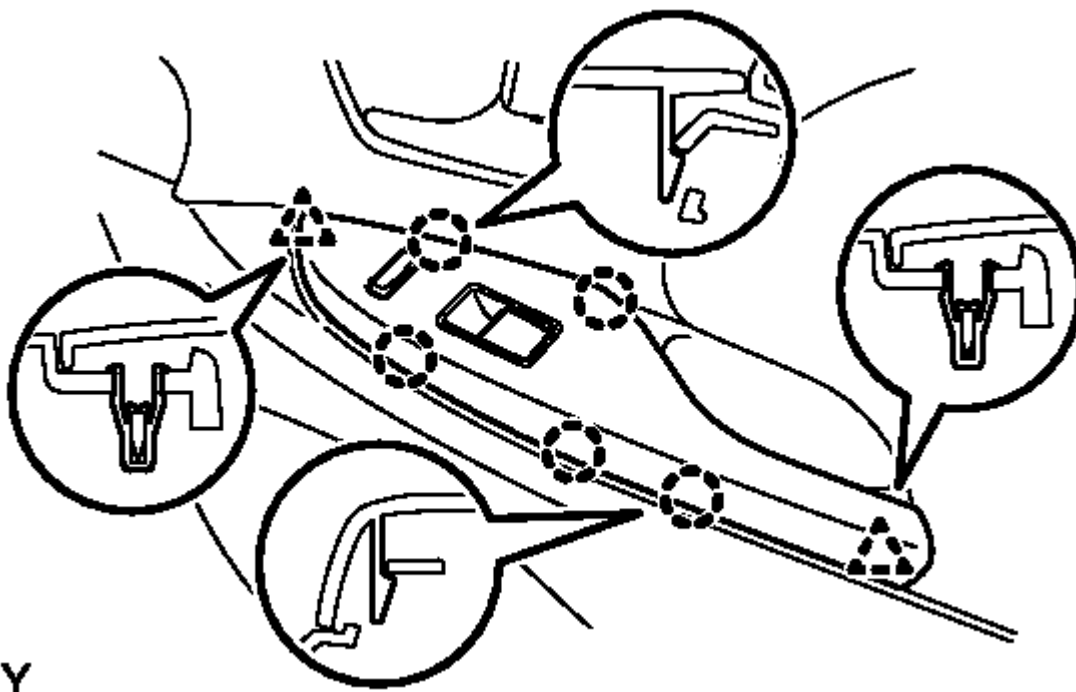


Fig. 103: Identifying Front Door Inside Handle Bezel Plug & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

33. INSTALL FRONT DOOR ARMREST BASE PANEL ASSEMBLY

- a. Engage the 5 claws and 2 clips and install the front door armrest base panel.



Y

Fig. 104: Identifying Front Door Armrest Base Panel Assembly & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

34. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

NOTE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to INITIALIZATION .

SLIDE DOOR

COMPONENTS

ILLUSTRATION

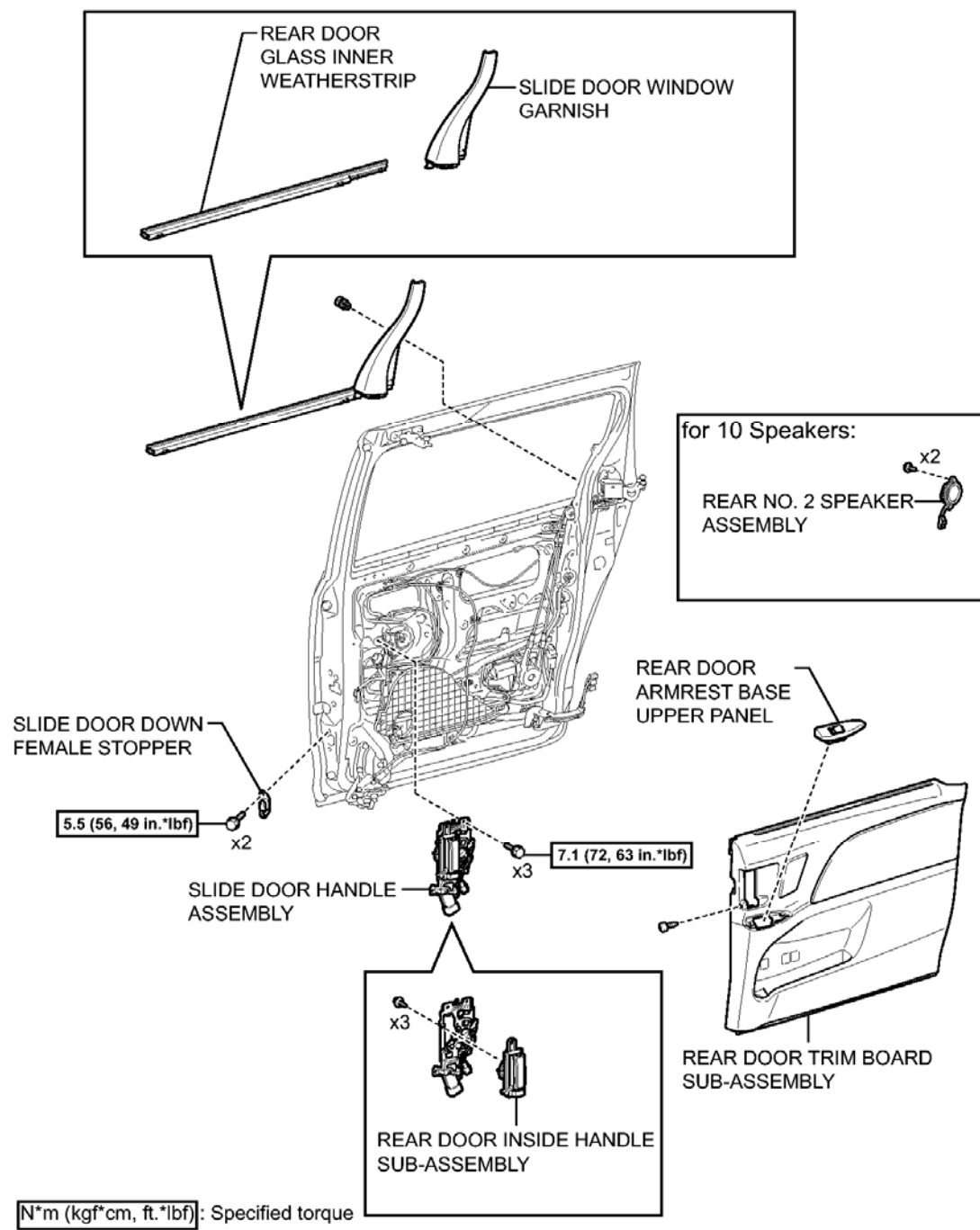


Fig. 105: Slide Door Replacement Components With Torque Specifications (1 Of 5)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION

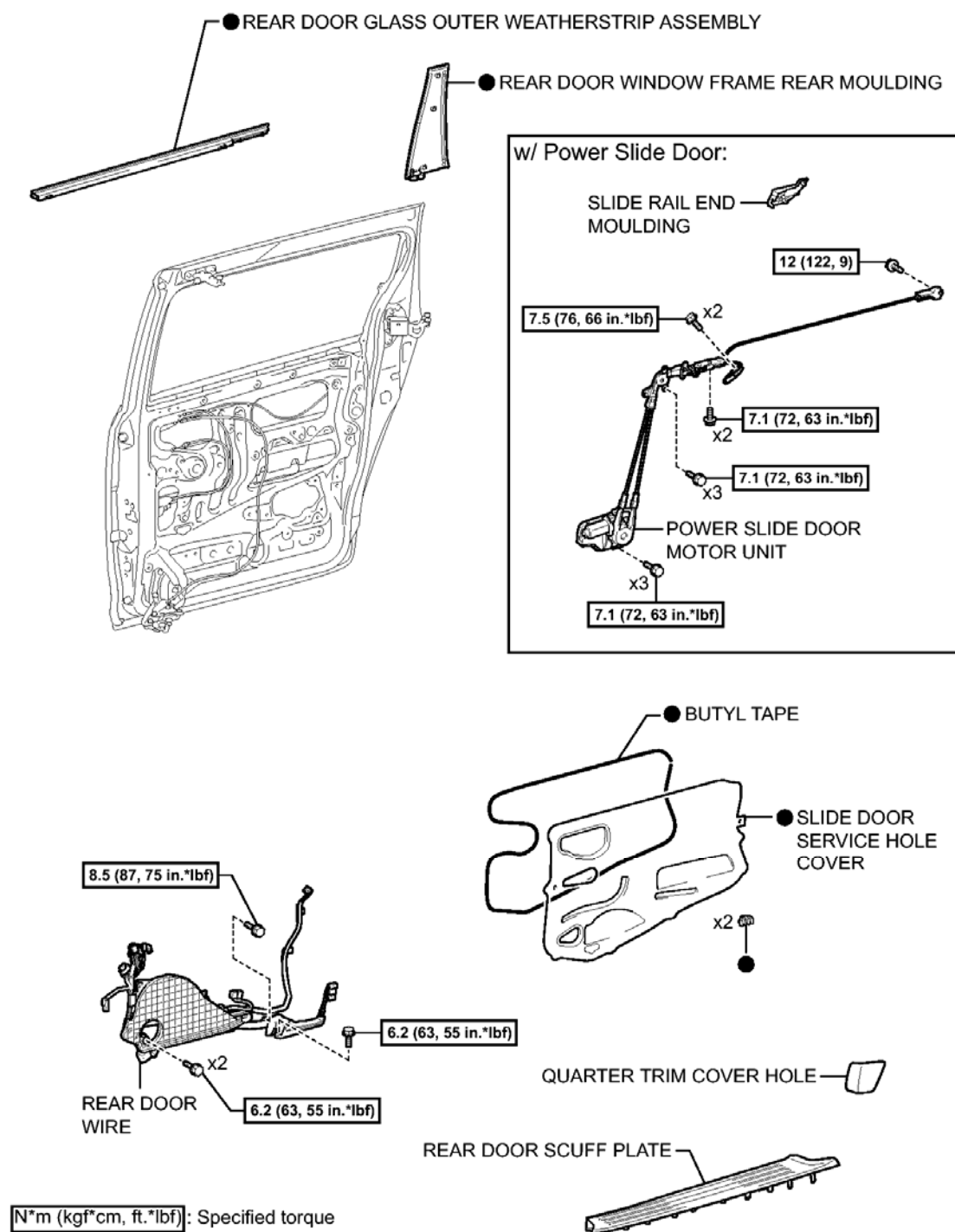
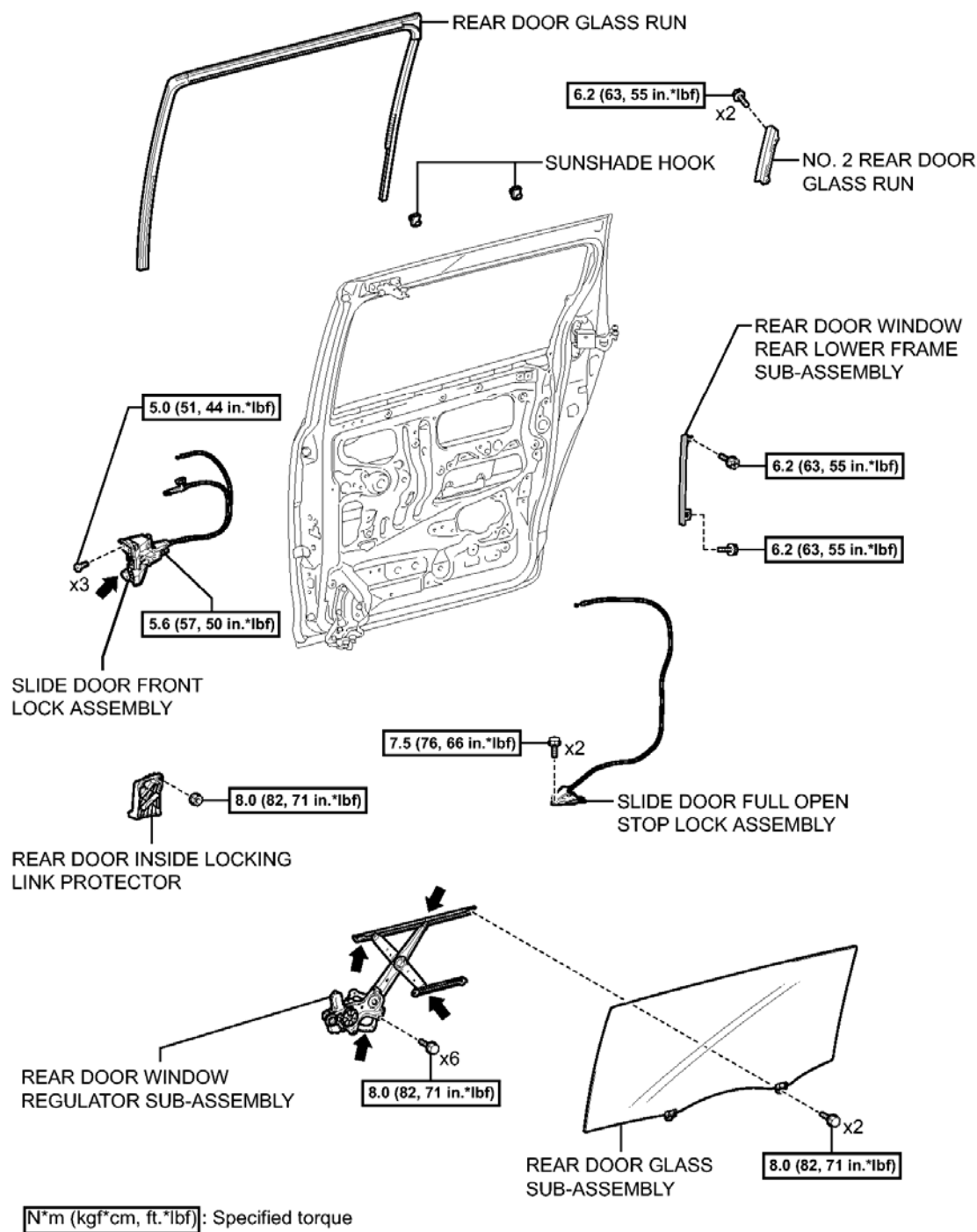


Fig. 106: Slide Door Replacement Components With Torque Specifications (2 Of 5)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION

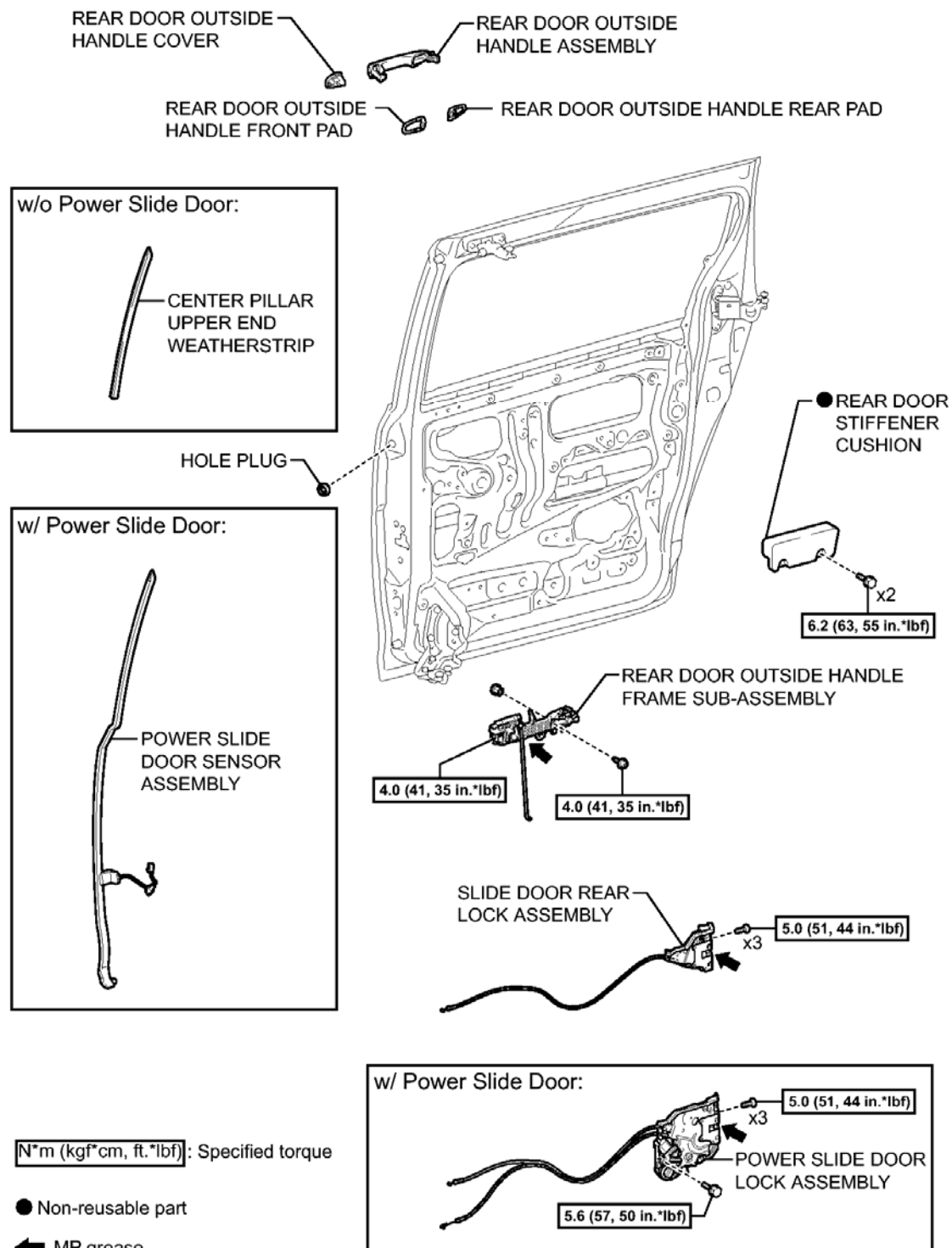


MP grease

P

Fig. 107: Slide Door Replacement Components With Torque Specifications (3 Of 5)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

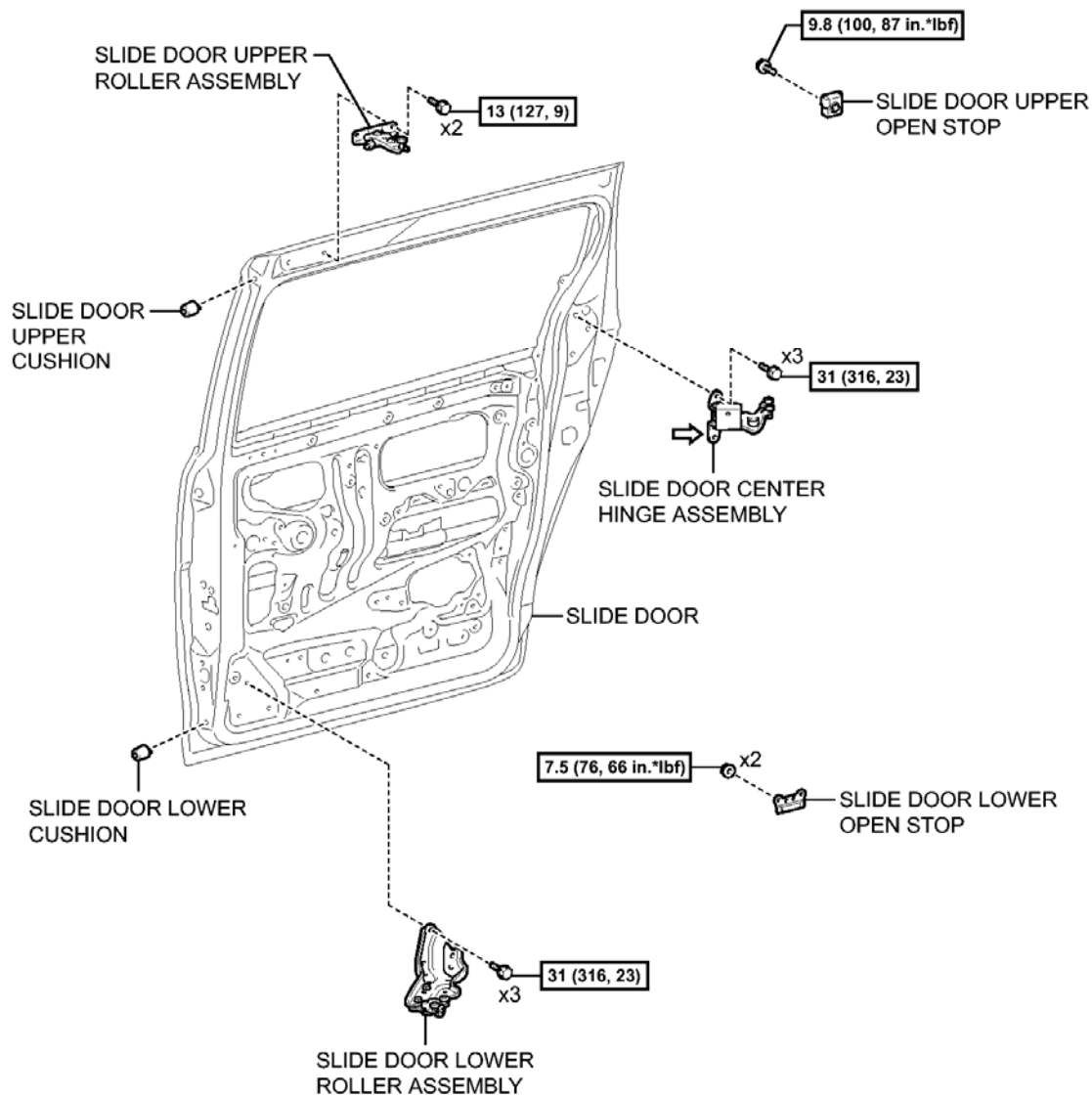
ILLUSTRATION



P

Fig. 108: Slide Door Replacement Components With Torque Specifications (4 Of 5)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION



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

↩ Anti-rust coating

P

Fig. 109: Slide Door Replacement Components With Torque Specifications (5 Of 5)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DISASSEMBLY

DISASSEMBLY

HINT:

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

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

NOTE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to INITIALIZATION .

2. REMOVE REAR DOOR ARMREST BASE UPPER PANEL

- a. Using a moulding remover, disengage the claw and 2 clips and remove the rear door armrest base panel.

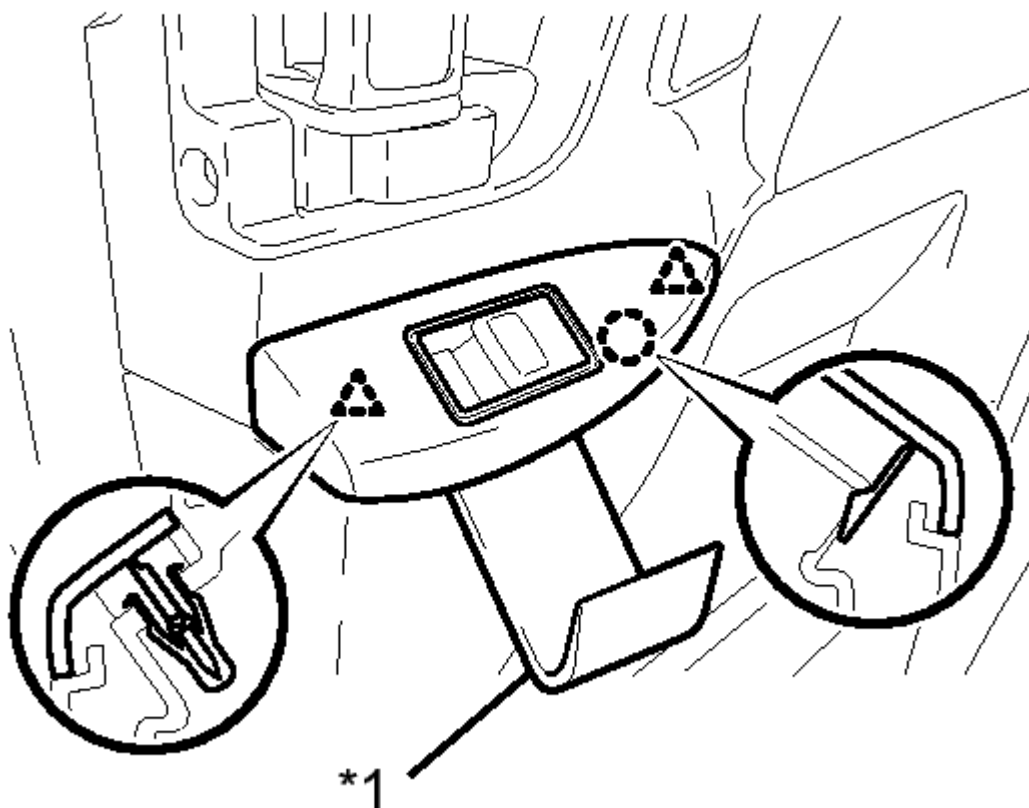


Fig. 110: Removing Rear Door Armrest Base Upper Panel & Clips Using A Moulding Remover

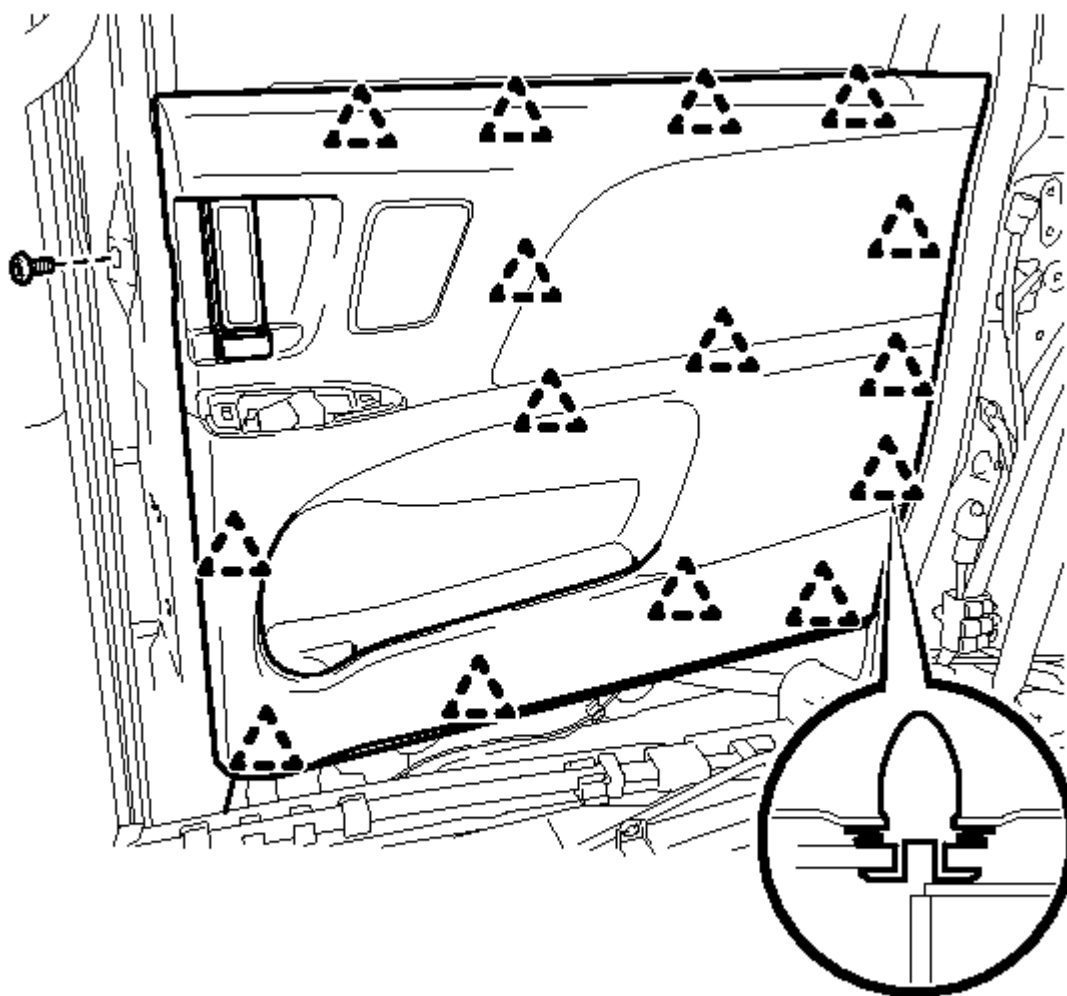
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION



3. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY

- a. Move the door inside handle knob to the lock position.



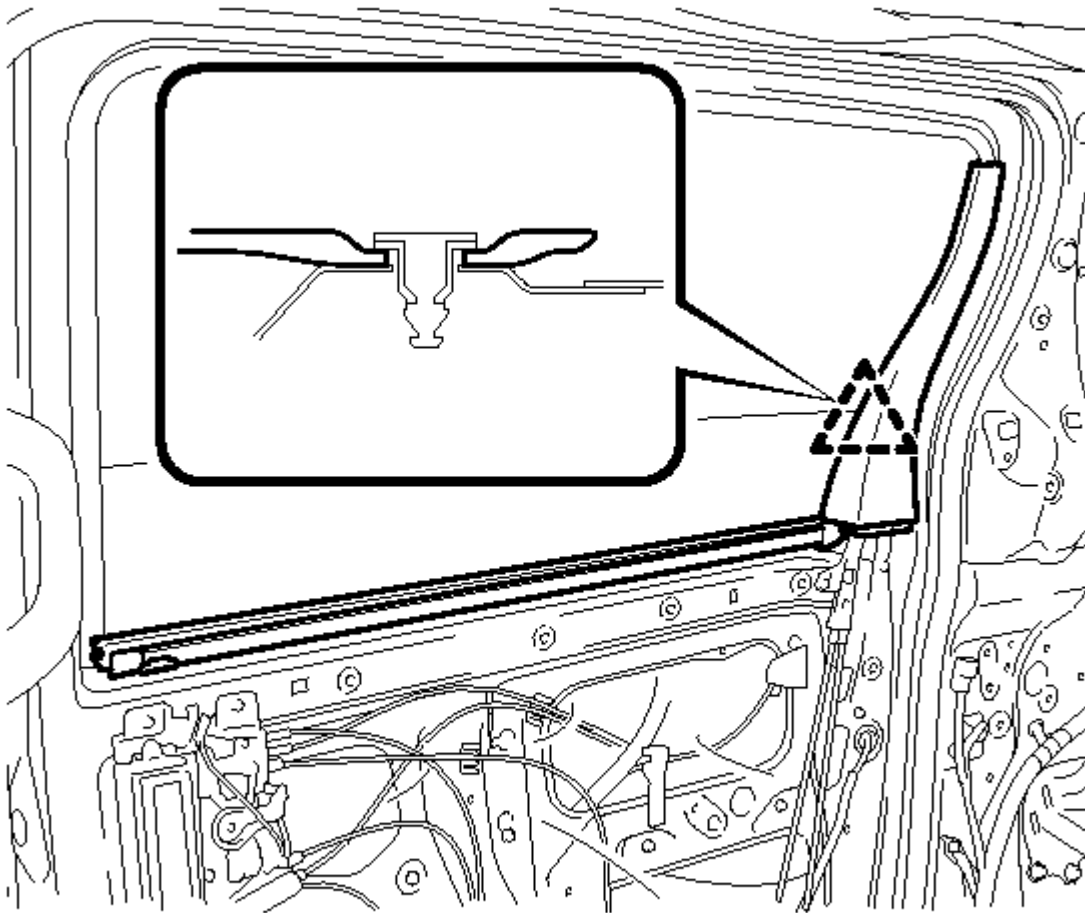
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Fig. 111: Identifying Rear Door Trim Board Sub-Assembly, Clips & Screw

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Using a T25 "TORX" socket wrench, remove the screw.

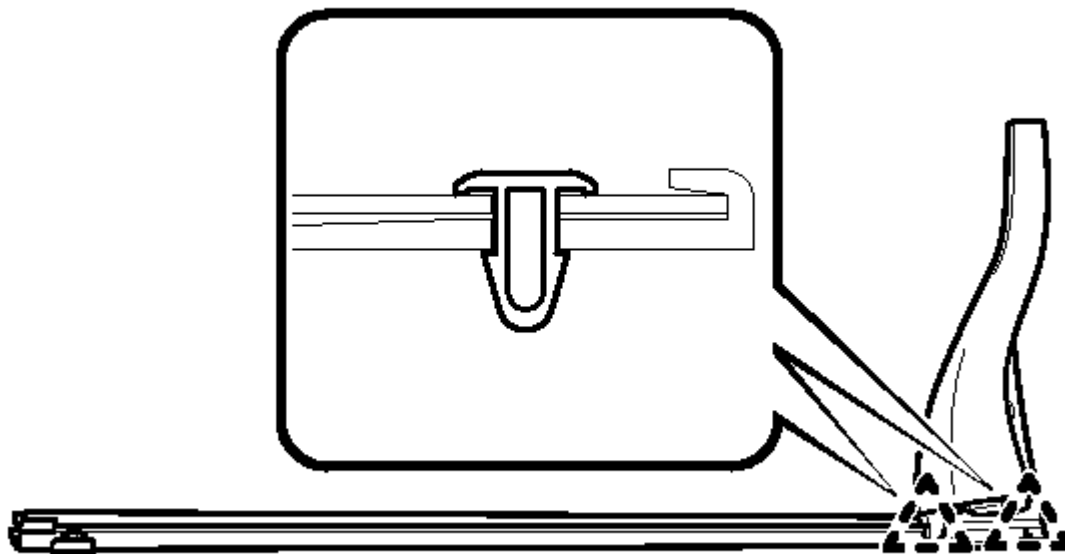
- c. Disengage the 15 clips.
- d. Disconnect the connectors.
- 4. **REMOVE REAR NO. 2 SPEAKER ASSEMBLY (for 10 Speakers)** . Refer to **REMOVAL - Step 3**
- 5. **REMOVE REAR DOOR GLASS INNER WEATHERSTRIP**
 - a. Remove the clip and the rear door glass weatherstrip inner with slide door window garnish.



P

Fig. 112: Identifying Rear Door Glass Inner Weatherstrip & Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- 6. **REMOVE SLIDE DOOR WINDOW GARNISH**
 - a. Disengage the 2 clips, claw and remove the slide door window garnish from the rear door glass inner weatherstrip.

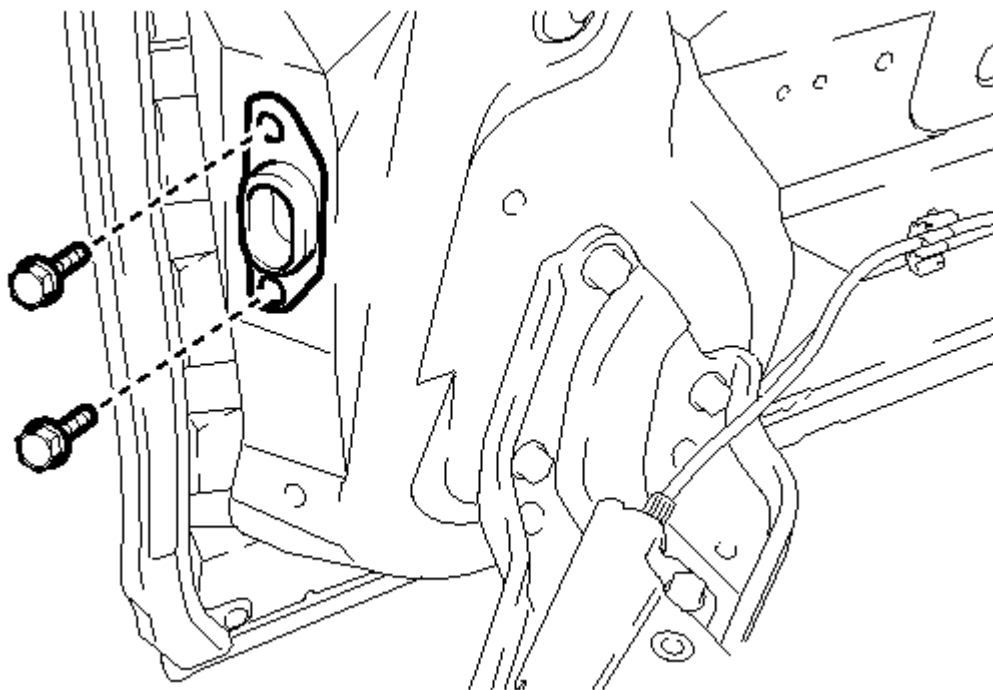


P

Fig. 113: Identifying Slide Door Window Garnish & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

7. REMOVE SLIDE DOOR DOWN FEMALE STOPPER

- a. Remove the 2 bolts and slide door down female stopper.

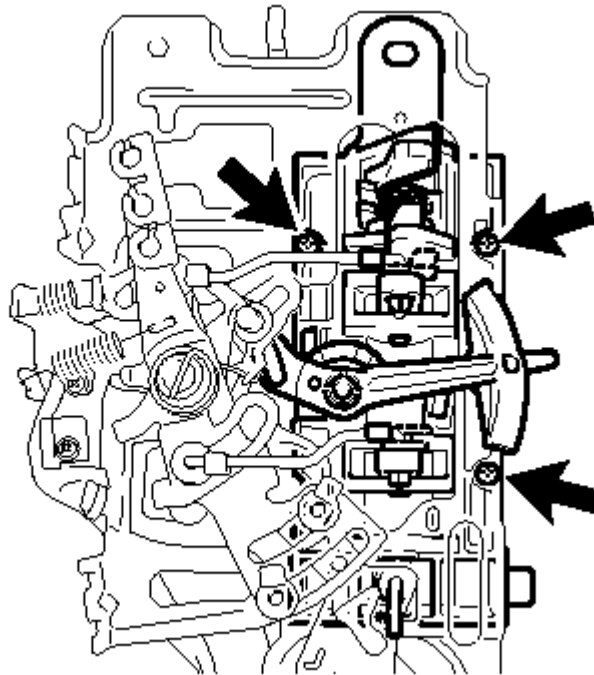


P

Fig. 114: Identifying Slide Door Down Female Stopper & Bolts

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

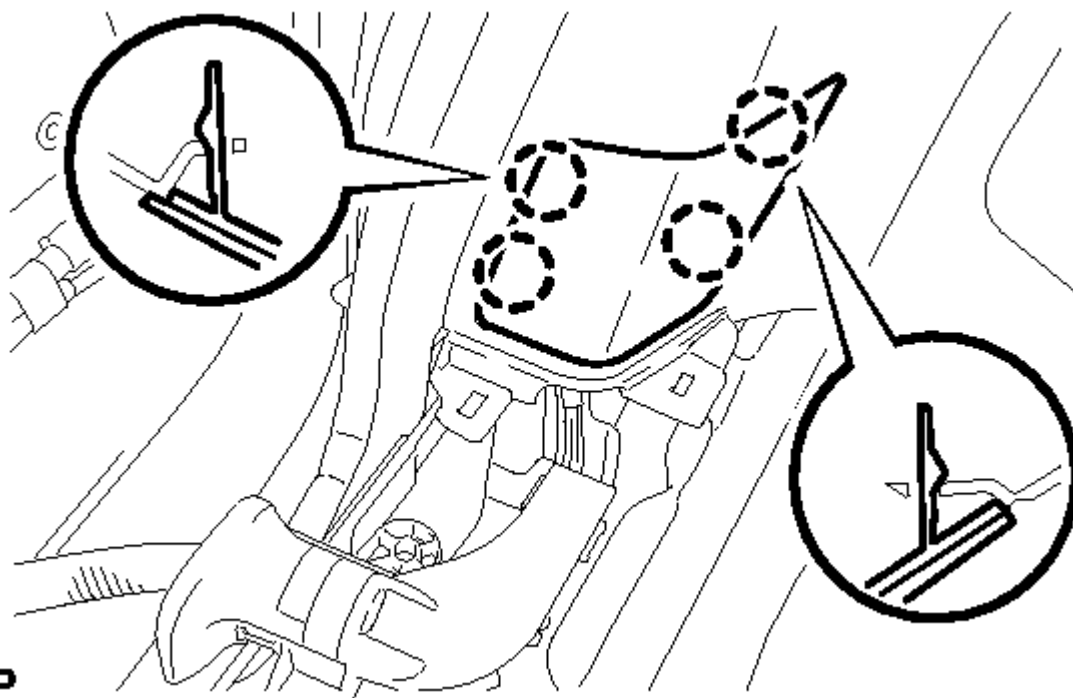
8. **REMOVE SLIDE DOOR HANDLE ASSEMBLY (w/o Power Slide Door)** . Refer to **REMOVAL - Step 4**
9. **REMOVE SLIDE DOOR HANDLE ASSEMBLY (w/ Power Slide Door)** . Refer to **REMOVAL - Step 5**
10. **REMOVE REAR DOOR INSIDE HANDLE SUB-ASSEMBLY**
 - a. Remove the 3 screws.



P

Fig. 115: Identifying Rear Door Inside Handle Sub-Assembly & Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

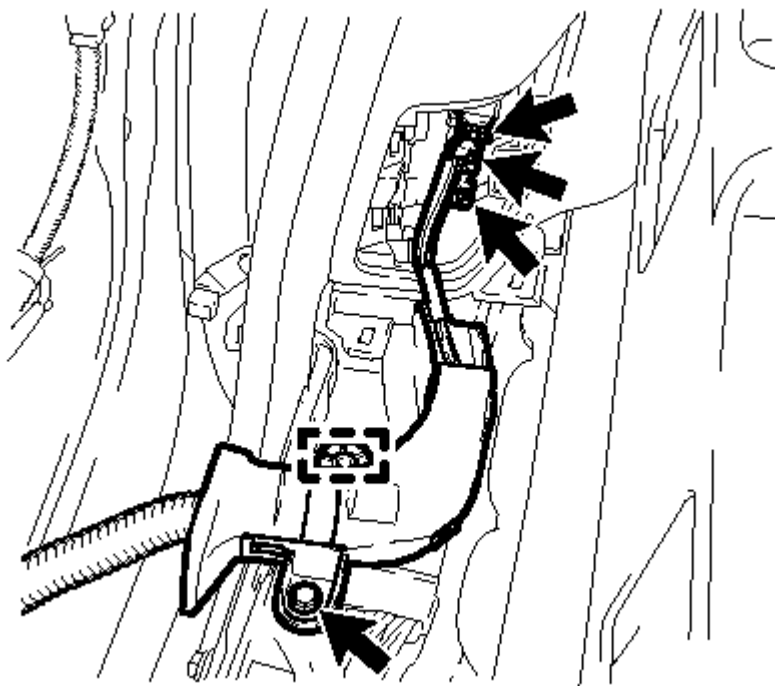
- b. Disconnect each rod and remove the rear door inside handle from the slide door lock remote control.
11. **REMOVE REAR DOOR SCUFF PLATE** . Refer to **REMOVAL - Step 13**
12. **REMOVE QUARTER TRIM COVER HOLE**
 - a. Disengage the 4 claws and remove the quarter trim cover hole.



P

Fig. 116: Identifying Quarter Trim Cover Hole & Claws
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

13. **REMOVE REAR DOOR WIRE (w/o Power Slide Door)**
 - a. Disengage the connectors.



P

Fig. 117: Identifying Rear Door Wire, Connectors & Fasteners

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the bolt and disengage the guide.
- c. Remove the bolt and disconnect the ground wire.

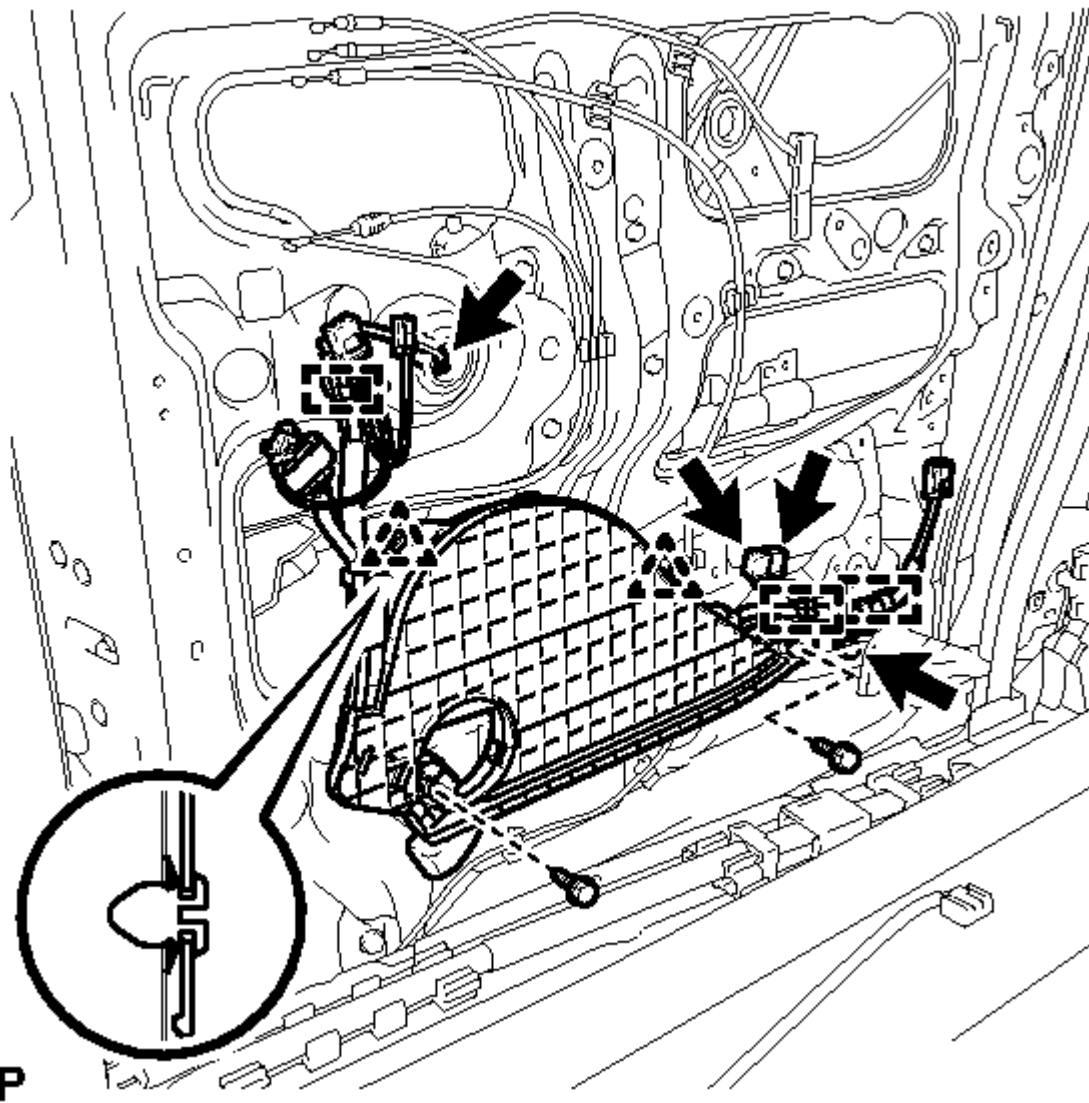
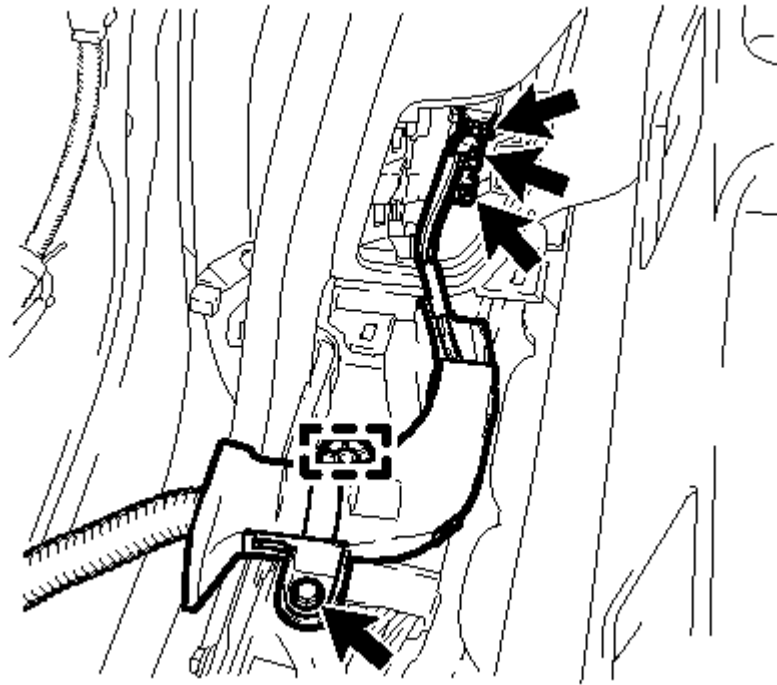


Fig. 118: Identifying Rear Door Wire Connectors & Fasteners (w/o Power Slide Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Disconnect the connectors.
 - e. Remove the 3 clamps.
 - f. Remove the 2 bolts.
 - g. Disengage the 2 clips and remove the rear door wire.
14. **REMOVE REAR DOOR WIRE (w/ Power Slide Door)**
- a. Disengage the connectors.



P

Fig. 119: Identifying Rear Door Wire, Connectors & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the bolt and disengage the guide.
- c. Remove the bolt and disconnect the ground wire.

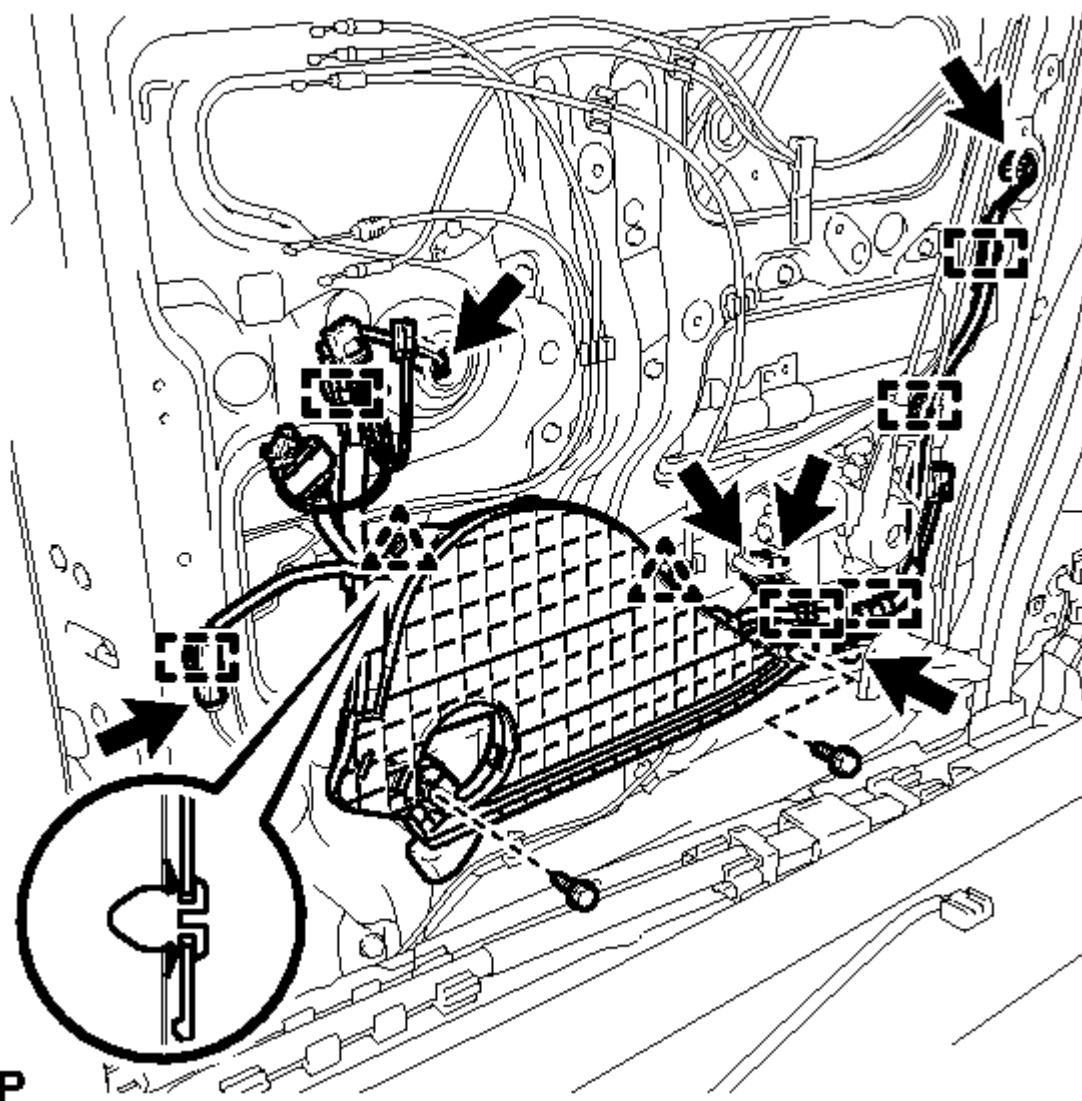
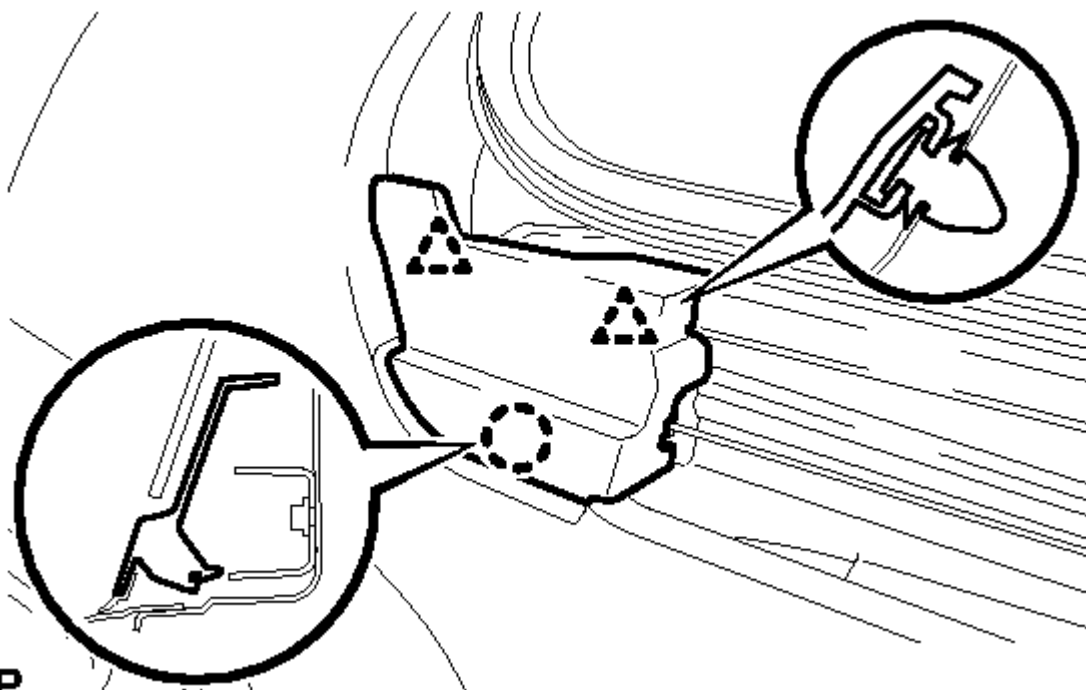


Fig. 120: Identifying Rear Door Wire Connectors & Fasteners (w/ Power Slide Door)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

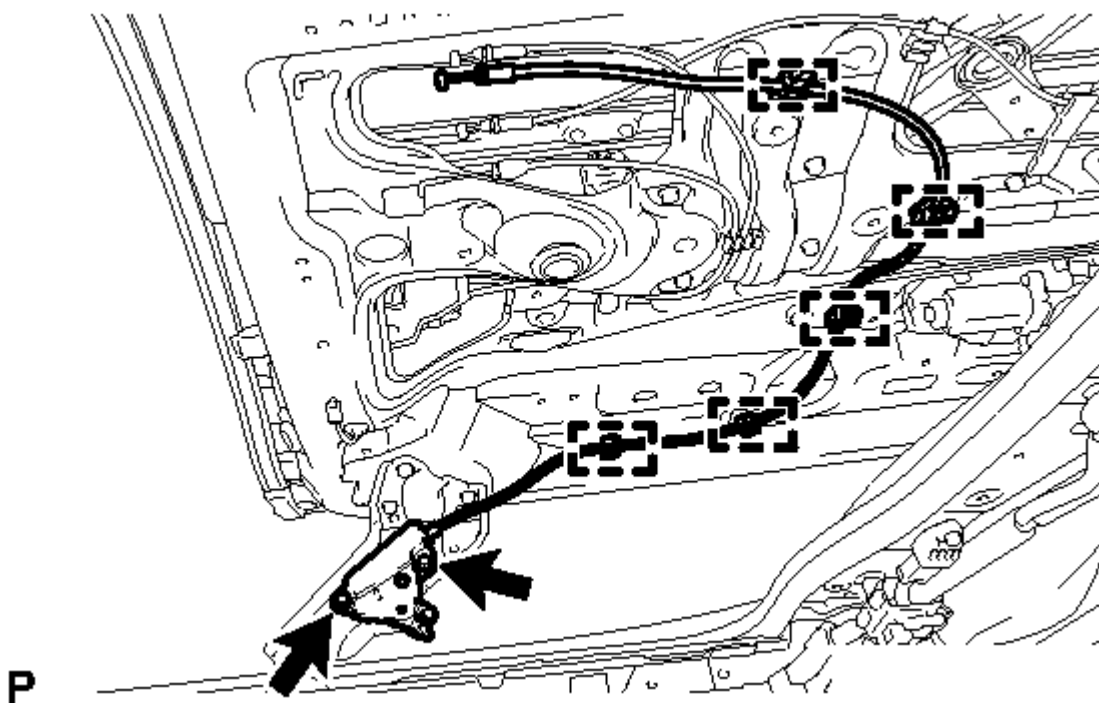
- d. Disconnect the connectors.
- e. Remove the 6 clamps.
- f. Remove the 2 bolts.
- g. Disengage the 2 clips and remove the rear door No. 1 wire.
15. **REMOVE QUARTER WINDOW GLASS (w/ Power Slide Door)**
 Refer to **REMOVAL**
16. **REMOVE SLIDE RAIL END MOULDING (w/ Power Slide Door)**
 - a. Disengage the 2 clips and claw and remove the slide rail end moulding.



P

Fig. 121: Identifying Slide Rail End Moulding & Fasteners (w/ Power Slide Door)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

17. **REMOVE POWER SLIDE DOOR MOTOR UNIT (w/ Power Slide Door)** See step 6
18. **REMOVE SLIDE DOOR FULL OPEN STOP LOCK ASSEMBLY**
 - a. Disengage the 5 clamps.



P

Fig. 122: Identifying Slide Door Full Open Stop Lock Assembly, Clamps & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the 2 bolts and slide door full open stop lock.
19. **REMOVE SLIDE DOOR SERVICE HOLE COVER**
- a. Disengage the 2 clamps.
 - b. Remove the slide door service hole cover.

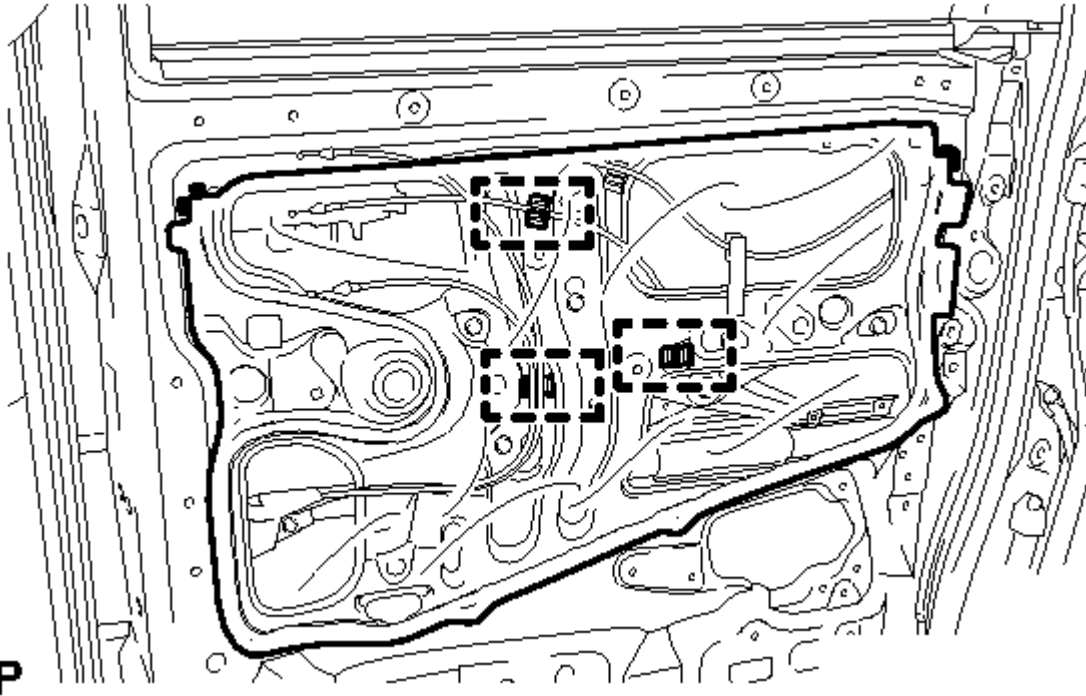


Fig. 123: Identifying Slide Door Service Hole Cover & Clamps
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Remove the remaining butyl tape on the door.

- c. Disengage the clamp.
20. **REMOVE REAR DOOR WINDOW FRAME REAR MOULDING**

HINT:

Use the same procedure as for the LH side. Refer to **REMOVAL - Step 1** .

21. **REMOVE REAR DOOR GLASS OUTER WEATHERSTRIP ASSEMBLY**

HINT:

Use the same procedure as for the LH side. Refer to **REMOVAL - Step 2** .

22. REMOVE REAR DOOR GLASS RUN

- a. Remove the rear door glass run.

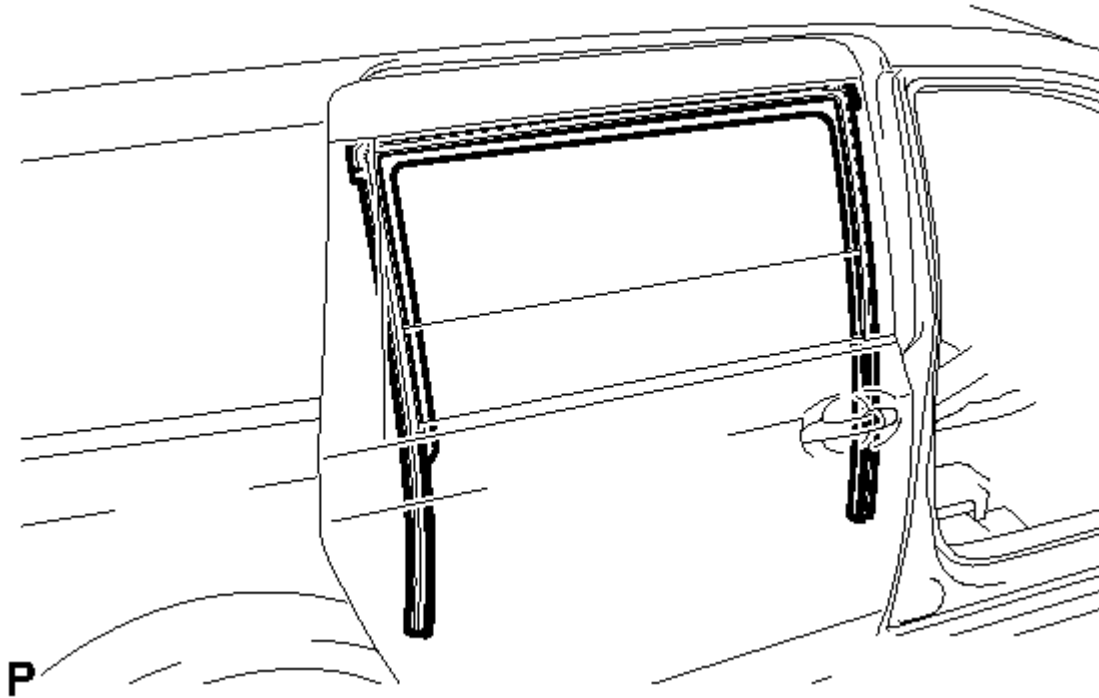
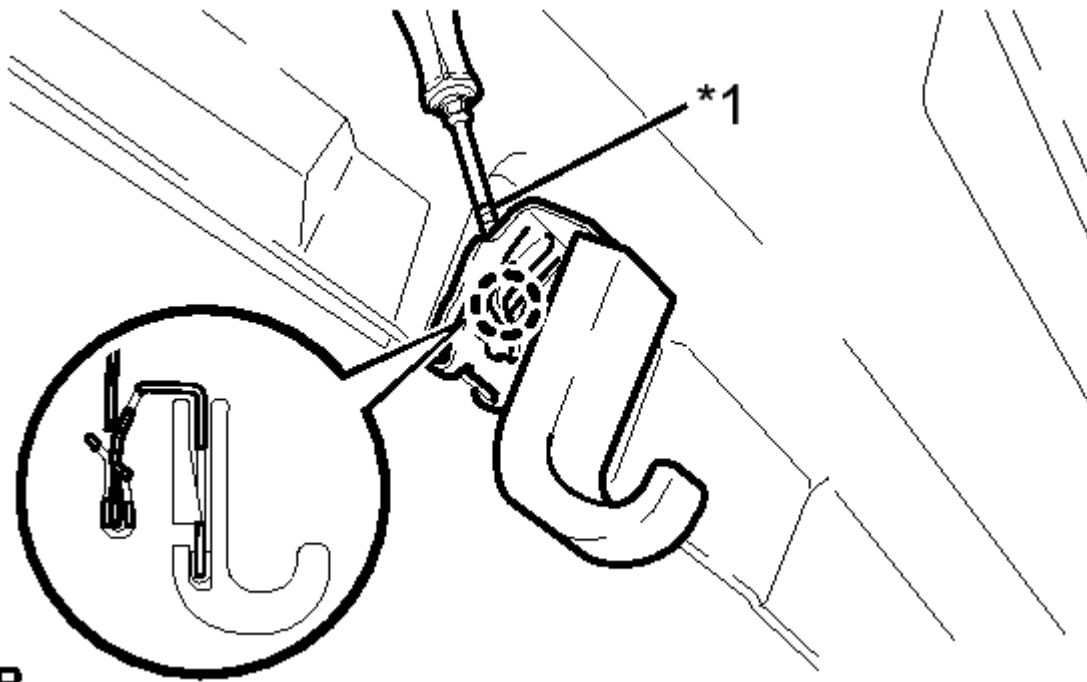


Fig. 124: Identifying Rear Door Glass Run

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

23. REMOVE SUNSHADE HOOK

- a. Using a screwdriver with its tip wrapped in protective tape, disengage the claw and remove the sunshade hook.



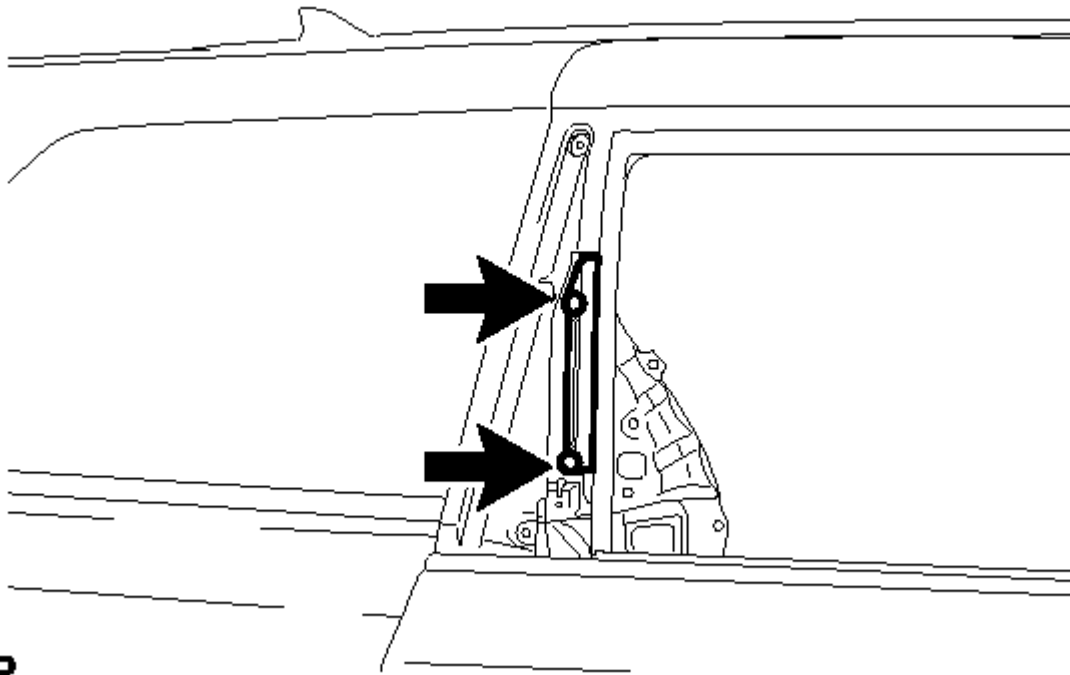
P

Fig. 125: Removing Sunshade Hook & Claw Using A Screwdriver
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Protective Tape
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24. **REMOVE NO. 2 REAR DOOR GLASS RUN**
 - a. Remove the 2 bolts and No. 2 rear door glass run.

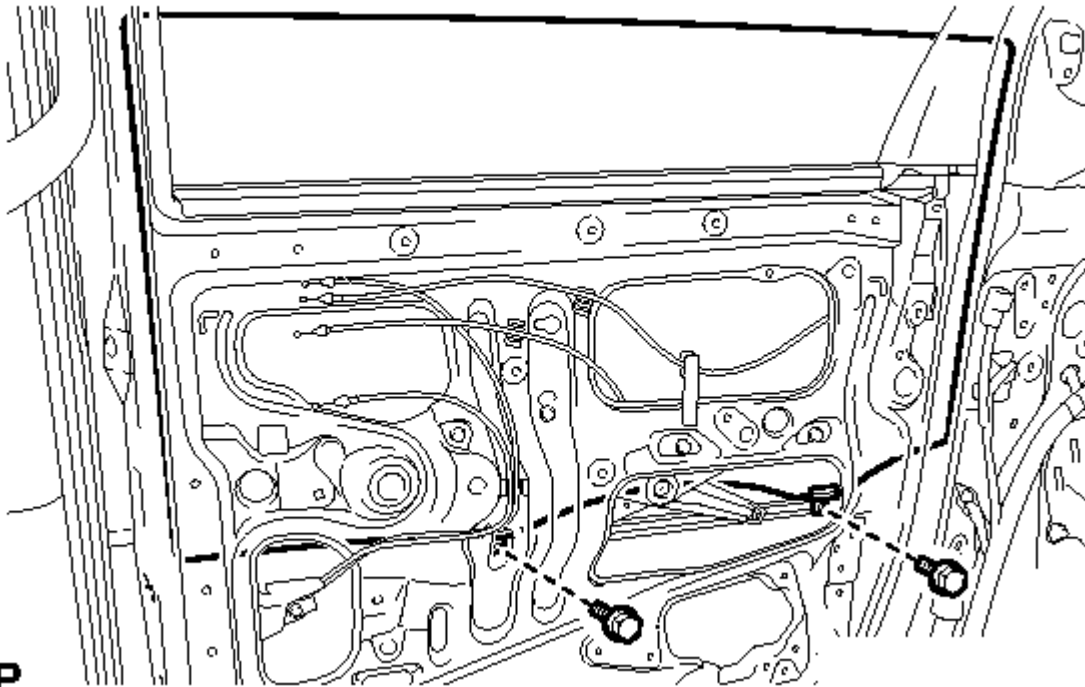


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Fig. 126: Identifying No. 2 Rear Door Glass Run & Bolts
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

25. REMOVE REAR DOOR GLASS SUB-ASSEMBLY

- a. Remove the 2 bolts.



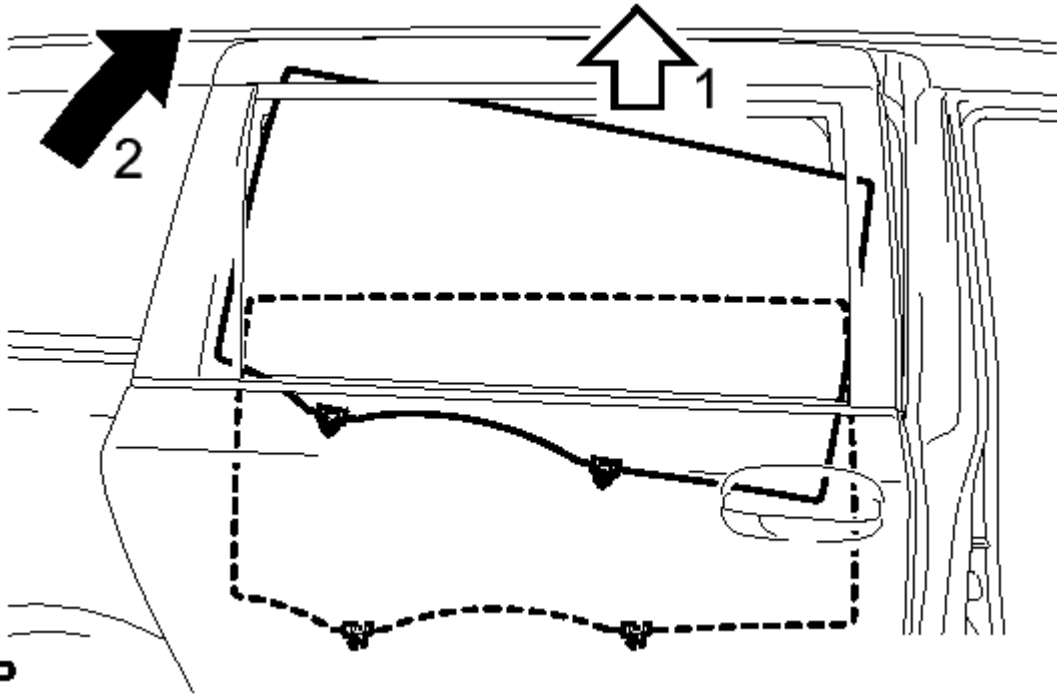
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Fig. 127: Identifying Rear Door Glass Sub-Assembly & Bolts

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

- b. Remove the rear door glass as shown in the illustration.



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Fig. 128: Removing Rear Door Glass Sub-Assembly
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Do not damage the door glass.

26. REMOVE REAR DOOR WINDOW REGULATOR SUB-ASSEMBLY

- a. Loosen the A bolt.

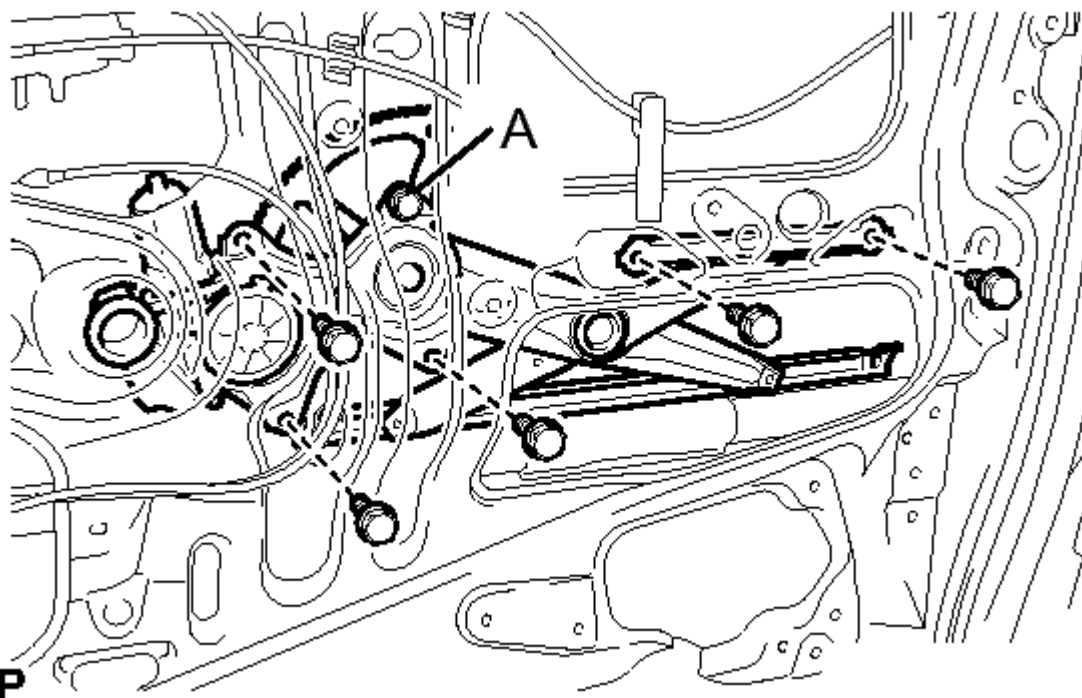


Fig. 129: Identifying Rear Door Window Regulator Sub-Assembly & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Do not remove the temporary bolt. If the temporary bolt is removed, the rear door window regulator may fall and get damaged.

- b. Remove the 5 bolts.
 - c. Remove the rear door window regulator.
 - d. Remove the temporary bolt from the rear door window regulator.
27. **REMOVE REAR DOOR WINDOW REAR LOWER FRAME SUB-ASSEMBLY**
- a. Remove the 2 bolts and rear door window rear lower frame.

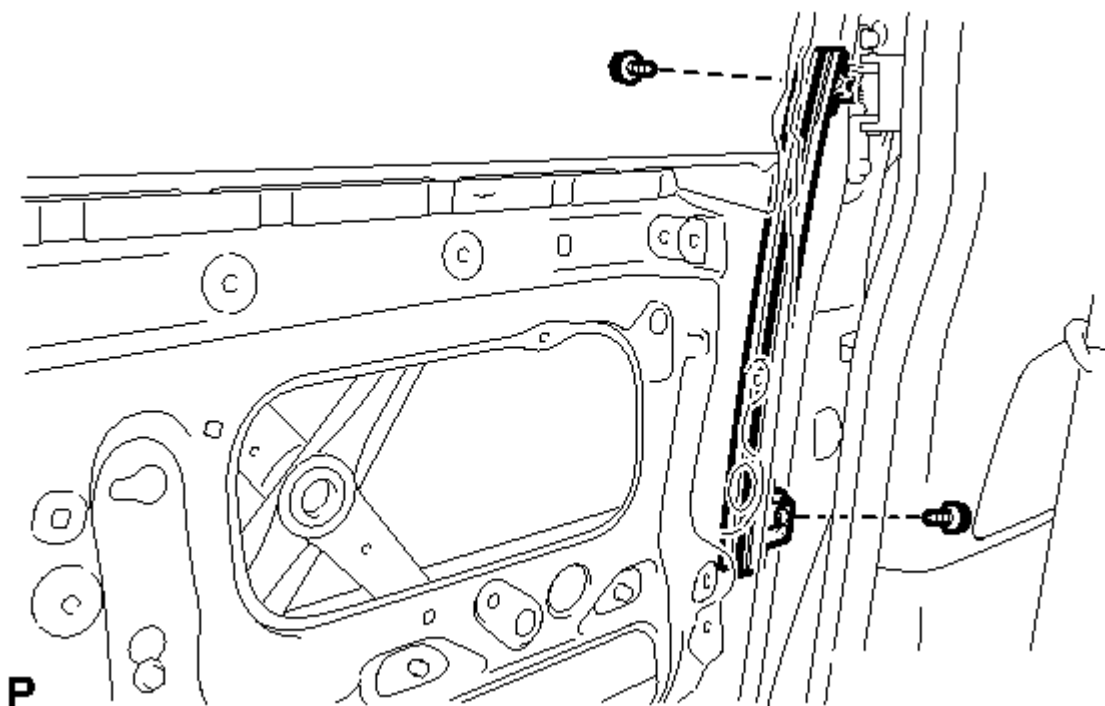


Fig. 130: Identifying Rear Door Window Rear Lower Frame Sub-Assembly & Bolts
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

28. **REMOVE SLIDE DOOR FRONT LOCK ASSEMBLY** . Refer to **REMOVAL - Step 21**
29. **REMOVE REAR DOOR INSIDE LOCKING LINK PROTECTOR**
 - a. Remove the nut.

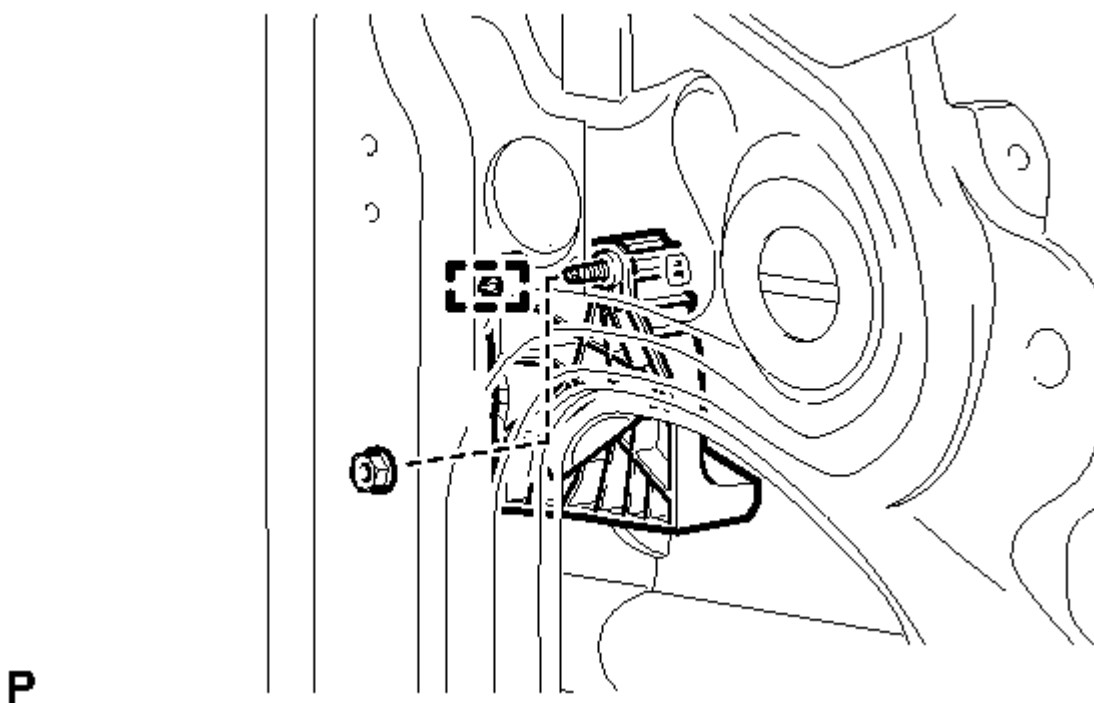


Fig. 131: Identifying Rear Door Inside Locking Link Protector, Clamp & Nut
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disengage the clamp and remove the rear door inside locking link protector.
- 30. **REMOVE SLIDE DOOR REAR LOCK ASSEMBLY (w/o Power Slide Door)** . Refer to **REMOVAL - Step 22**
- 31. **REMOVE POWER SLIDE DOOR LOCK ASSEMBLY (w/ Power Slide Door)** . Refer to **REMOVAL - Step 23**
- 32. **REMOVE REAR DOOR OUTSIDE HANDLE COVER**
 - a. Remove the hole plug.

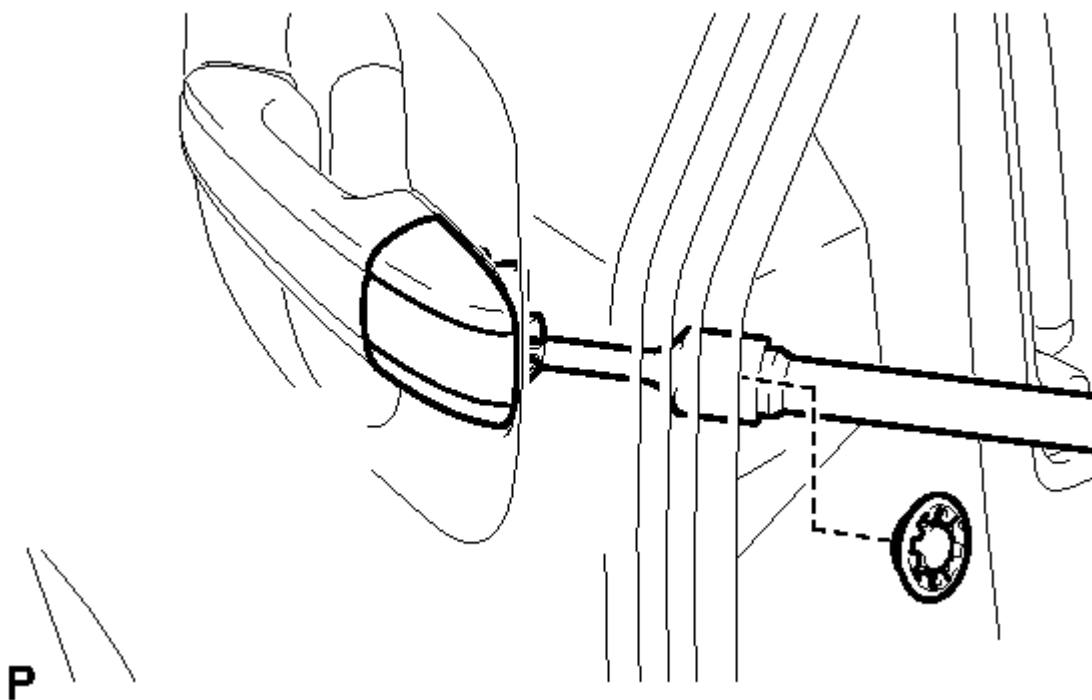
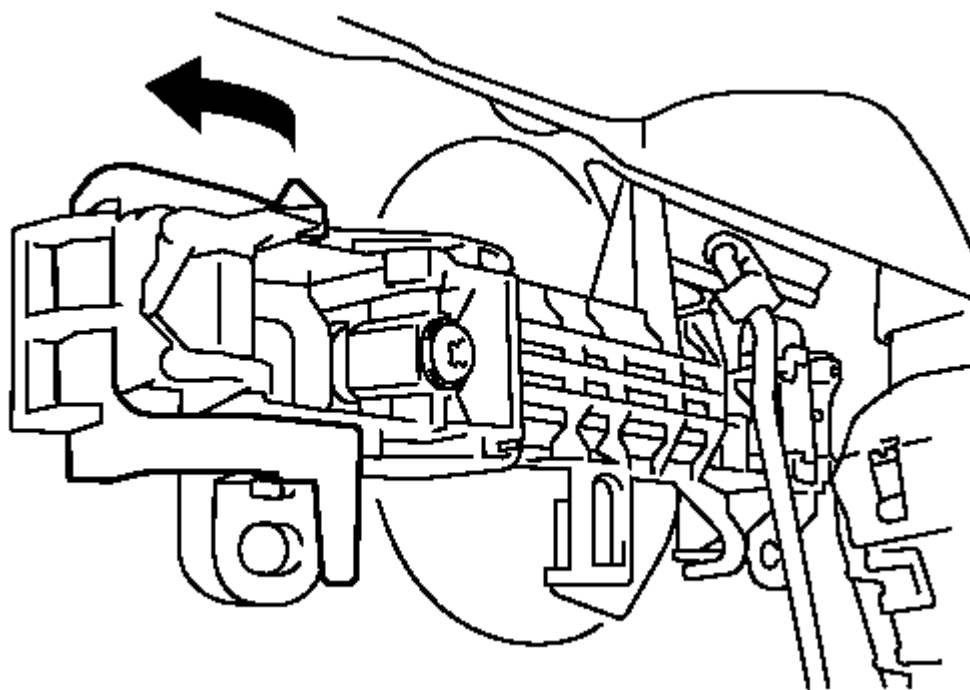


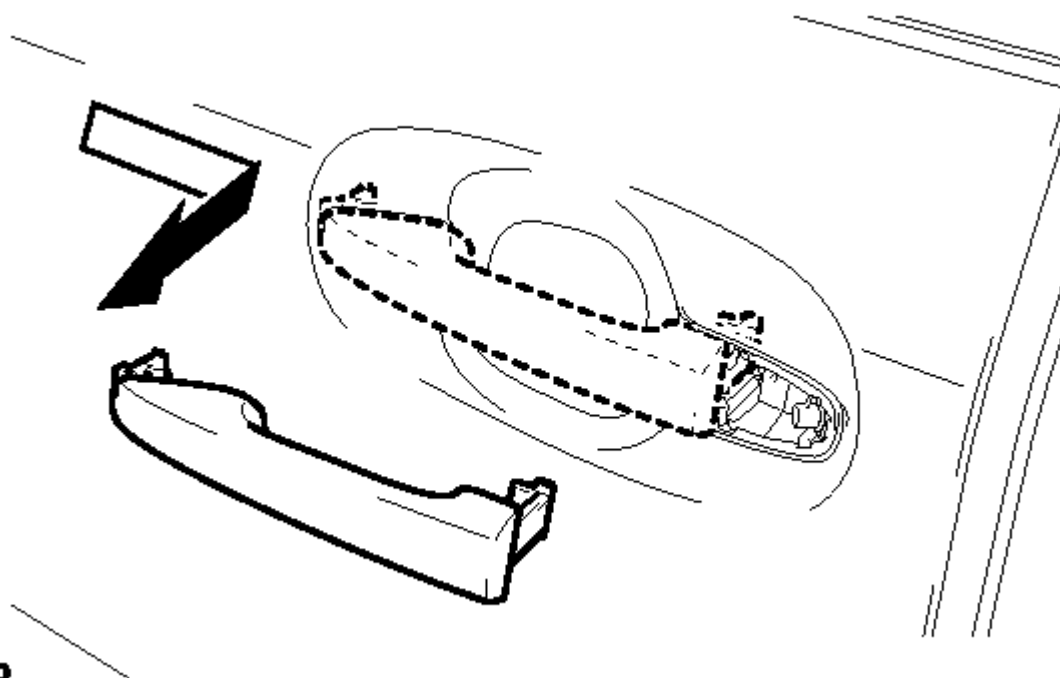
Fig. 132: Identifying Rear Door Outside Handle Cover & Hole Plug
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Using a T30 "TORX" socket wrench, loosen the screw and remove the rear door outside handle cover.
33. **REMOVE REAR DOOR OUTSIDE HANDLE ASSEMBLY**
- a. Pull up the door handle holder as shown by the arrow.



Y

Fig. 133: Removing Door Handle Holder Assembly
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.



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Fig. 134: Removing Rear Door Outside Handle
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the rear door outside handle as shown in the illustration.

34. REMOVE REAR DOOR OUTSIDE HANDLE FRONT PAD

- a. Disengage the 2 claws to remove the rear door outside handle front pad.

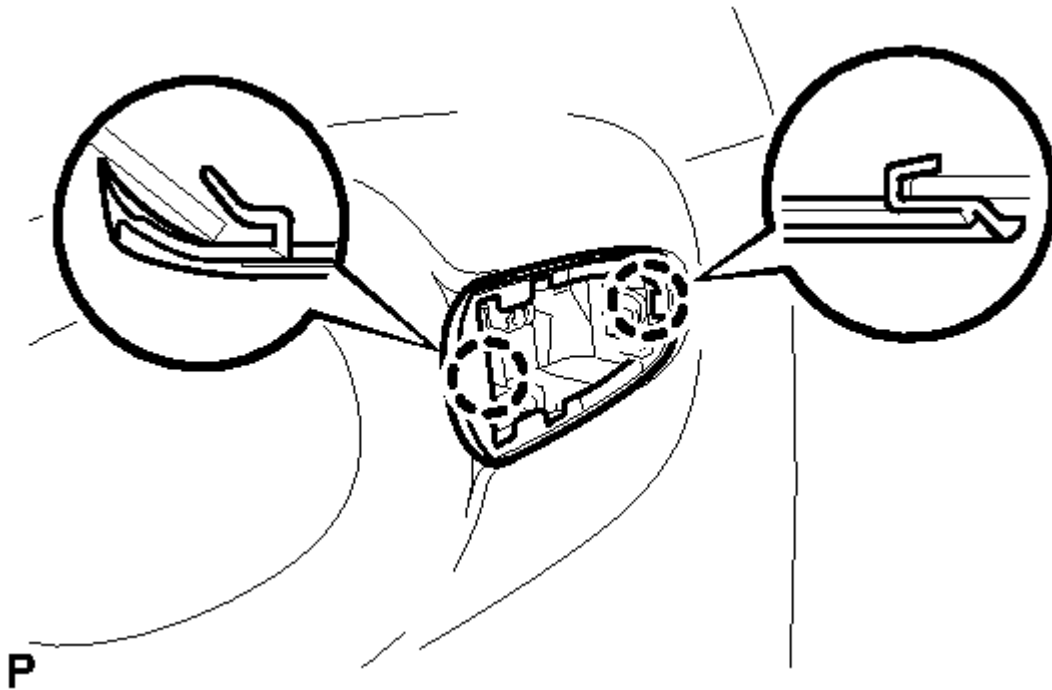
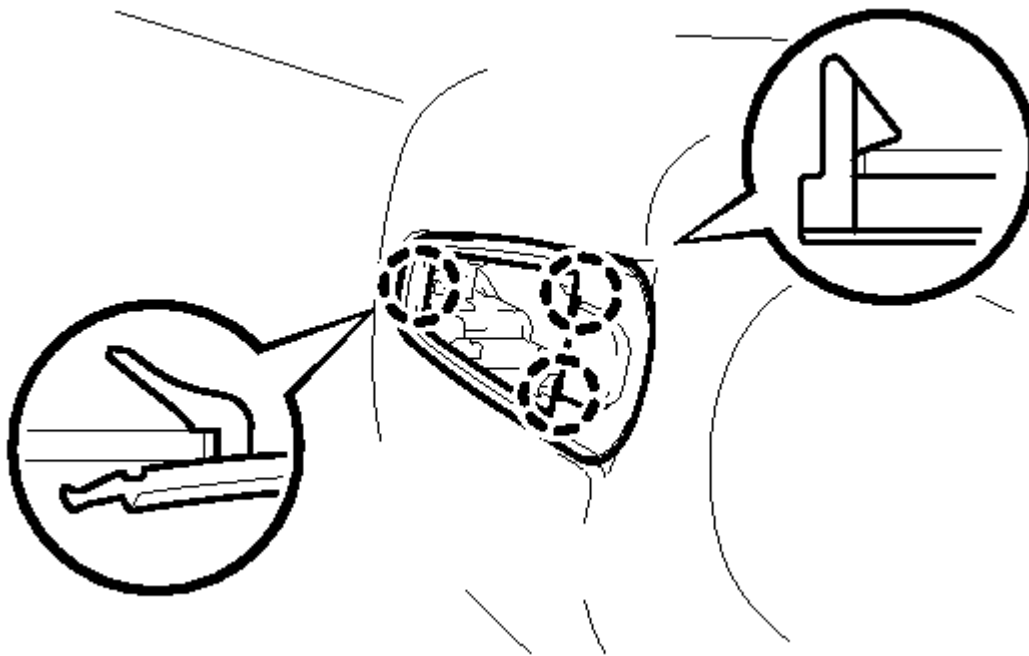


Fig. 135: Identifying Rear Door Outside Handle Front Pad & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

35. REMOVE REAR DOOR OUTSIDE HANDLE REAR PAD

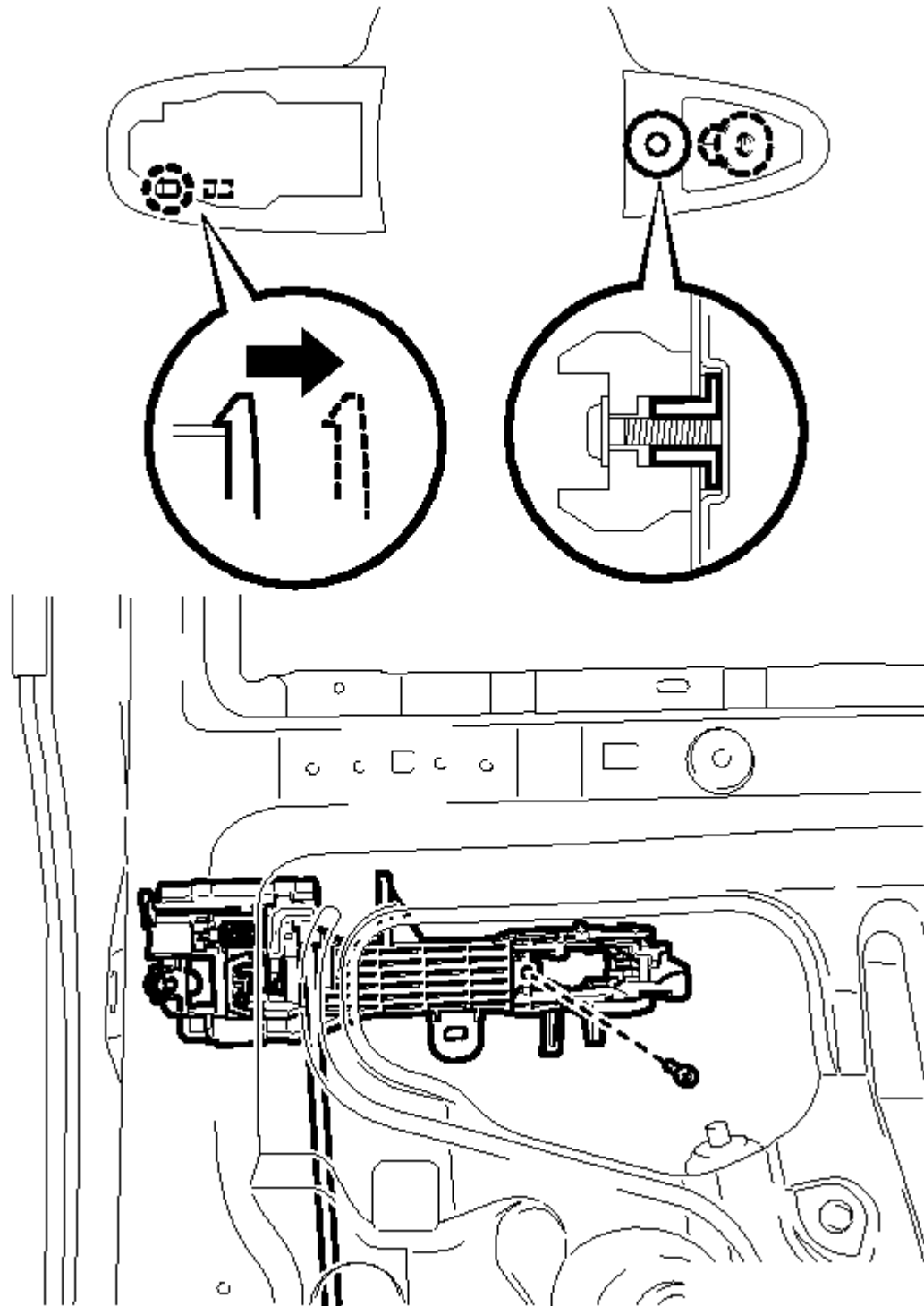
- a. Disengage the 3 claws to remove the rear door outside handle rear pad.



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Fig. 136: Identifying Rear Door Outside Handle Rear Pad & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- 36. REMOVE REAR DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY**
- a. Using a T30 "TORX" socket wrench, remove the screw.



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Fig. 137: Identifying Rear Door Outside Handle Frame Sub-Assembly & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

b. Disengage the claw and remove the rear door outside handle frame.

37. REMOVE CENTER PILLAR UPPER END WEATHERSTRIP (w/o Power Slide Door)

- a. Disengage the 2 clips and remove the center pillar upper end weatherstrip.

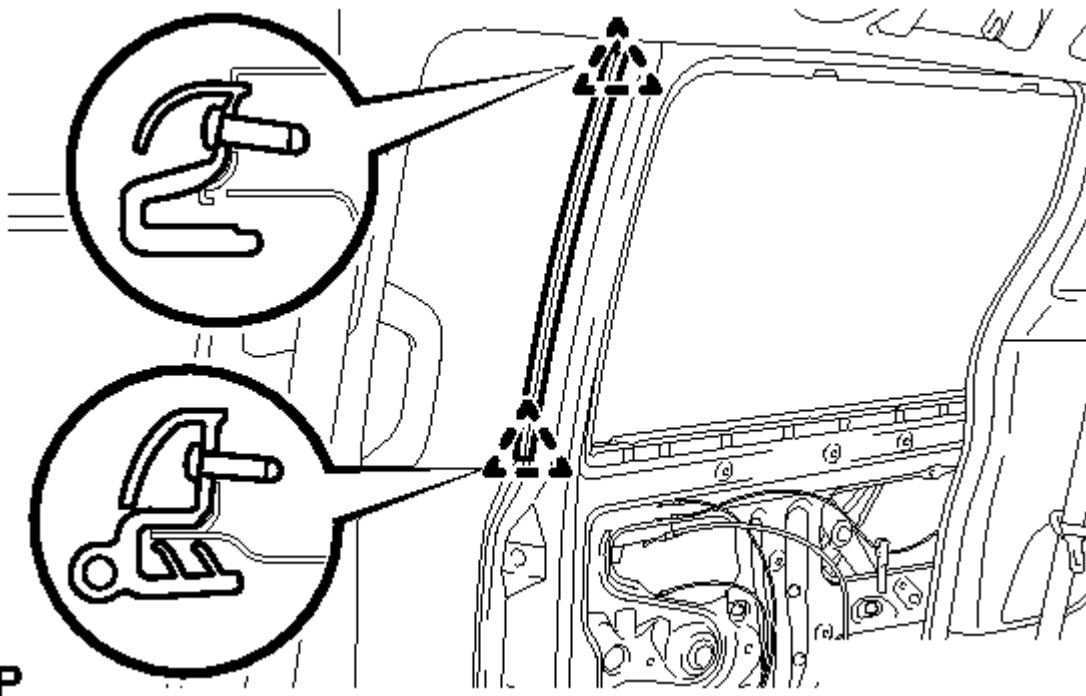
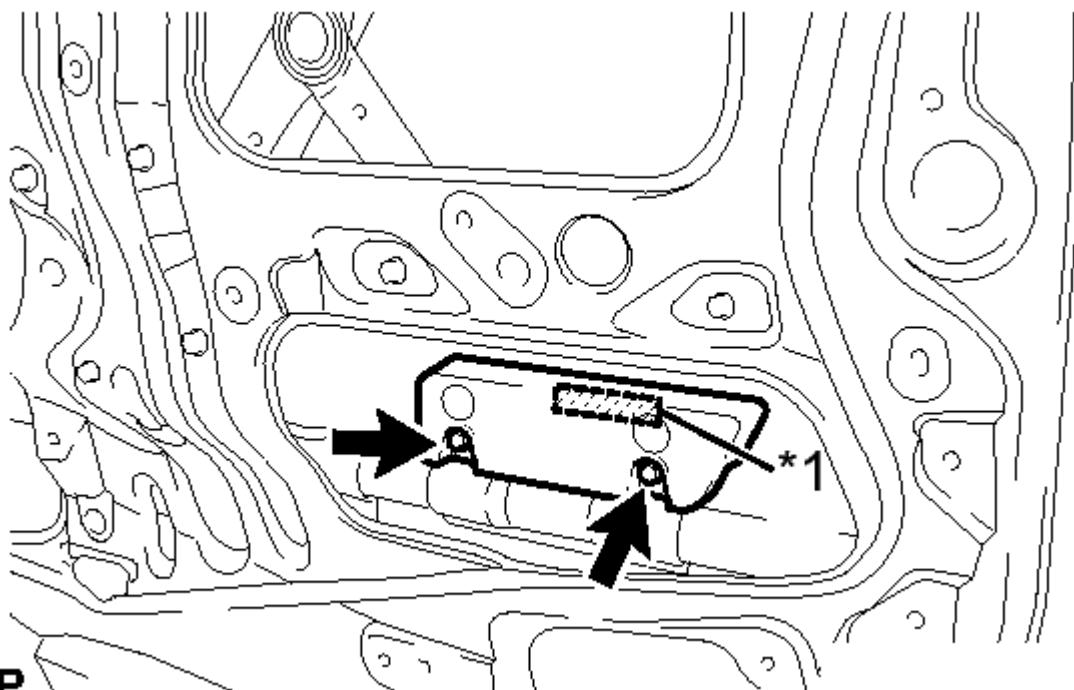


Fig. 138: Identifying Center Pillar Upper End Weatherstrip & Clips (w/o Power Slide Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

38. **REMOVE POWER SLIDE DOOR SENSOR ASSEMBLY (w/ Power Slide Door)** See step 3
39. **REMOVE REAR DOOR STIFFENER CUSHION**



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Fig. 139: Identifying Rear Door Stiffener Cushion & Bolts
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Remove the 2 bolts and peel off the double-sided tape, and remove the rear door stiffener cushion.

TEXT IN ILLUSTRATION

*1	Double- sided Tape
----	--------------------------

40. REMOVE SLIDE DOOR UPPER CUSHION

- a. Remove the slide door upper cushion.

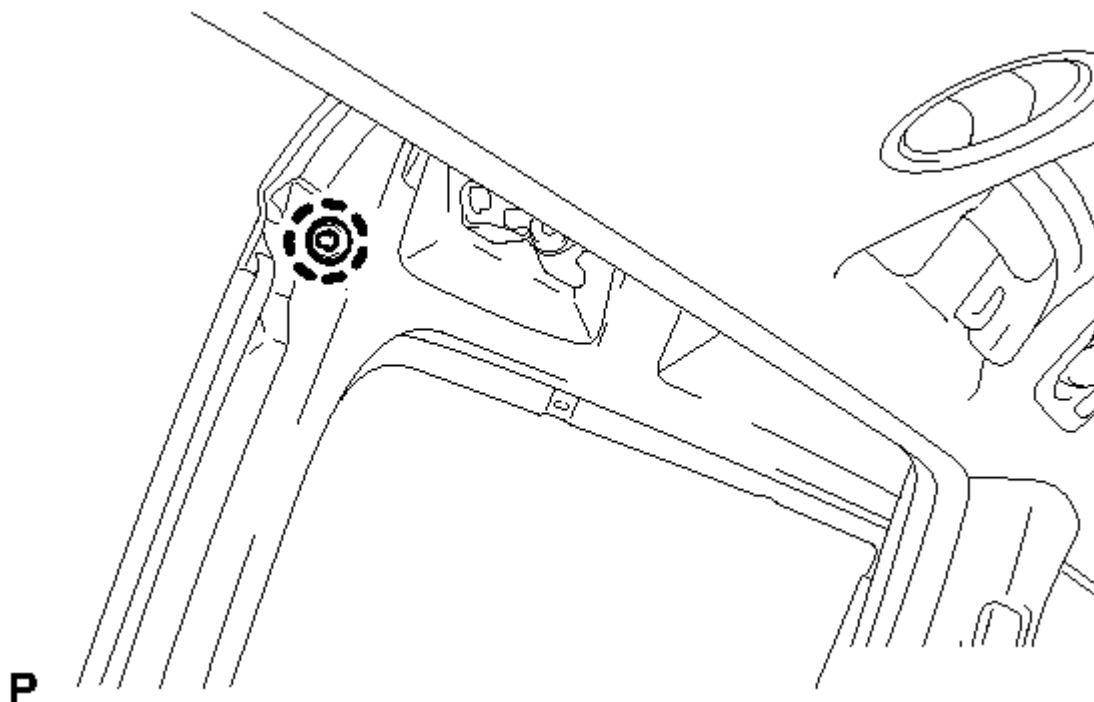


Fig. 140: Identifying Slide Door Upper Cushion
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

41. REMOVE SLIDE DOOR LOWER CUSHION

- a. Remove the slide door lower cushion.

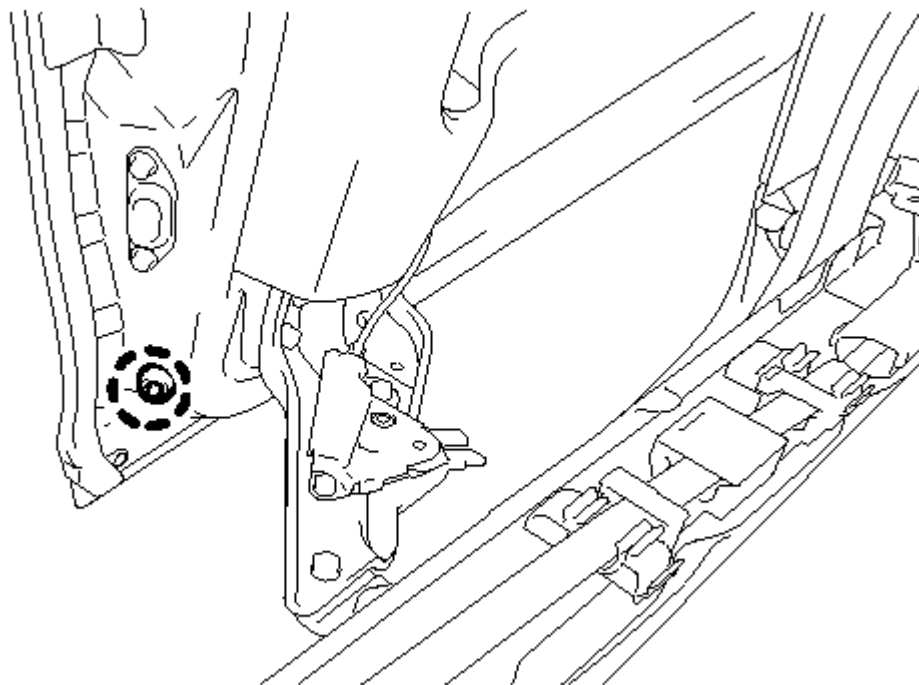
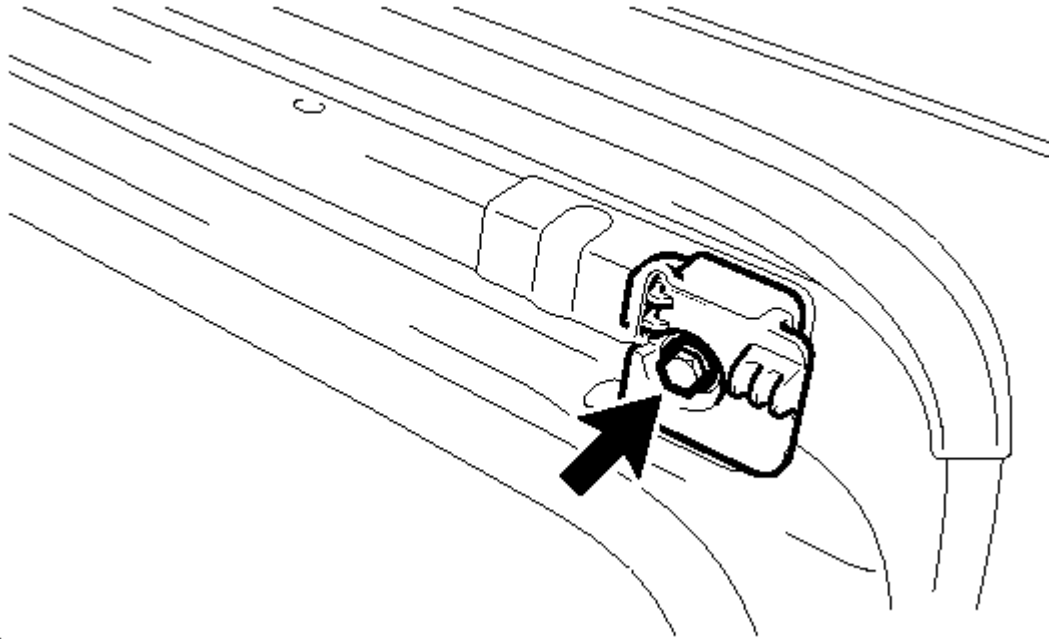


Fig. 141: Identifying Slide Door Lower Cushion

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

42. REMOVE SLIDE DOOR UPPER OPEN STOP

- a. Remove the bolt and slide door upper open stop.



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Fig. 142: Identifying Slide Door Upper Open Stop & Bolt
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

43. REMOVE SLIDE DOOR LOWER OPEN STOP

- a. Remove the 2 nuts and slide door lower open stop.

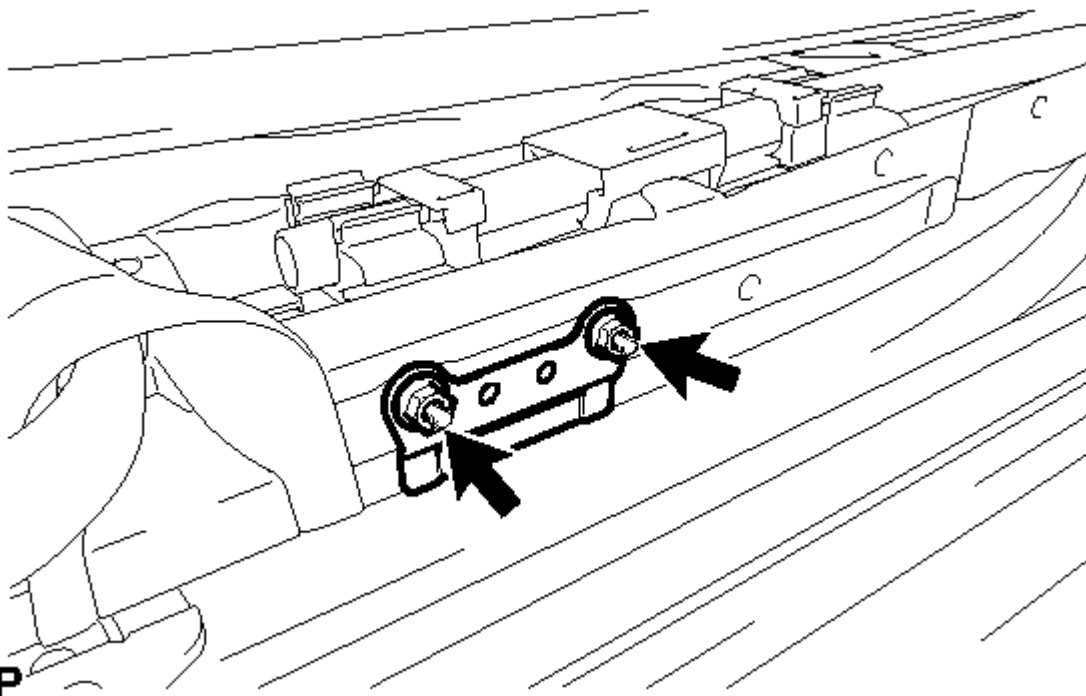


Fig. 143: Identifying Slide Door Lower Open Stop & Nuts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

44. REMOVE SLIDE DOOR

- a. Remove the 3 bolts and disconnect the slide door center hinge.

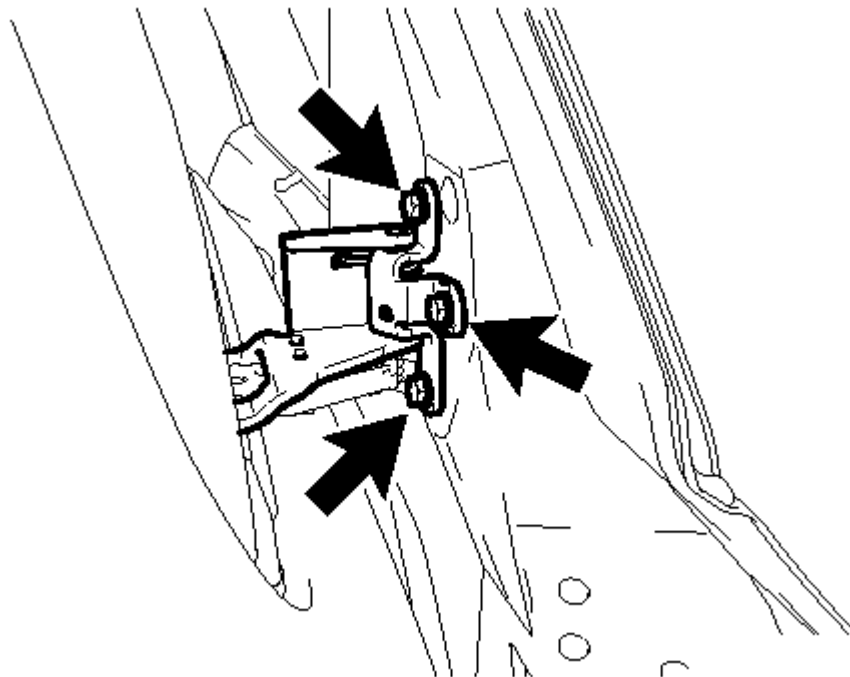


Fig. 144: Identifying Slide Door Center Hinge & Bolts

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE:

- To prevent damage, when removing the slide door, make sure that there are enough people available to hold it securely.
- Hold the lower part of the slide door because it will become unstable after the slide door center hinge is disconnected.

- b. Remove the slide door upper roller as shown in the illustration.

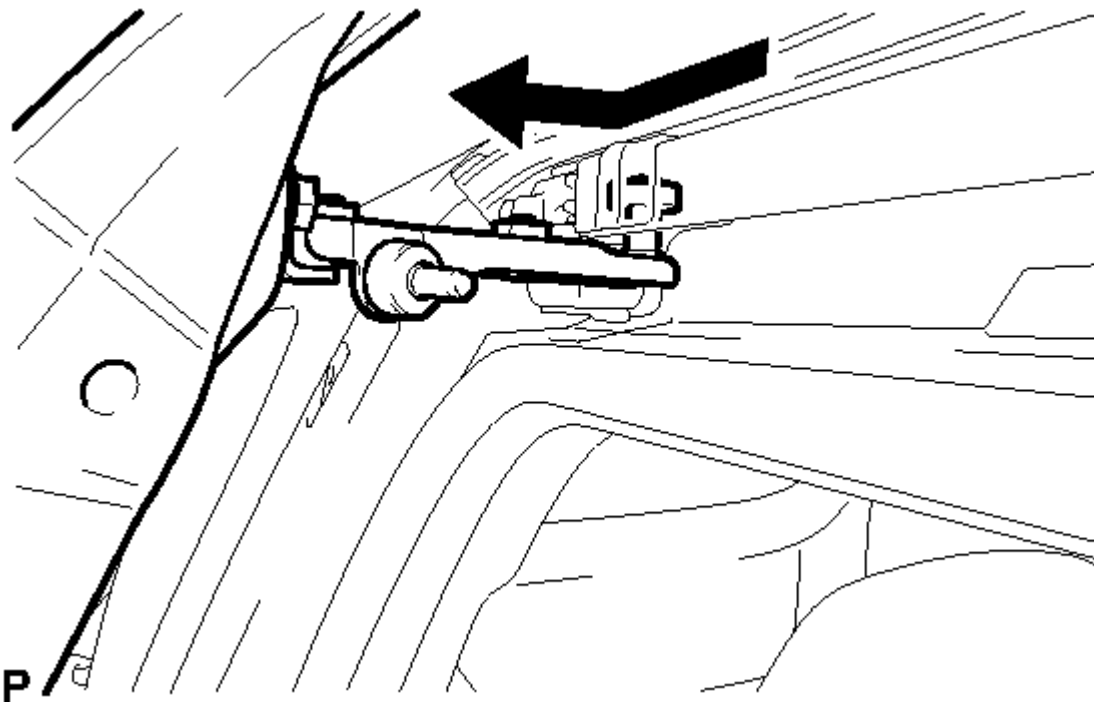
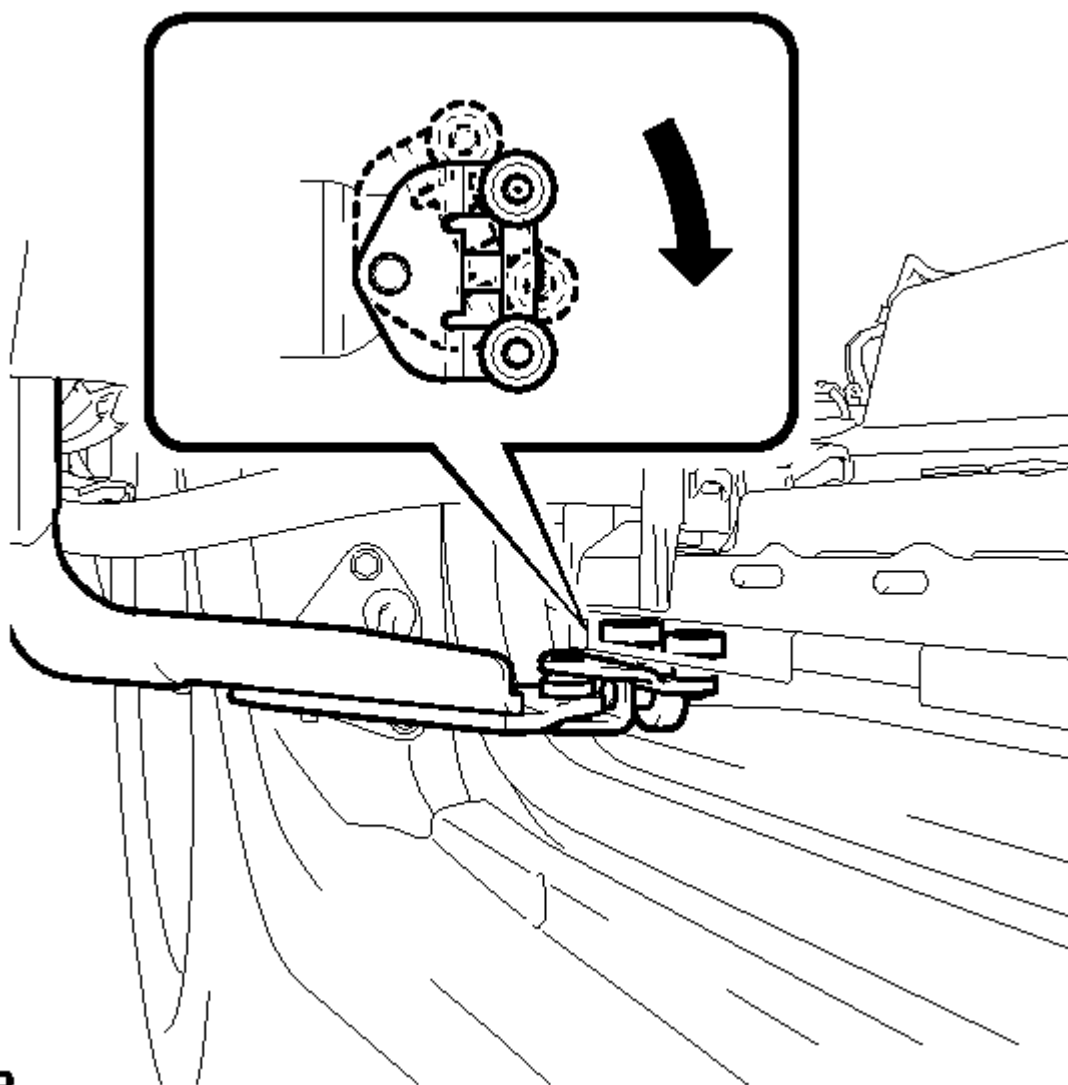


Fig. 145: Removing Slide Door Upper Roller

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Turn the roller of the slide door lower roller as shown in the illustration to remove it through the cutout of the slide door lower rail.



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Fig. 146: Turning Slide Door Lower Roller
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

45. **REMOVE SLIDE DOOR CENTER HINGE ASSEMBLY**
 - a. Move the slide door center hinge to the front of the slide rail.

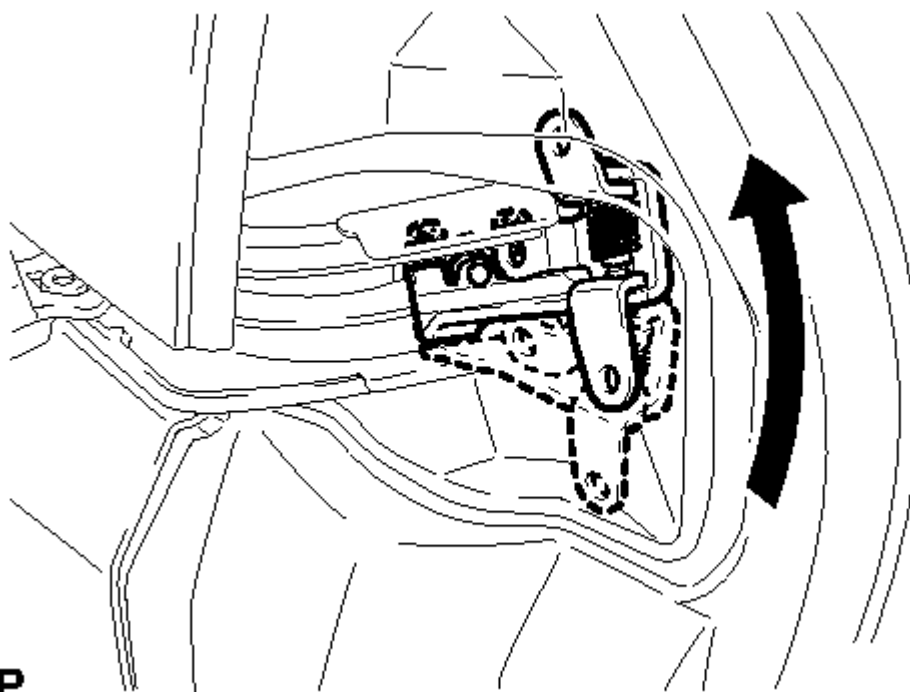


Fig. 147: Removing Slide Door Center Hinge Assembly
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the slide door center hinge as shown in the illustration.
- 46. **REMOVE SLIDE DOOR UPPER ROLLER ASSEMBLY**
 - a. Remove the 2 bolts and slide door upper roller.

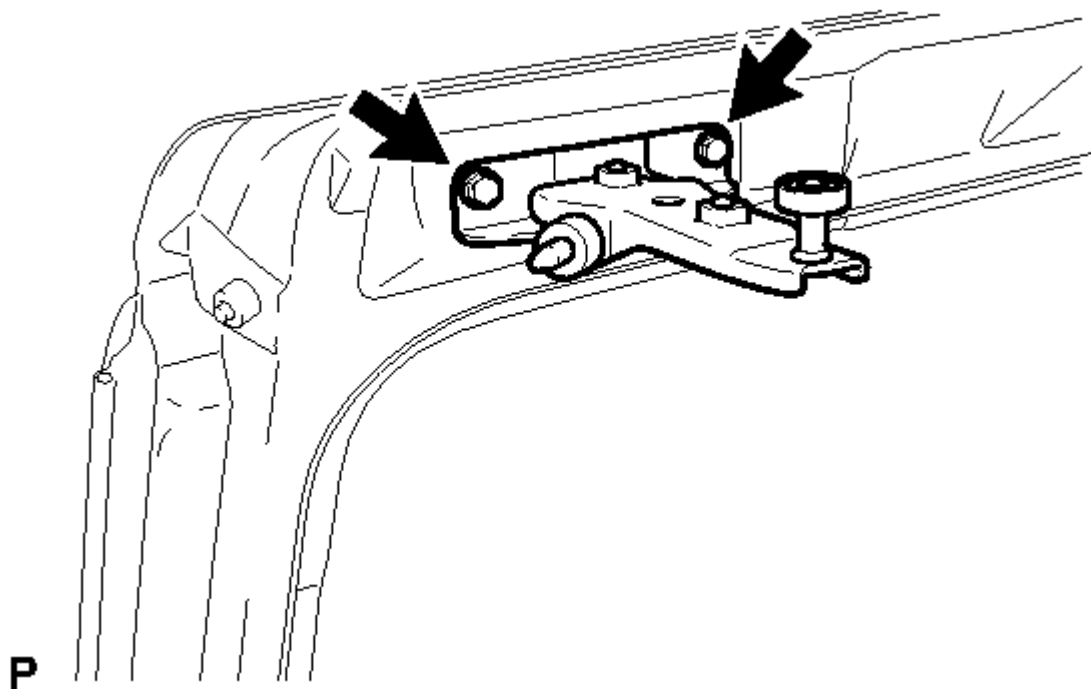
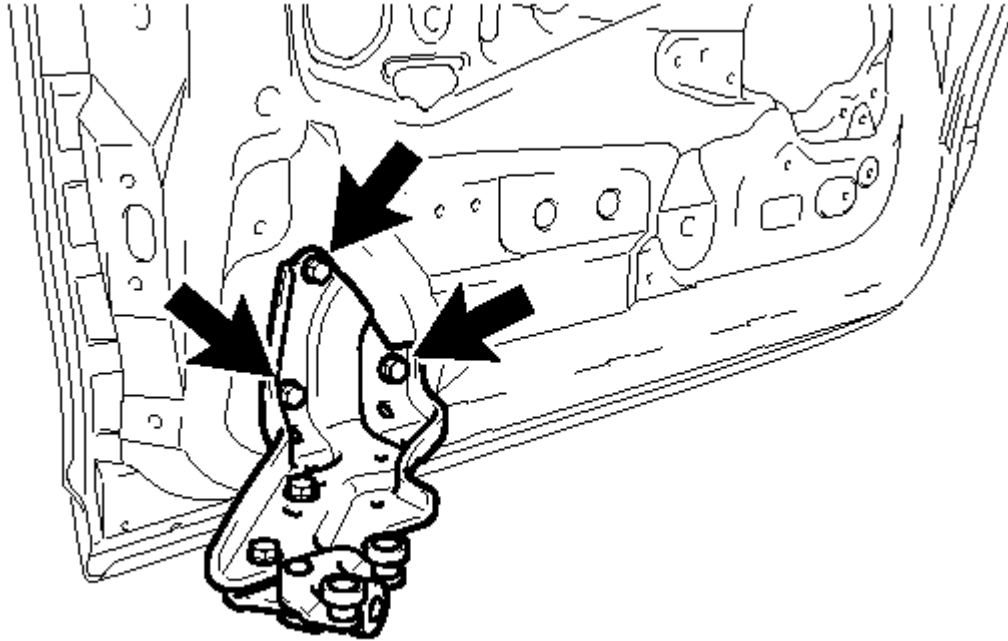


Fig. 148: Identifying Slide Door Upper Roller Assembly & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

47. REMOVE SLIDE DOOR LOWER ROLLER ASSEMBLY

- a. Remove the 3 bolts and slide door lower roller.



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Fig. 149: Identifying Slide Door Lower Roller & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ADJUSTMENT

ADJUSTMENT

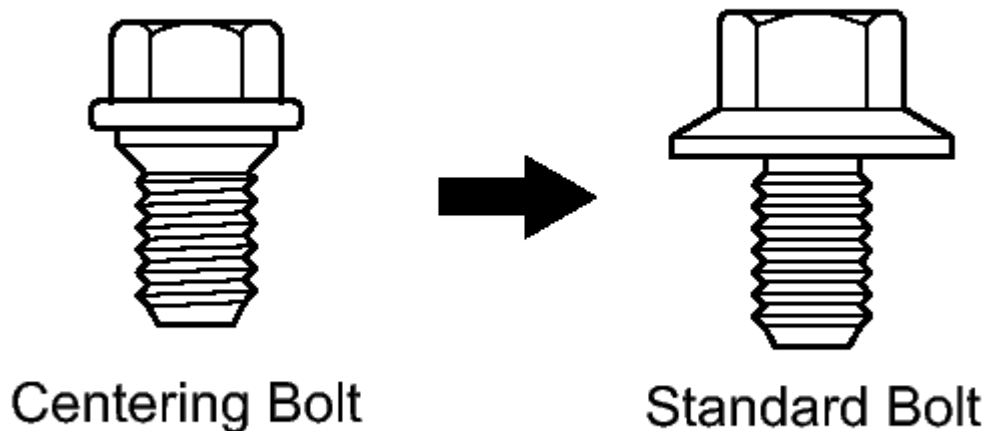


Fig. 150: Identifying Centering And Standard Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Before adjusting the door positions of vehicles equipped with side airbags and curtain shield airbags, be sure to disconnect the cable from the negative (-) battery terminal. After adjustment, inspect the SRS warning light, side airbag system and curtain shield airbag system for normal operation. Then initialize both airbag systems.

HINT:

- Use the same procedure for the RH side and LH side.
- The following procedure 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. Refer to **SPECIFIED TORQUE FOR STANDARD BOLTS** .

ADJUSTMENT

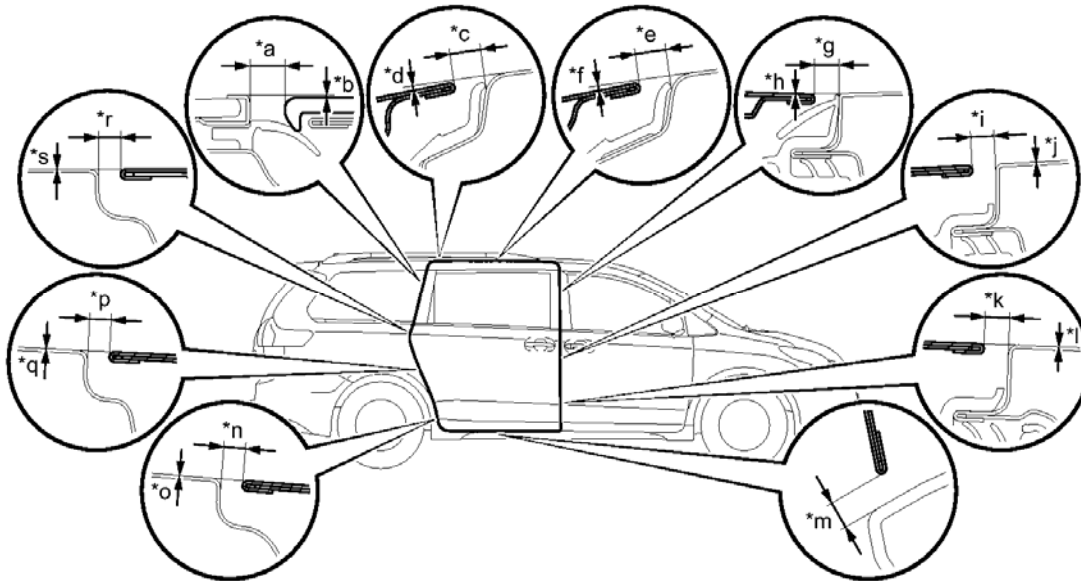
1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

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

NOTE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to INITIALIZATION .

2. ADJUST SLIDE DOOR

- Check that the clearance measurements are within the standard ranges.



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Fig. 151: Inspecting Slide Door Clearance Measurements
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Standard

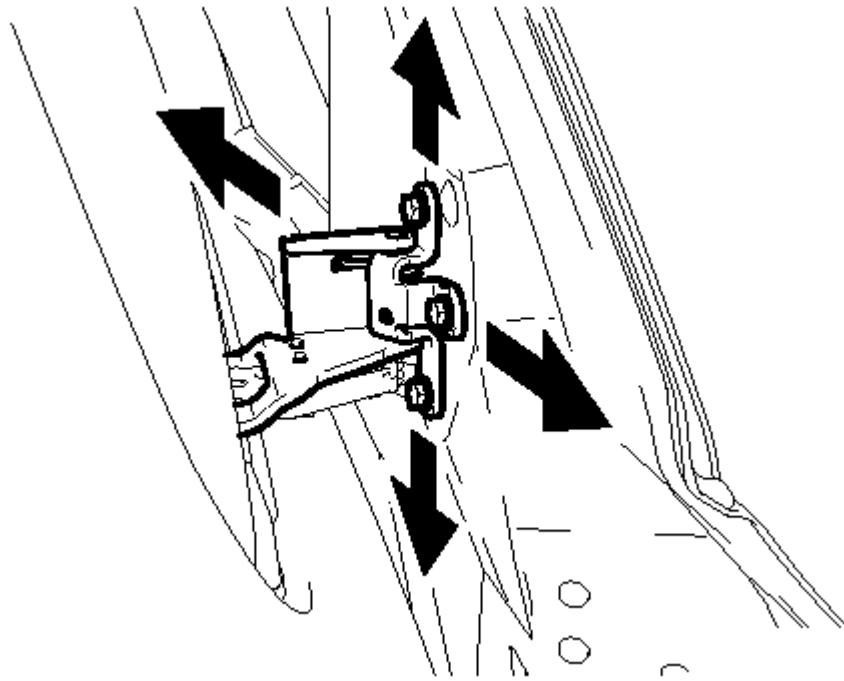
Area	Measurement	Area	Measurement
*a	6.0 to 9.0 mm (0.236 to 0.354 in.)	*k	3.5 to 6.5 mm (0.138 to 0.256 in.)
*b	-0.5 to 2.5 mm (0.039 to 0.098 in.)	*l	-1.5 to 1.5 mm (-0.059 to 0.059 in.)
*c	4.9 to 7.9 mm (0.193 to 0.311 in.)	*m	4.5 to 7.5 mm (0.177 to 0.295 in.)
*d	-0.4 to 2.4 mm (-0.016 to 0.094 in.)	*n	3.5 to 6.5 mm (0.138 to 0.256 in.)
*e	5.2 to 8.2 mm (0.208 to 0.323 in.)	*o	-1.5 to 1.5 mm (-0.059 to 0.059 in.)

			0.059 in.)
*f	-1.0 to 2.0 mm (-0.039 to 0.079 in.)	*p	3.5 to 6.5 mm (0.138 to 0.256 in.)
*g	3.5 to 6.5 mm (0.138 to 0.256 in.)	*q	-1.5 to 1.5 mm (-0.059 to 0.059 in.)
*h	-1.2 to 1.8 mm (0.047 to 0.071 in.)	*r	3.5 to 6.5 mm (0.138 to 0.256 in.)
*i	3.5 to 6.5 mm (0.138 to 0.256 in.)	*s	-1.5 to 1.5 mm (-0.059 to 0.059 in.)
*j	-1.5 to 1.5 mm (-0.059 to 0.059 in.)	-	-

b. Using SST, loosen the hinge bolts on the vehicle body and adjust the door position.

- **SST: 09812-00010**

c. To adjust the door position in the vertical or front-to-back directions at the rear edge of the door, loosen the bolts of the slide door center hinge before making an adjustment.



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Fig. 152: Adjusting Slide Door Position & Slide Door Center Hinge Bolts Using SST
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 31 N*m (316 kgf*cm, 23 ft.*lbf)

- d. To adjust the lower door seating position on the vehicle body surface vertically or to adjust the door position in the vertical and front-to-back directions, fully close the slide door, loosen the bolt of the slide door lower roller, then check and adjust the door position.

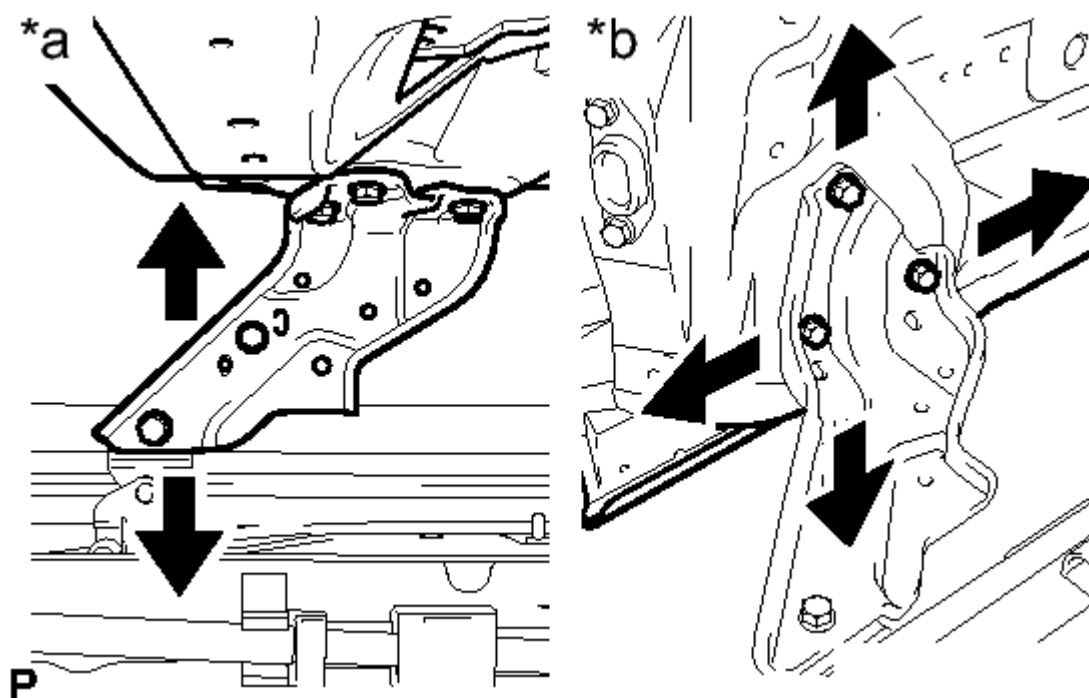


Fig. 153: Adjusting Slide Door Position & Slide Door Lower Roller Bolts Using SST
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

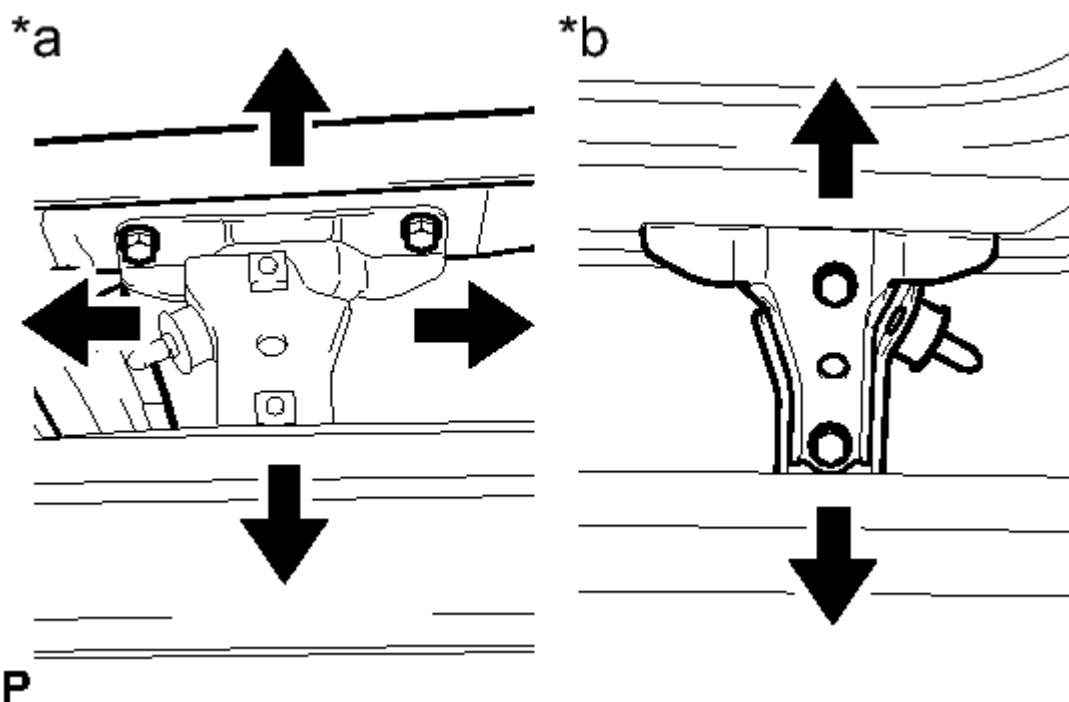
TEXT IN ILLUSTRATION

	Vehicle
*a	Body Side
*b	Door Side

Torque: 31 N*m (316 kgf*cm, 23 ft.*lbf)

HINT:

- To adjust the slide door lower roller arm on the door side, remove the rear door trim board.
 - To adjust the slide door lower roller base on the vehicle body side, disengage the slide door full open stop lock and temporarily install the bolts.
- e. To adjust the door position in the horizontal or front-to-back direction, loosen the bolts of the slide door roller before making an adjustment.



P

Fig. 154: Adjusting Vehicle Body Side & Door Side Position

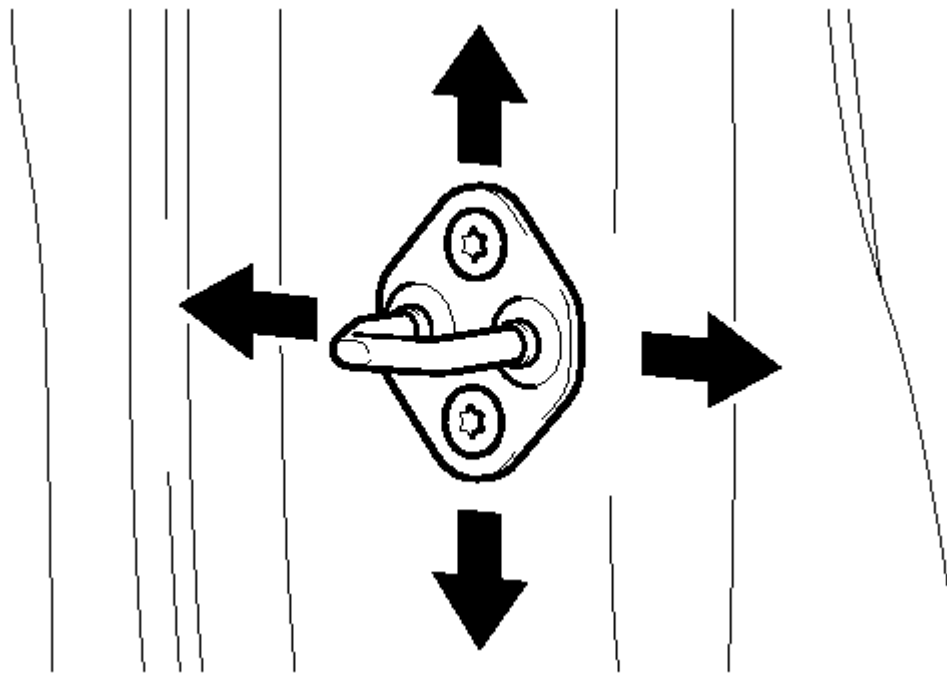
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Vehicle Body Side
*b	Door Side

Torque: 13 N*m (127 kgf*cm, 9 ft.*lbf)

- f. To adjust the door position vertically or horizontally at the slide door front lock striker plate, loosen the bolts for the slide door down female stopper, then loosen the striker screws using a T40 "TORX" socket wrench so that the striker can move, and adjust the striker position by tapping it lightly using a brass bar and a hammer.

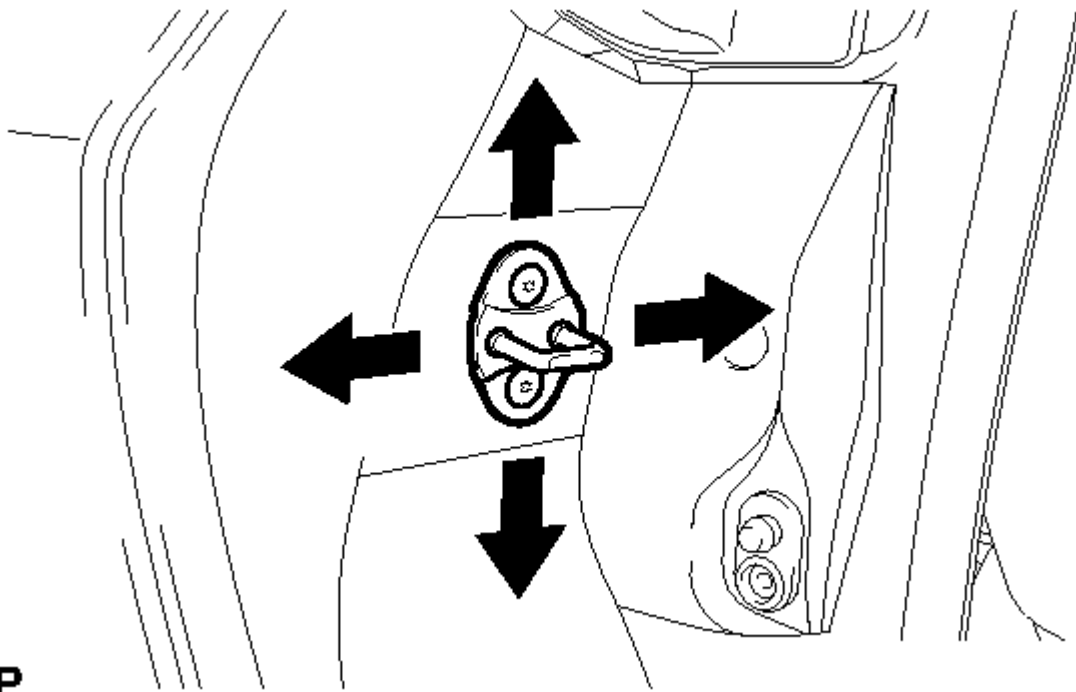


P

Fig. 155: Adjusting Slide Door Front Lock Striker Plate
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 23 N*m (235 kgf*cm, 17 ft.*lbf)

- g. To adjust the door position vertically or horizontally at the slide door lock striker plate, loosen the striker screws using a T40 "TORX" socket wrench and adjust the striker position by tapping it lightly using a brass bar and a hammer.



P

Fig. 156: Adjusting Slide Door Lock Striker Plate

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 23 N*m (235 kgf*cm, 17 ft.*lbf)

- h. Temporarily tighten the slide door down female stopper, fully close the slide door to settle the stopper, and then fully tighten the stopper.
- i. After adjusting the door position, check the operation of the electric door lock system, slide door closer system, and power slide door system (for vehicles with the power slide door system).

HINT:

If something contacts the power slide door touch sensor during an automatic closing operation, the door will reverse.

3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

NOTE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to INITIALIZATION .

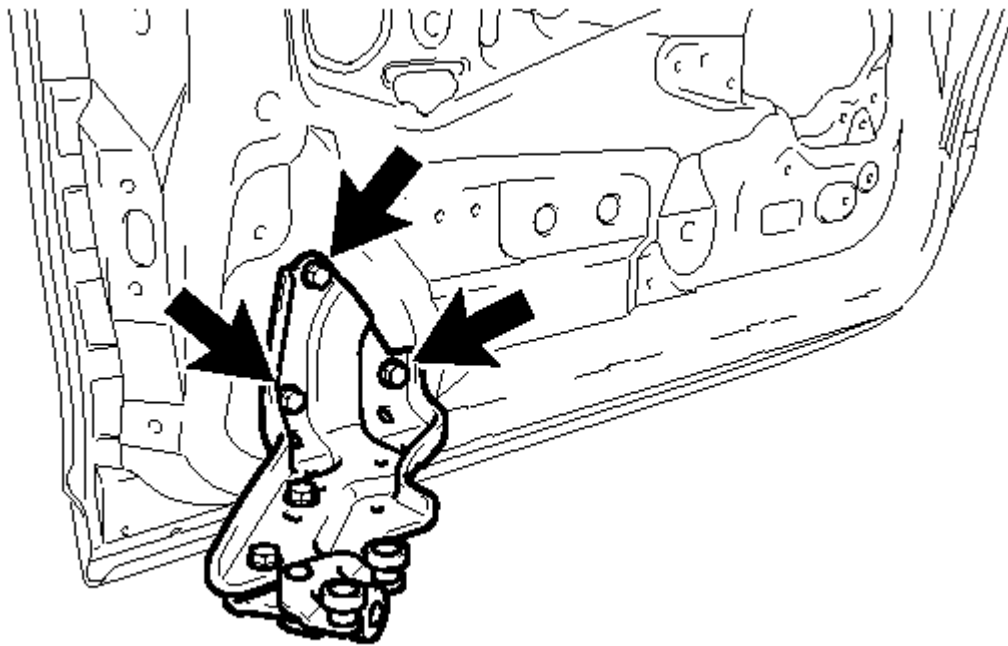
REASSEMBLY

REASSEMBLY

1. INSTALL SLIDE DOOR LOWER ROLLER ASSEMBLY

- a. Install the slide door lower roller with the 3 bolts.

Torque: 31 N*m (316 kgf*cm, 23 ft.*lbf)



P

Fig. 157: Identifying Slide Door Lower Roller & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL SLIDE DOOR UPPER ROLLER ASSEMBLY

- a. Install the slide door lower roller with the 2 bolts.

Torque: 13 N*m (127 kgf*cm, 9 ft.*lbf)

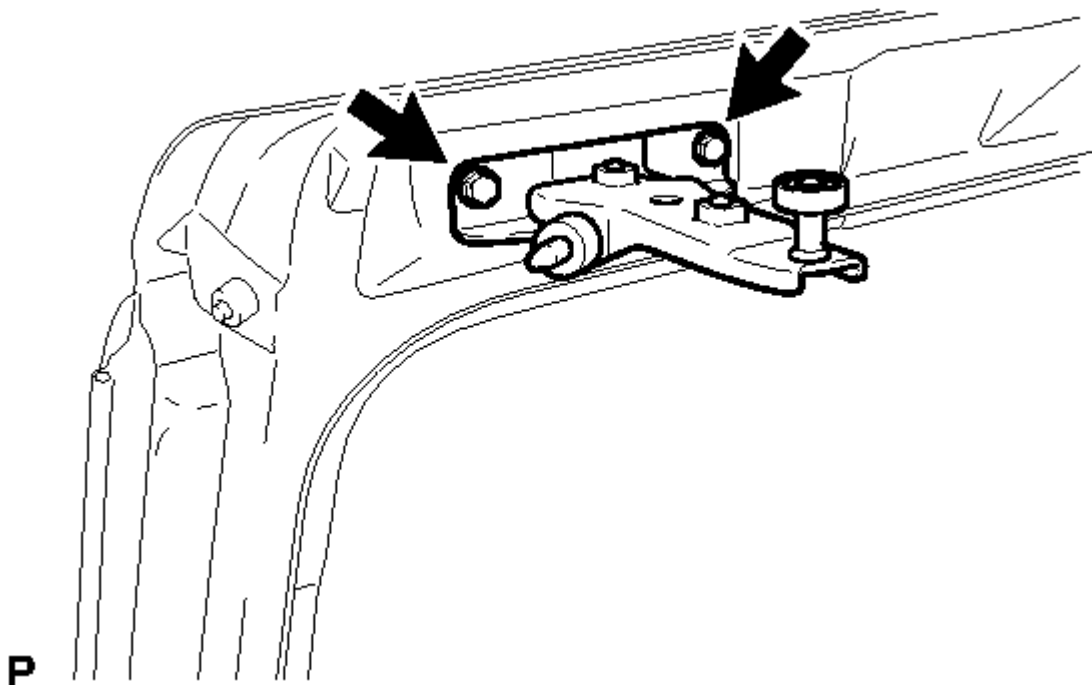


Fig. 158: Identifying Slide Door Upper Roller Assembly & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. INSTALL SLIDE DOOR CENTER HINGE ASSEMBLY

- a. Install the slide door center hinge as shown in the illustration.

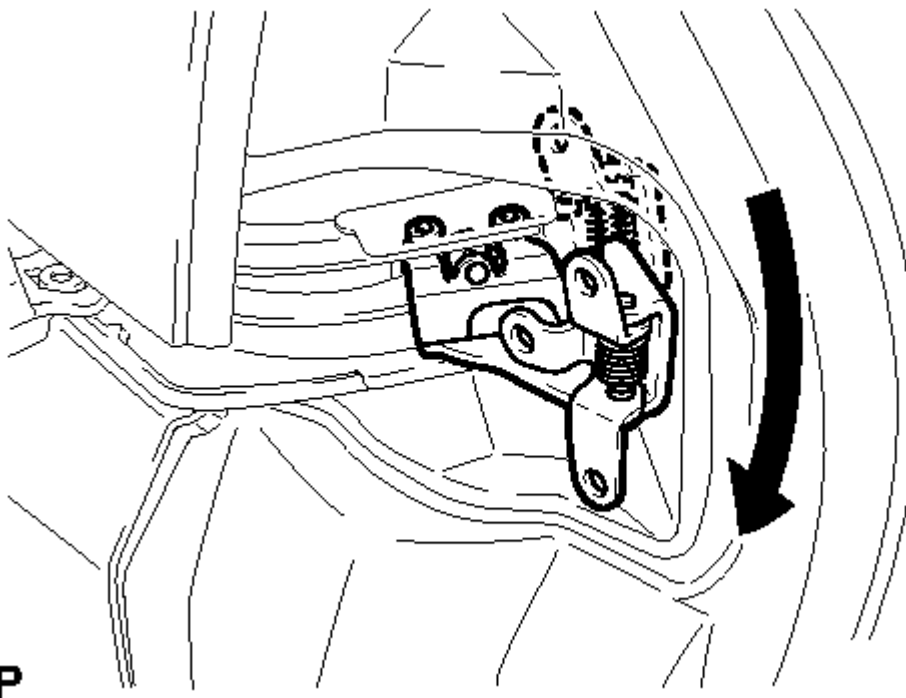


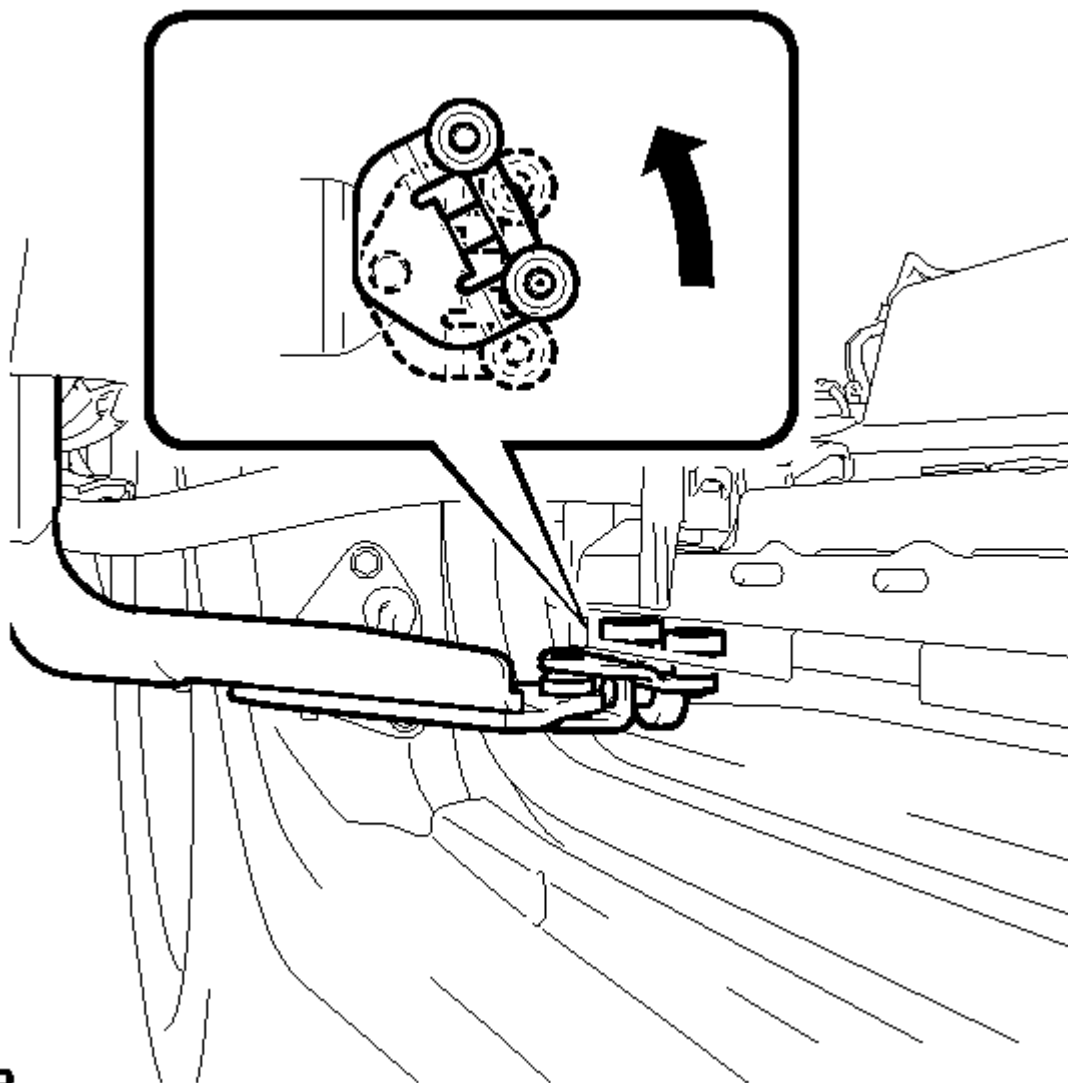
Fig. 159: Installing Slide Door Center Hinge Assembly

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Move the slide door center hinge to the rear of the slide rail.

4. INSTALL SLIDE DOOR

- a. Turn the roller of the slide door lower roller as shown in the illustration and slide it in through the cutout of the slide door lower rail to install the slide door.



P

Fig. 160: Installing Slide Door Lower Roller

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE:

- To prevent damage, when installing the slide door, make sure that there are enough people available to hold it securely.
- Hold the slide door until the slide door center hinge is installed because the slide door will be unstable until the hinge is installed.

- b. Install the slide door upper roller as shown in the illustration.

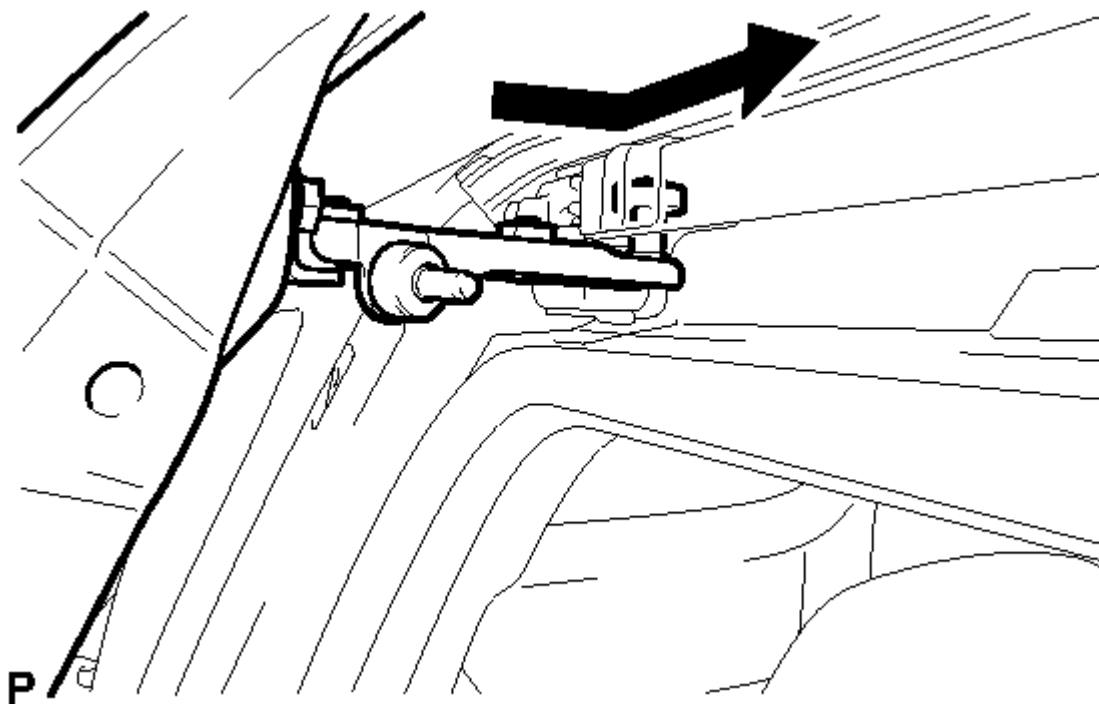
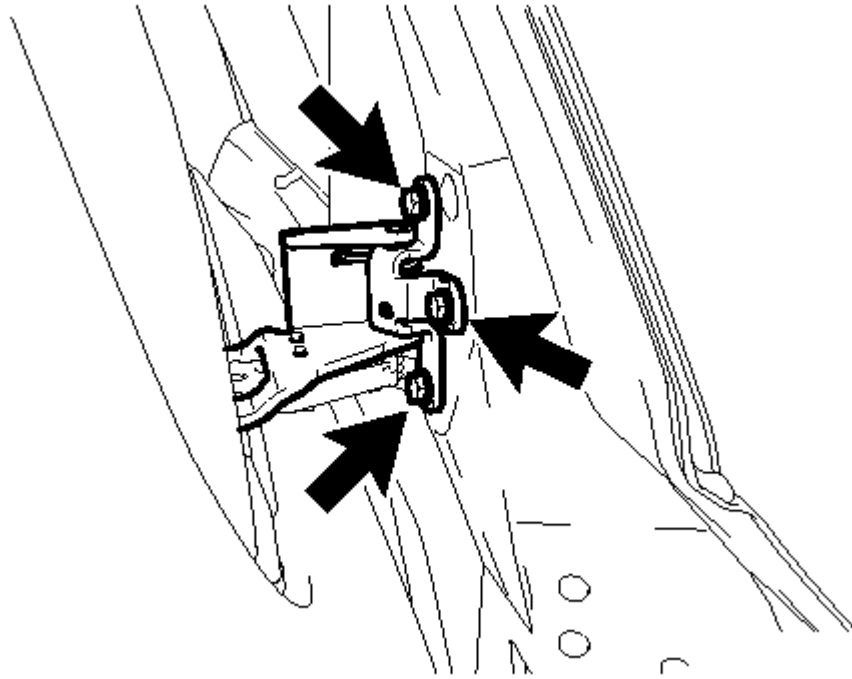


Fig. 161: Installing Slide Door Upper Roller
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Install the slide door center hinge with the 3 bolts.

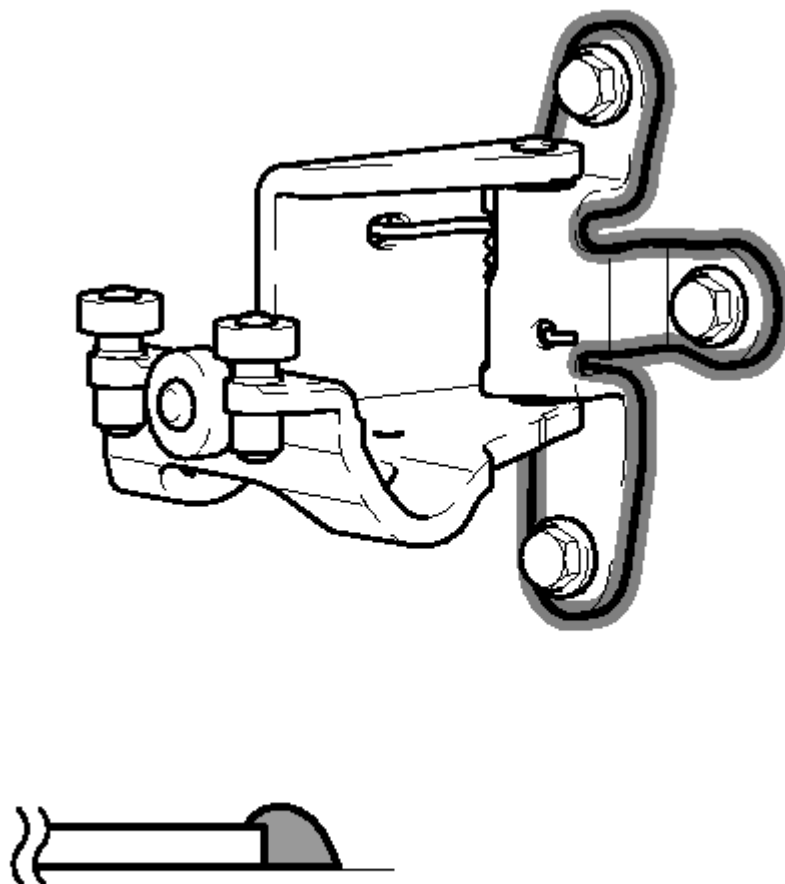
Torque: 31 N*m (316 kgf*cm, 23 ft.*lbf)



P

Fig. 162: Identifying Slide Door Center Hinge & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Using a brush, apply anti-rust coating to the slide door center hinge as shown in the illustration.



P

Fig. 163: Identifying Slide Door Center Hinge Anti-Rust Coating Applying Areas
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

5. INSTALL SLIDE DOOR LOWER OPEN STOP

- a. Install the slide door lower open stop with the 2 nuts.

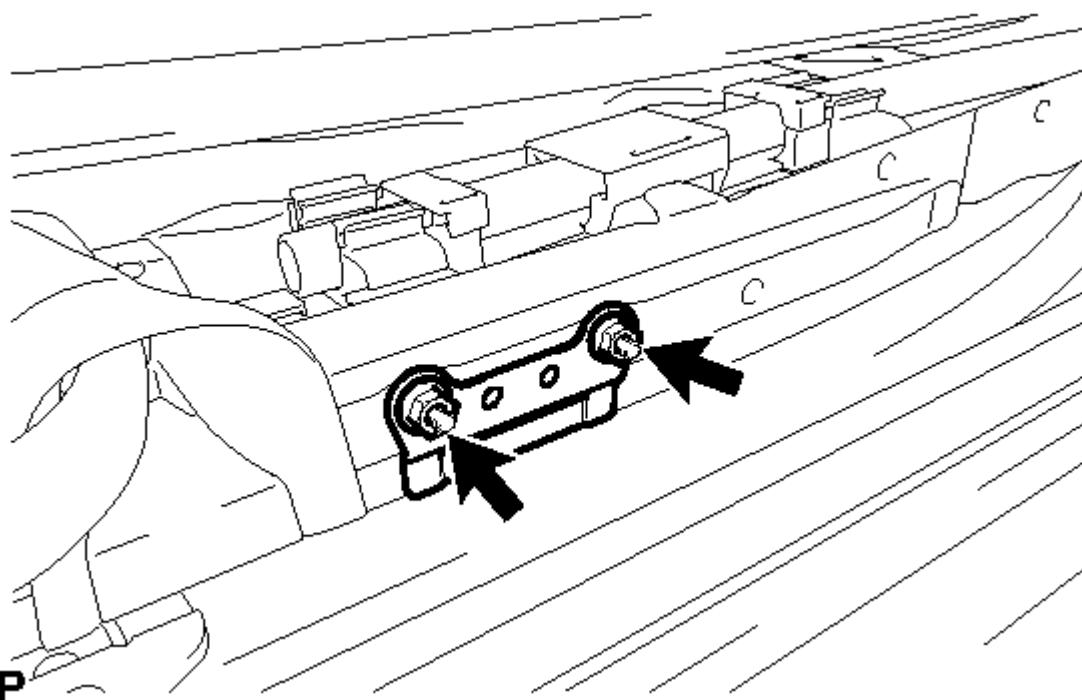
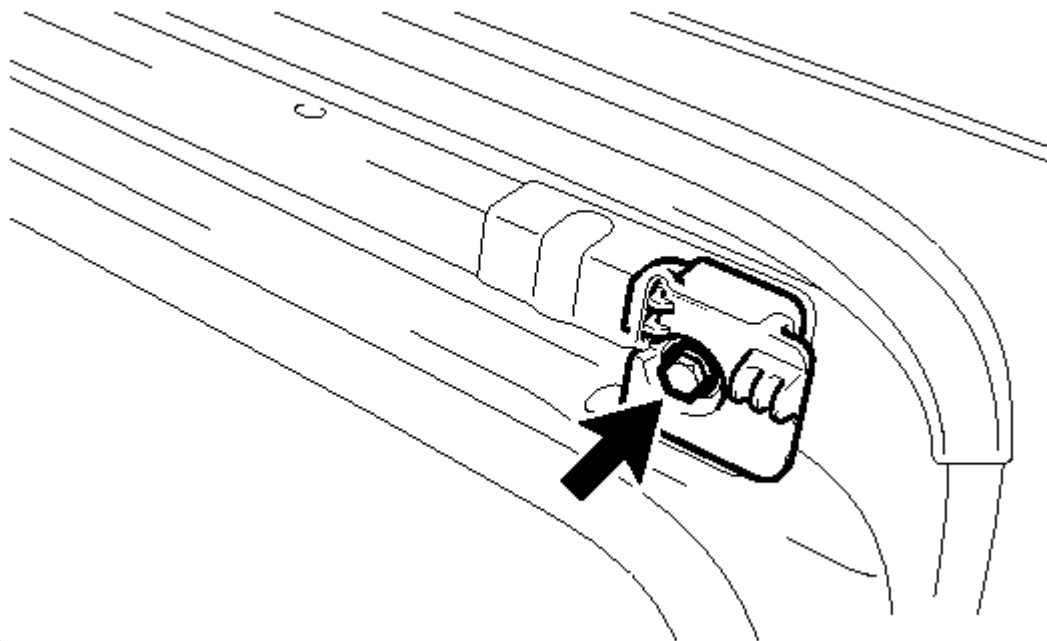


Fig. 164: Identifying Slide Door Lower Open Stop & Nuts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 7.5 N*m (76 kgf*cm, 66 in.*lbf)

6. INSTALL SLIDE DOOR UPPER OPEN STOP

- a. Install the slide door upper open stop with the bolt.



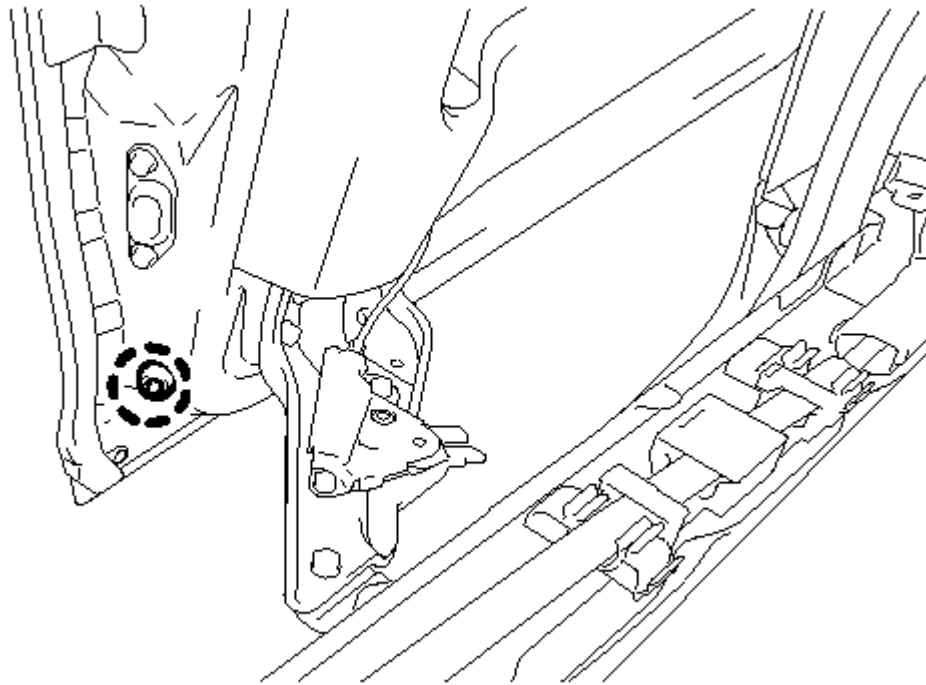
P

Fig. 165: Identifying Slide Door Upper Open Stop & Bolt
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 9.8 N*m (100 kgf*cm, 87 in.*lbf)

7. INSTALL SLIDE DOOR LOWER CUSHION

- a. Install the slide door lower cushion.



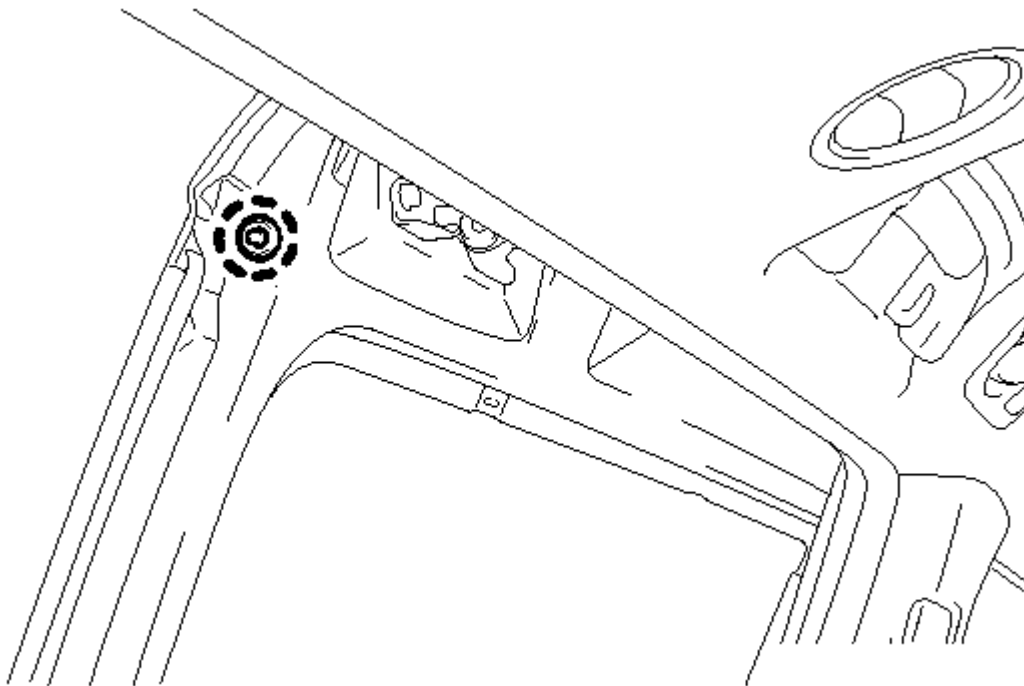
P

Fig. 166: Identifying Slide Door Lower Cushion

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. INSTALL SLIDE DOOR UPPER CUSHION

- a. Install the slide door upper cushion.



P

Fig. 167: Identifying Slide Door Upper Cushion

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

9. INSTALL REAR DOOR STIFFENER CUSHION

- a. Install a new rear door stiffener cushion with the 2 bolts and apply thorough pressure to the sections with double-sided tape.

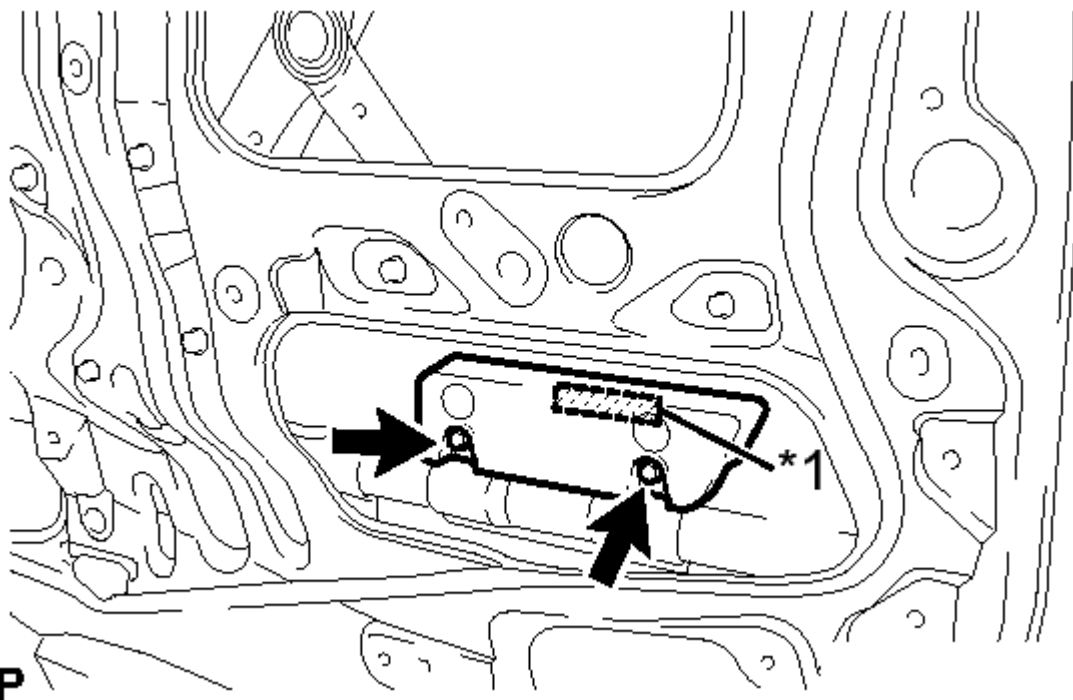


Fig. 168: Identifying Rear Door Stiffener Cushion & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

TEXT IN ILLUSTRATION

*1	Double- sided Tape
----	--------------------------

10. **INSTALL POWER SLIDE DOOR SENSOR ASSEMBLY (w/ Power Slide Door)** See step 1
11. **INSTALL CENTER PILLAR UPPER END WEATHERSTRIP (w/o Power Slide Door)**
 - a. Engage the 2 clips and install the center pillar upper end weatherstrip.

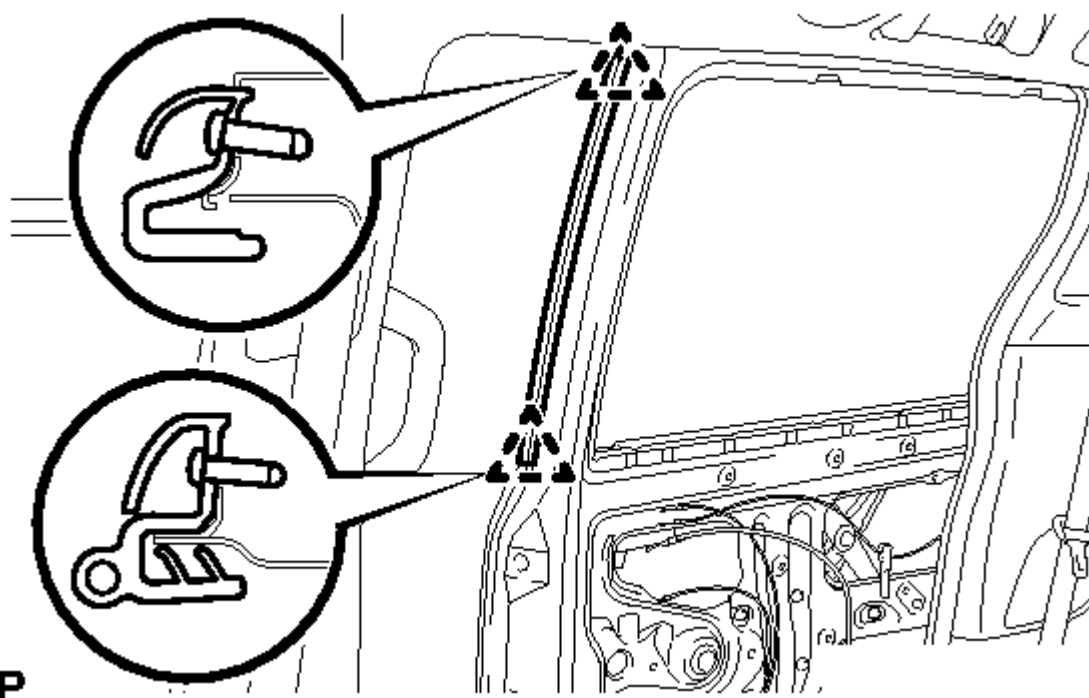
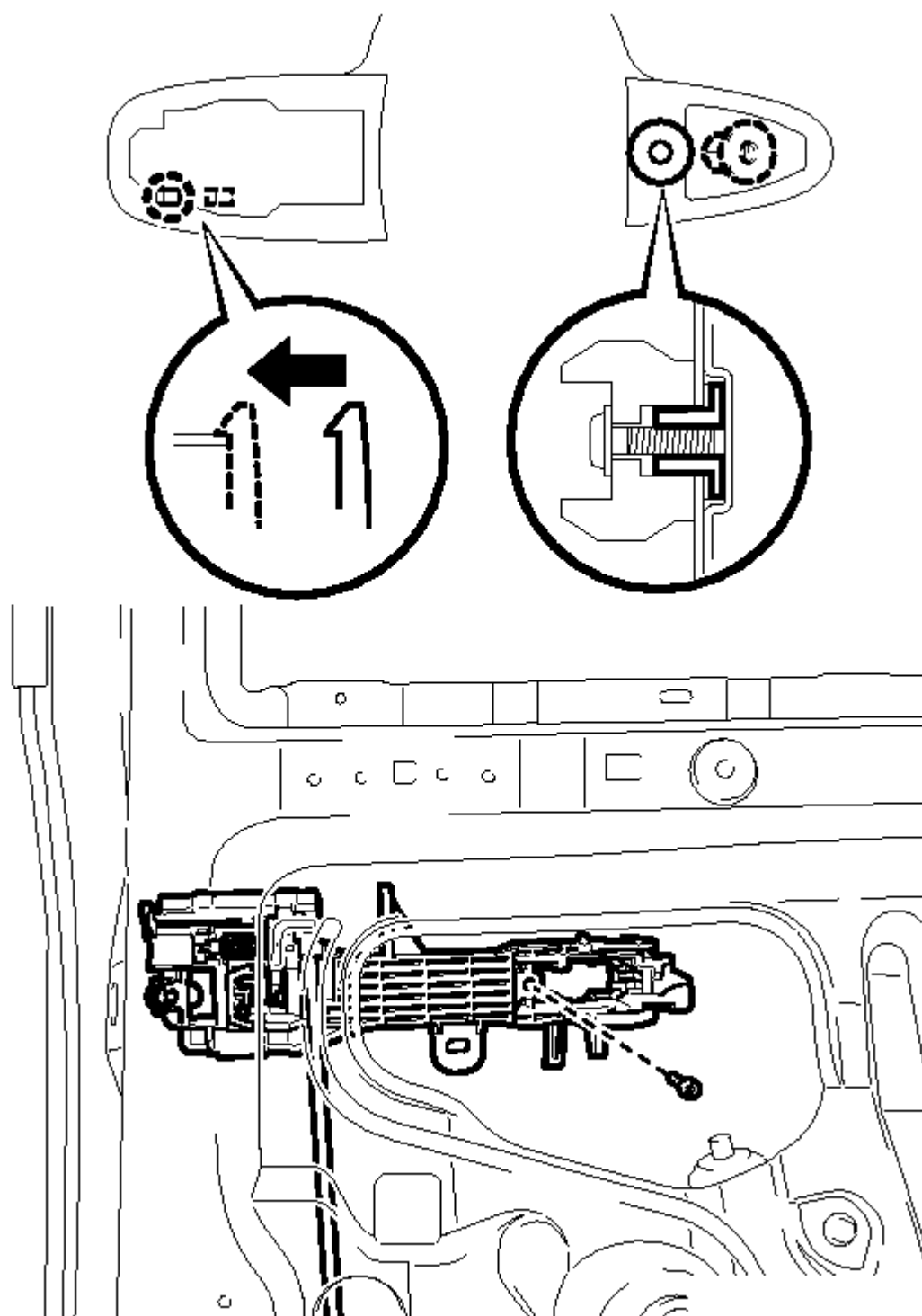


Fig. 169: Identifying Center Pillar Upper End Weatherstrip & Clips (w/o Power Slide Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

12. INSTALL REAR DOOR OUTSIDE HANDLE FRAME SUB-ASSEMBLY

- a. Apply MP grease to the sliding parts on the rear door outside handle frame.
- b. Engage the claw to install the rear door outside handle frame.



P

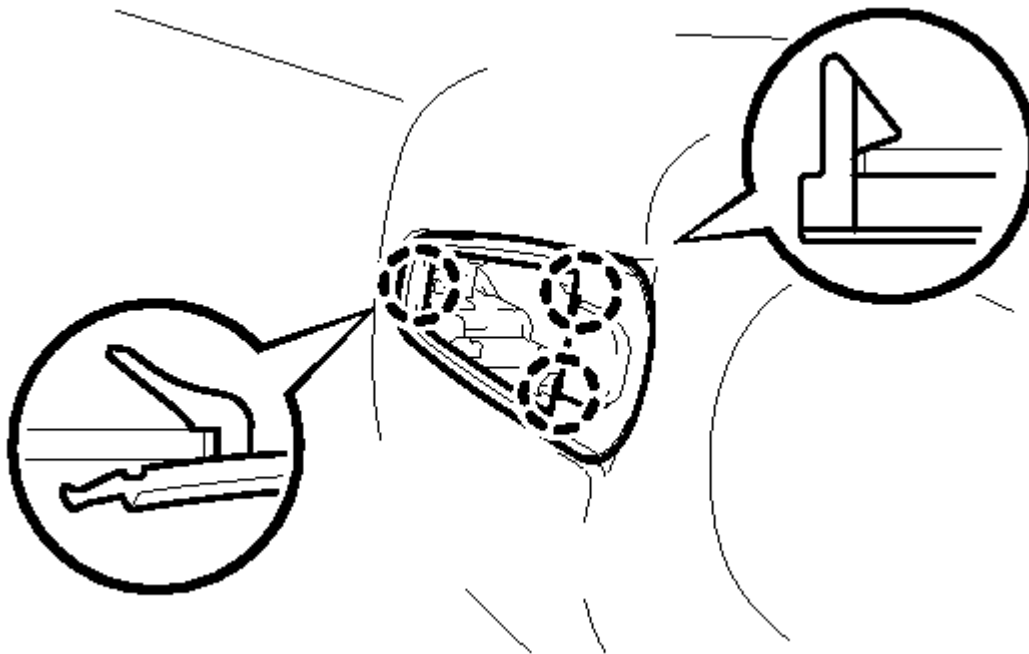
Fig. 170: Identifying Rear Door Outside Handle Frame Sub-Assembly & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Using a T30 "TORX" socket wrench, install the rear door outside handle frame with the screw.

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

13. INSTALL REAR DOOR OUTSIDE HANDLE REAR PAD

- a. Engage the 3 claws to install the rear door outside handle rear pad.



P

Fig. 171: Identifying Rear Door Outside Handle Rear Pad & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

14. INSTALL REAR DOOR OUTSIDE HANDLE FRONT PAD

- a. Engage the 2 claws to install the rear door outside handle front pad.

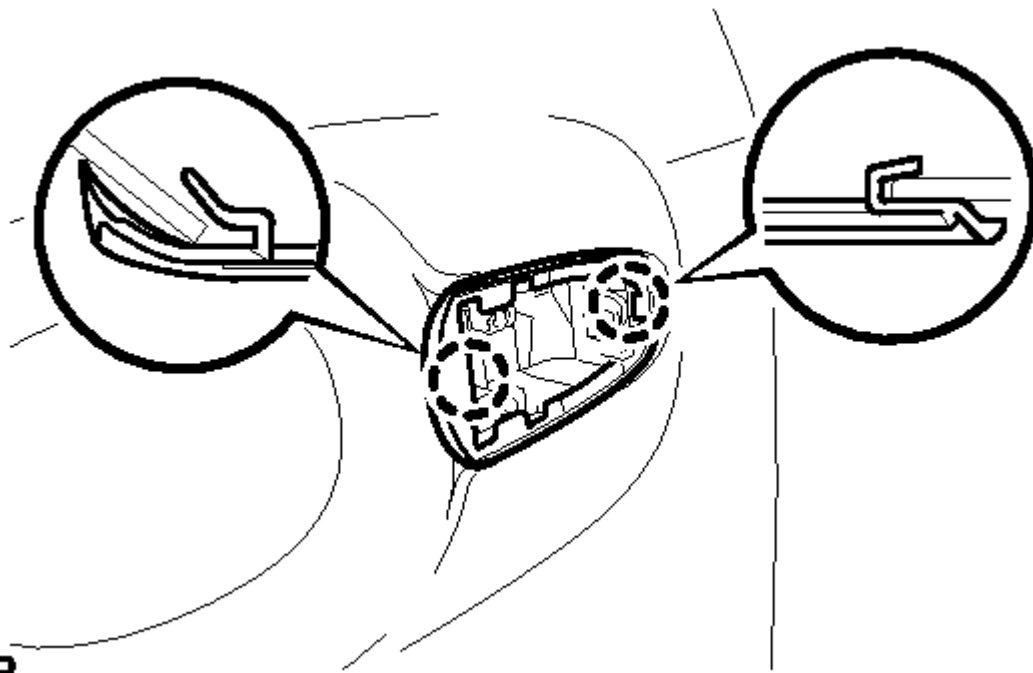


Fig. 172: Identifying Rear Door Outside Handle Front Pad & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

15. INSTALL REAR DOOR OUTSIDE HANDLE ASSEMBLY

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

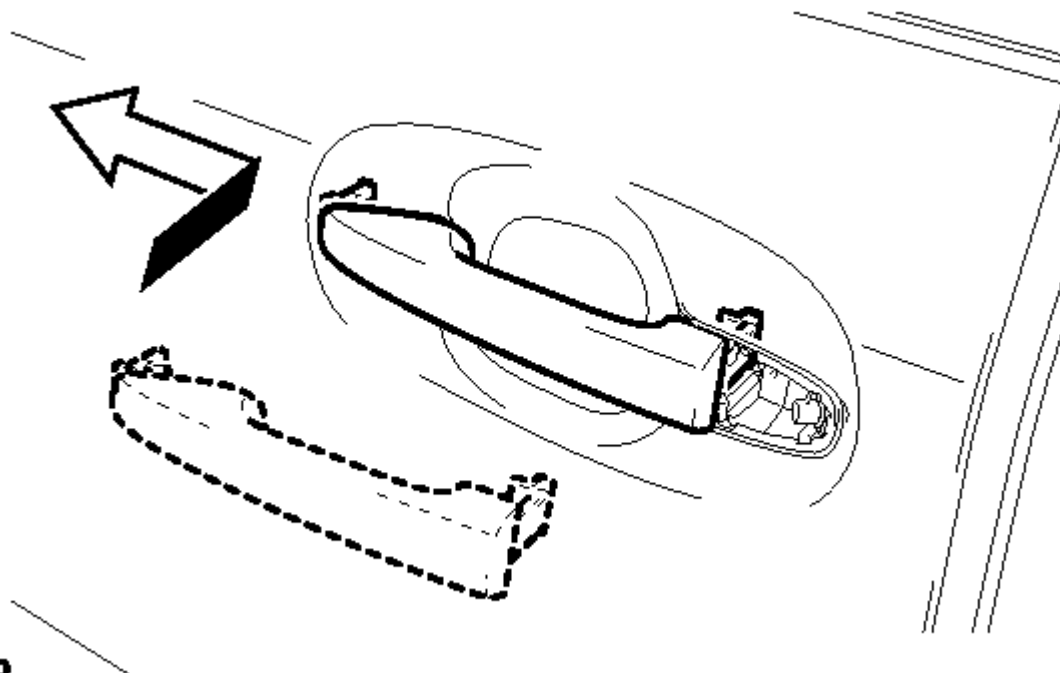
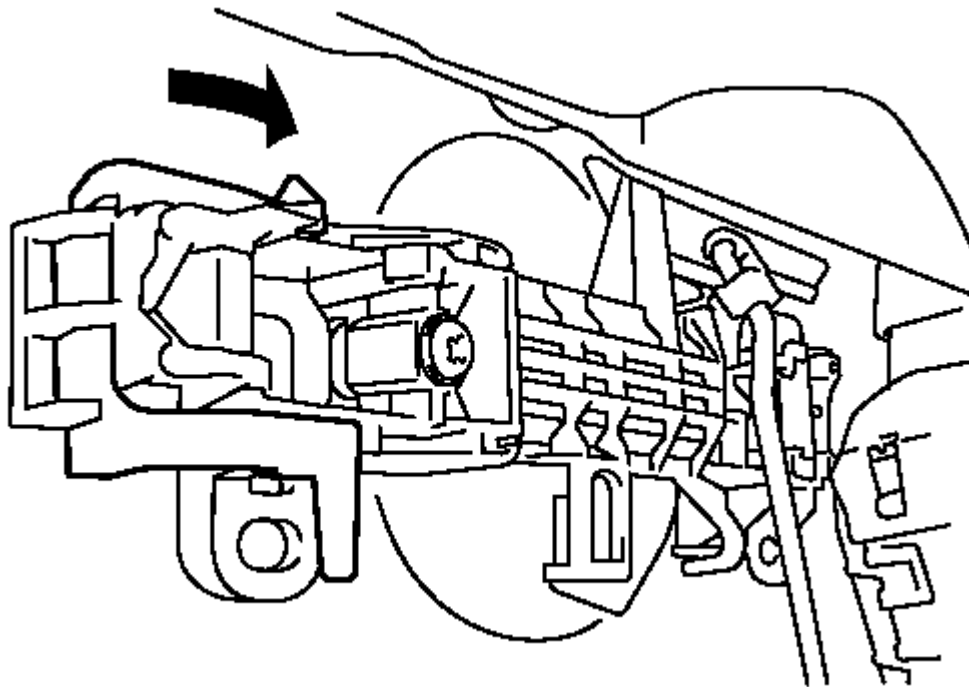


Fig. 173: Installing Rear Door Outside Handle Assembly

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: 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 may be damaged.

- b. Insert the rear end of the rear door outside handle into the rear door outside handle frame. Next, slide the rear door outside handle toward the front of the vehicle to install it.
- c. Pull down the door handle holder as shown by the arrow and lock the front door outside handle.



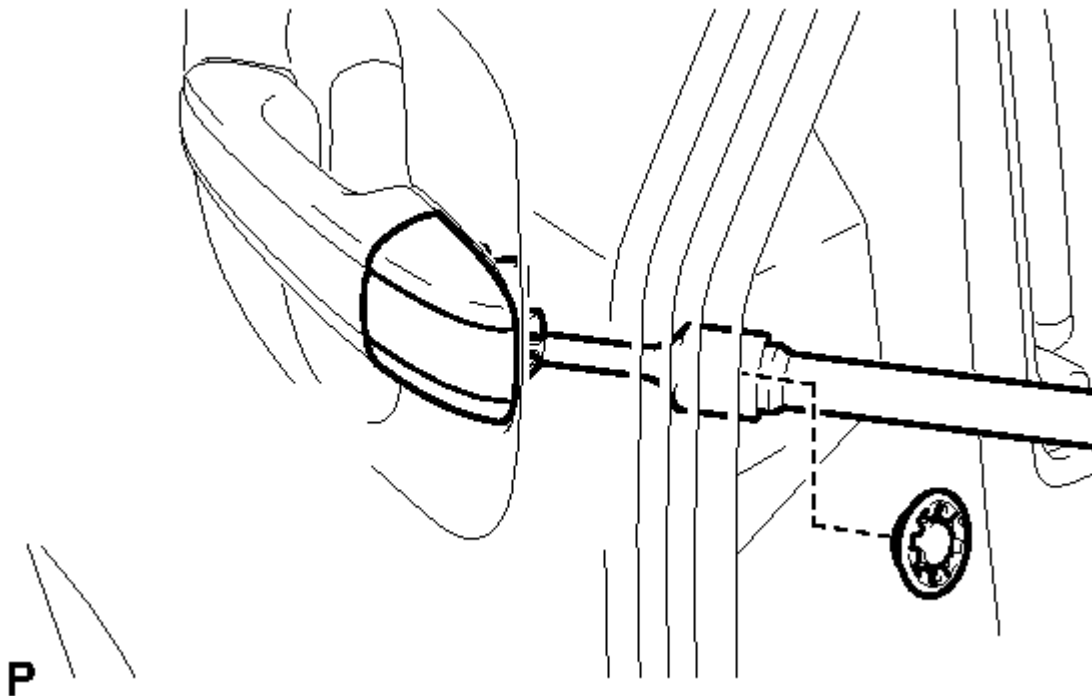
Y

Fig. 174: Installing Down Door Handle Holder

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

16. INSTALL REAR DOOR OUTSIDE HANDLE COVER

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

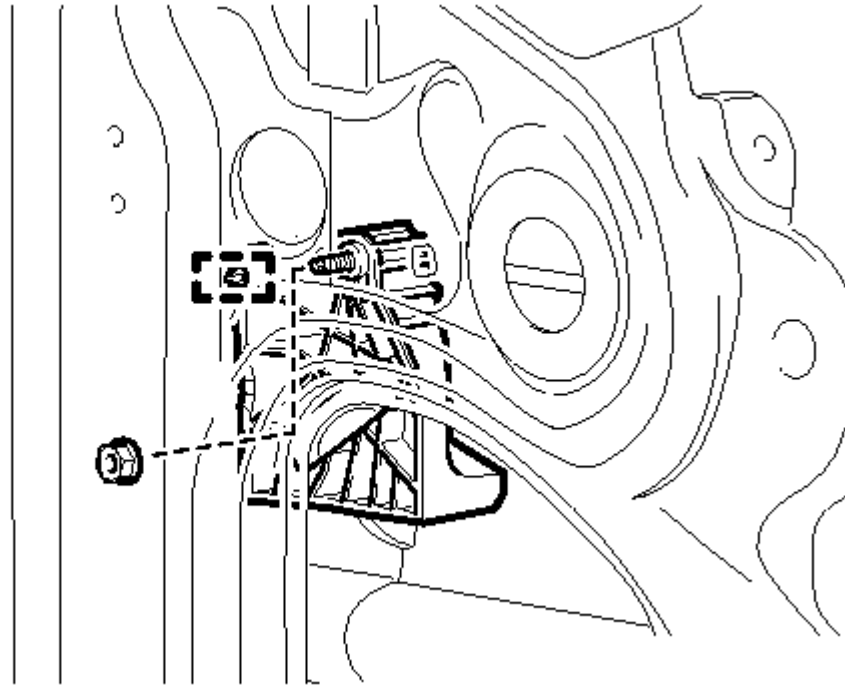


P

Fig. 175: Identifying Rear Door Outside Handle Cover & Hole Plug
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

17. **INSTALL SLIDE DOOR REAR LOCK ASSEMBLY (w/o Power Slide Door)** . Refer to **INSTALLATION - Step 1**
18. **INSTALL POWER SLIDE DOOR LOCK ASSEMBLY (w/ Power Slide Door)** . Refer to **INSTALLATION - Step 2**
19. **REMOVE REAR DOOR INSIDE LOCKING LINK PROTECTOR**
 - a. Engage the clamp and install the rear door inside locking link protector.



P

Fig. 176: Identifying Rear Door Inside Locking Link Protector, Clamp & Nut
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Install the nut.

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

- 20. **INSTALL SLIDE DOOR FRONT LOCK ASSEMBLY** . Refer to **INSTALLATION - Step 3**
- 21. **INSTALL REAR DOOR WINDOW REAR LOWER FRAME SUB-ASSEMBLY**
 - a. Install the rear door window rear lower frame with the 2 bolts.

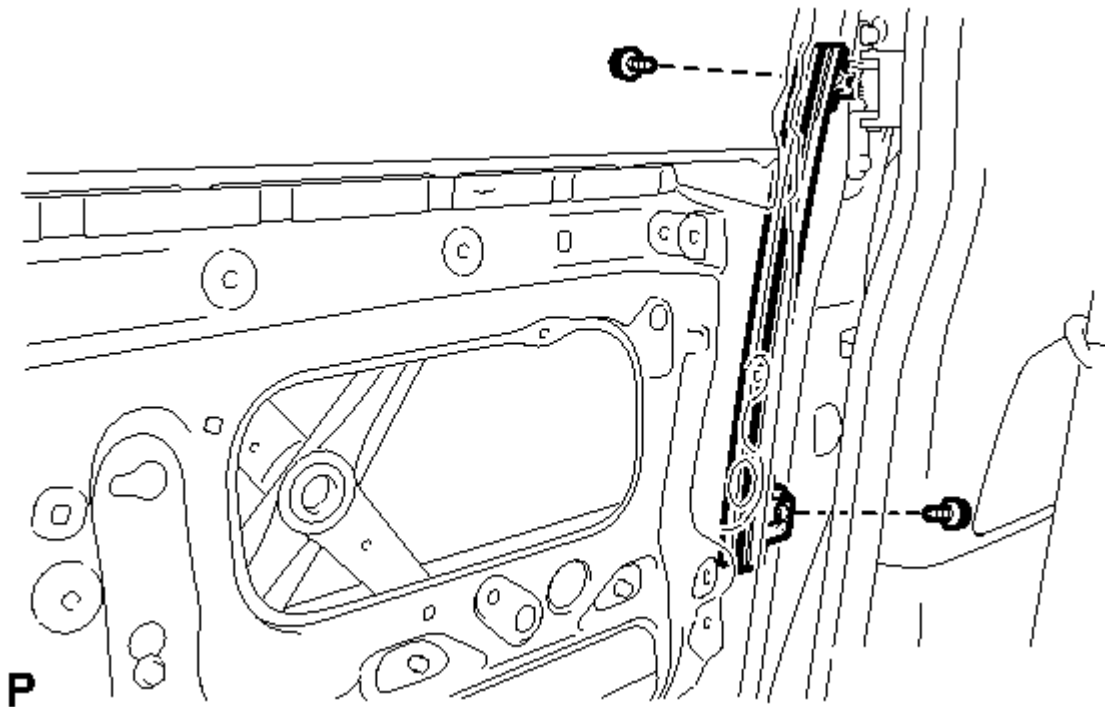


Fig. 177: Identifying Rear Door Window Rear Lower Frame Sub-Assembly & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

22. INSTALL REAR DOOR WINDOW REGULATOR SUB-ASSEMBLY

- a. Apply MP grease to the sliding parts of the rear door window regulator.
- b. Install the temporary bolt A to the rear door window regulator.

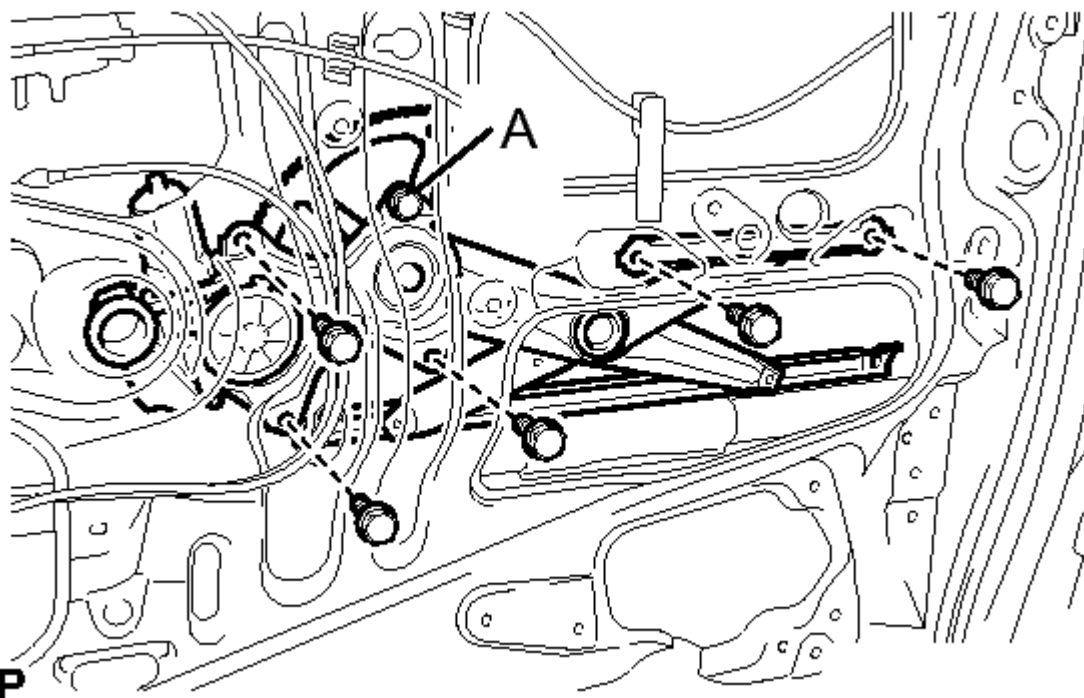


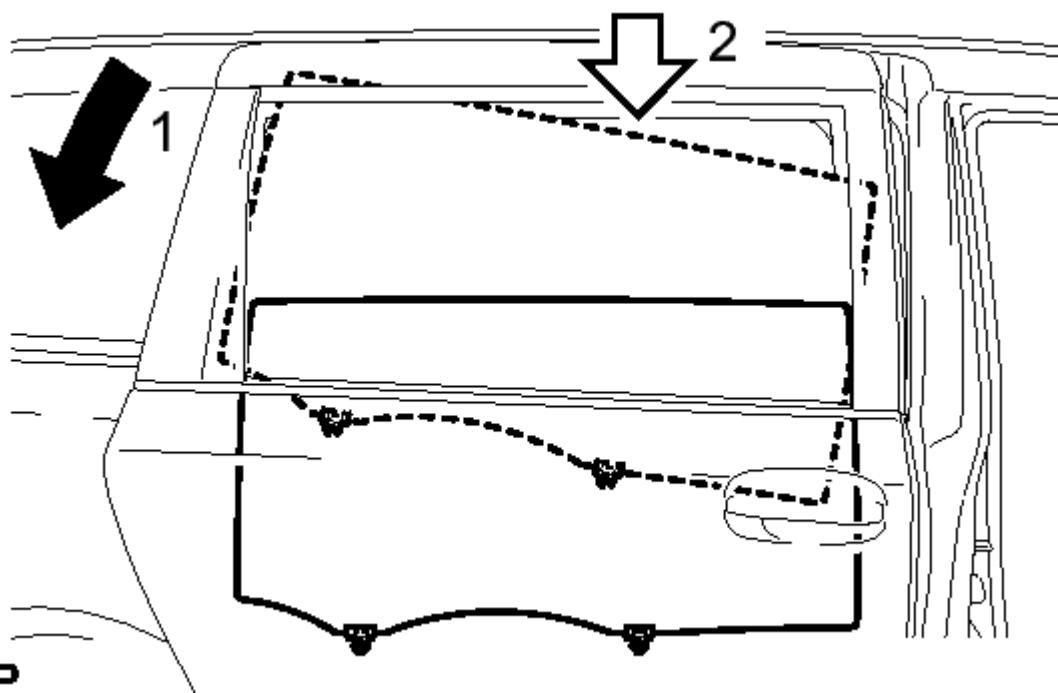
Fig. 178: Identifying Rear Door Window Regulator Sub-Assembly & Bolts
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Temporarily install the rear door window regulator.
- d. Tighten the 6 bolts in the order shown in the illustration to install the rear door window regulator.

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

23. INSTALL REAR DOOR GLASS SUB-ASSEMBLY

- a. Insert the rear door into the door panel as indicated by the arrows, in the order shown in the illustration.

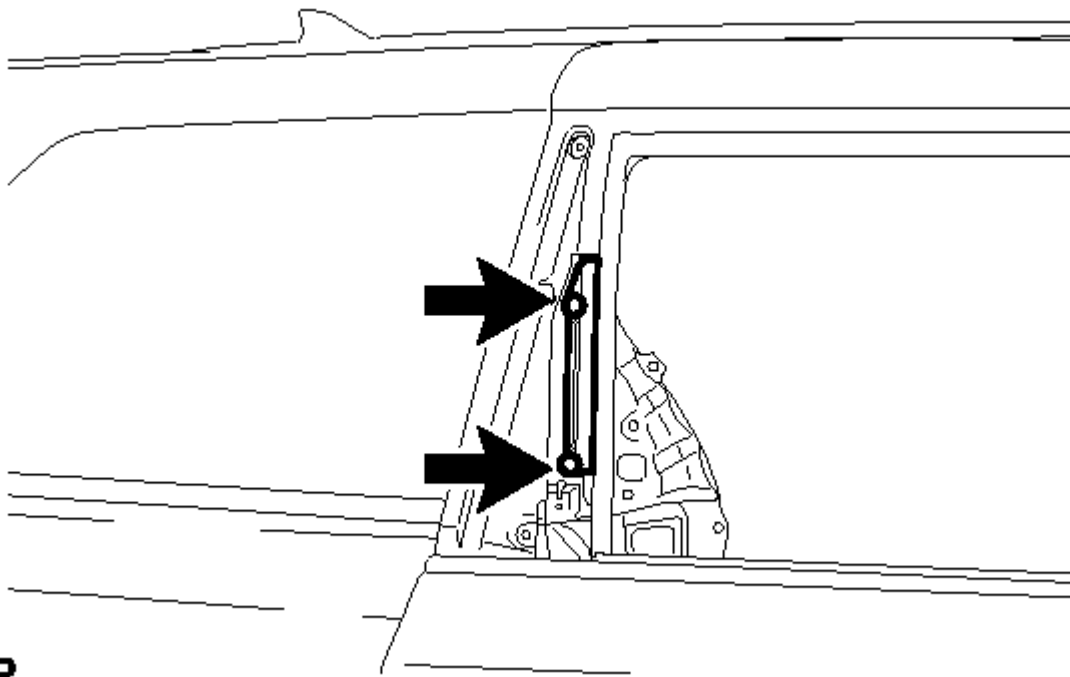


P

Fig. 179: Installing Rear Door Glass Sub-Assembly
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

- b. Install the rear door glass with the 2 bolts.
24. **INSTALL NO. 2 REAR DOOR GLASS RUN**
- a. Install the No. 2 slide door glass run with the 2 bolts.



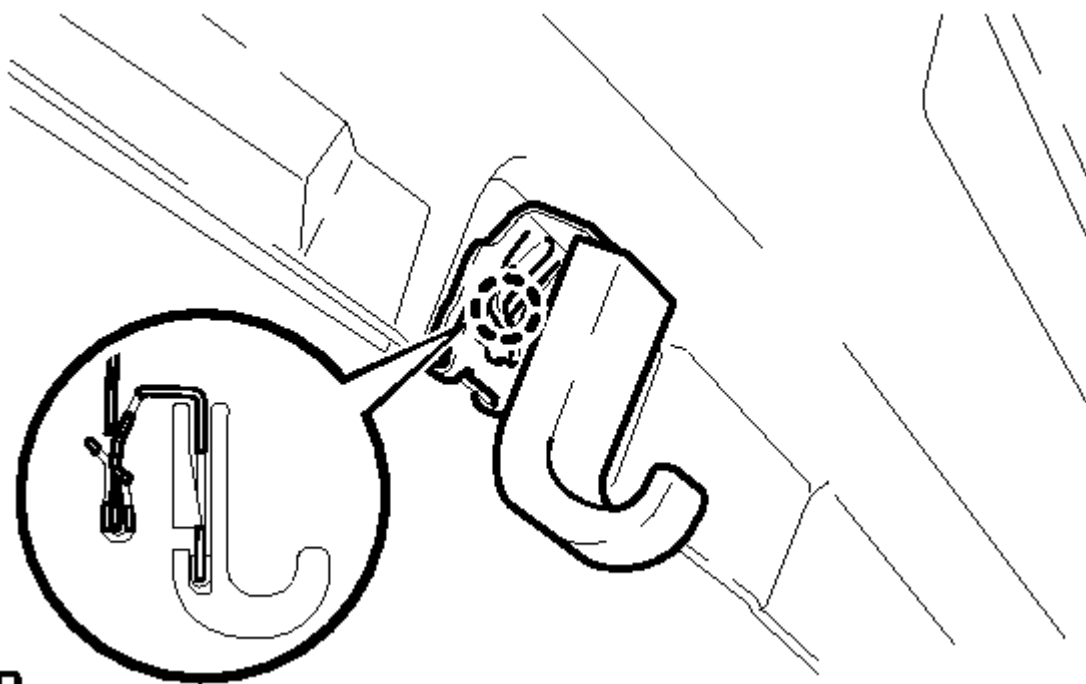
P

Fig. 180: Identifying No. 2 Rear Door Glass Run & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

25. INSTALL SUNSHADE HOOK

- a. Engage the claw and install the sunshade hook.



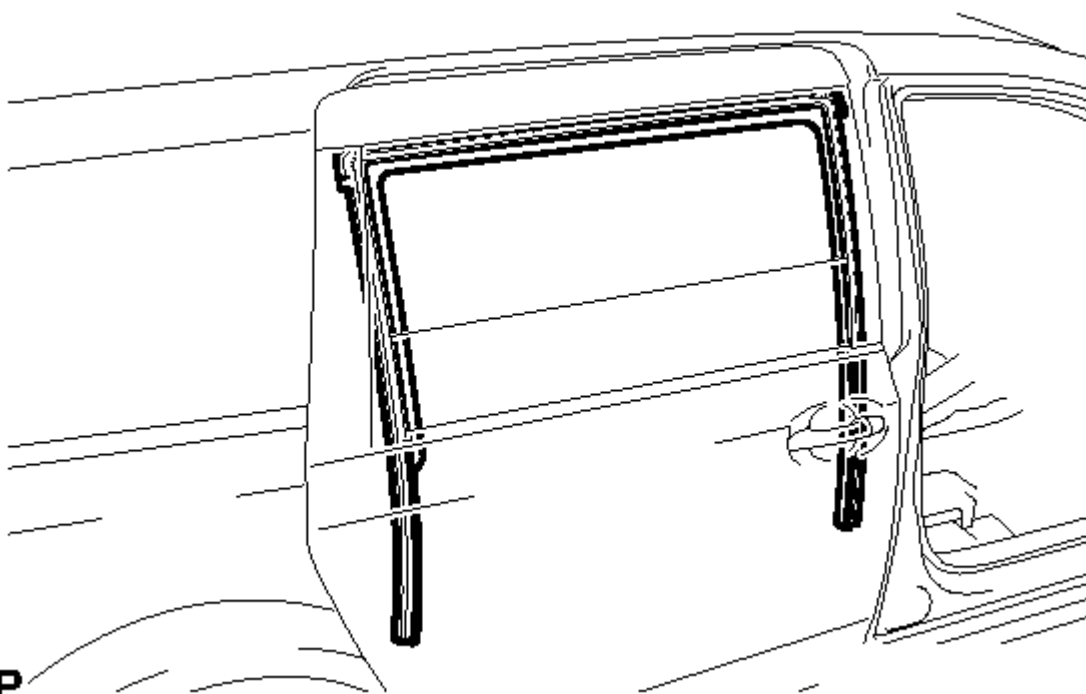
P

Fig. 181: Identifying Sunshade Hook & Claw

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

26. INSTALL REAR DOOR GLASS RUN

- a. Install the rear door glass run.



P

Fig. 182: Identifying Rear Door Glass Run

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

27. INSTALL REAR DOOR GLASS OUTER WEATHERSTRIP ASSEMBLY

HINT:

Use the same procedure as for the LH side. Refer to INSTALLATION - Step 1 .

28. INSTALL REAR DOOR WINDOW FRAME REAR MOULDING

HINT:

Use the same procedure as for the LH side. Refer to INSTALLATION - Step 1 .

29. INSTALL SLIDE DOOR SERVICE HOLE COVER

- a. Engage the clamp.

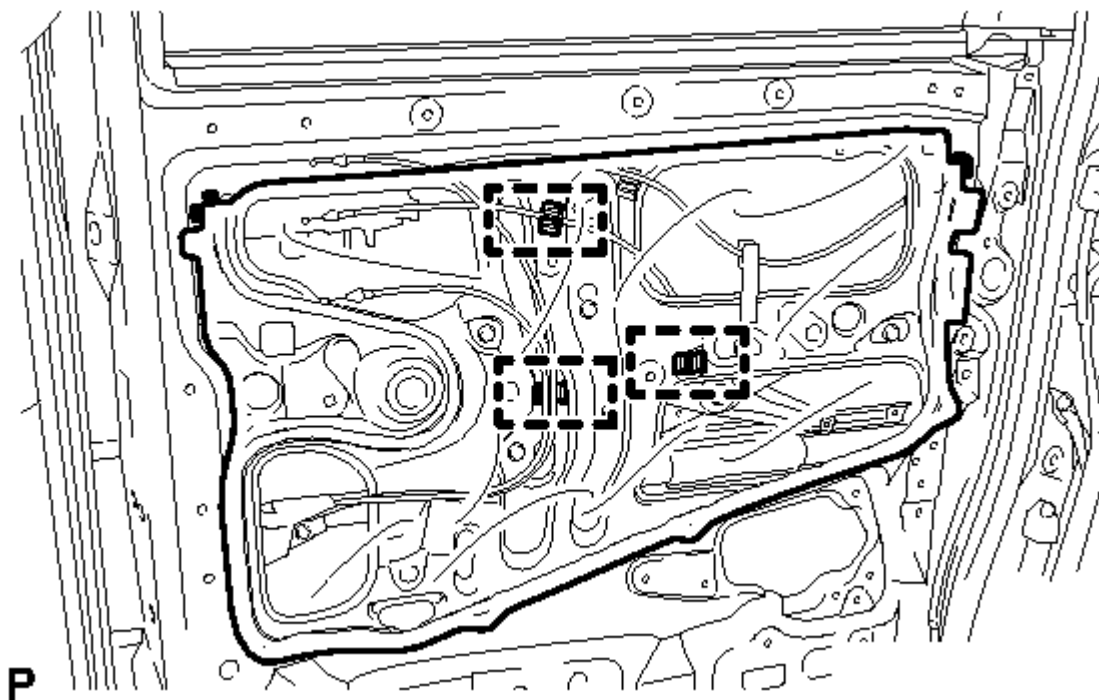


Fig. 183: Identifying Slide Door Service Hole Cover & Clamps
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Attach a new slide door service hole cover according to the reference points on the slide door panel.

NOTE: **Securely install the slide door service hole cover avoiding wrinkles and air bubbles.**

- c. Engage the 2 clamps.

30. INSTALL SLIDE DOOR FULL OPEN STOP LOCK ASSEMBLY

- a. Insert the 2 bolts and slide door full open stop lock.

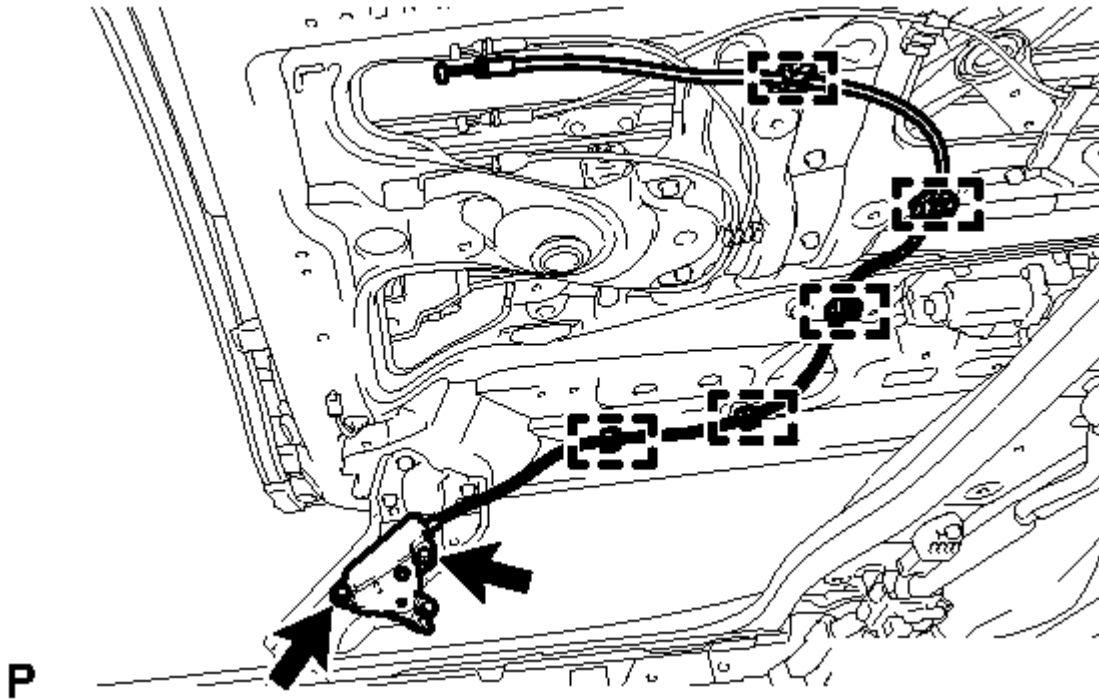


Fig. 184: Identifying Slide Door Full Open Stop Lock Assembly, Clamps & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 7.5 N*m (76 kgf*cm, 66 in.*lbf)

- b. Engage the 5 clamps.
- 31. INSTALL POWER SLIDE DOOR MOTOR UNIT (w/ Power Slide Door) See step 1**
- 32. INSTALL SLIDE RAIL END MOULDING (w/ Power Slide Door)**
- a. Engage the clamp and 2 claws and install the slide rail end moulding.

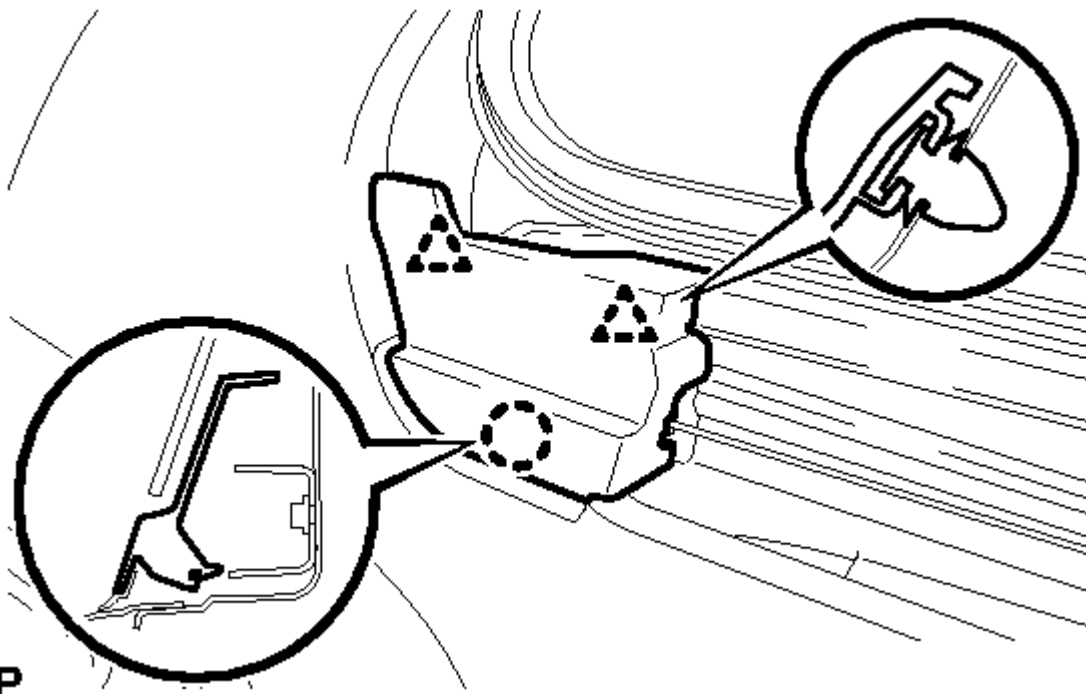


Fig. 185: Identifying Slide Rail End Moulding & Fasteners (w/ Power Slide Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

33. INSTALL QUARTER WINDOW GLASS (w/ Power Slide Door)

Refer to INSTALLATION

34. INSTALL REAR DOOR WIRE (w/o Power Slide Door)

- a. Engage the 2 clips and install the rear door No. 1 wire.

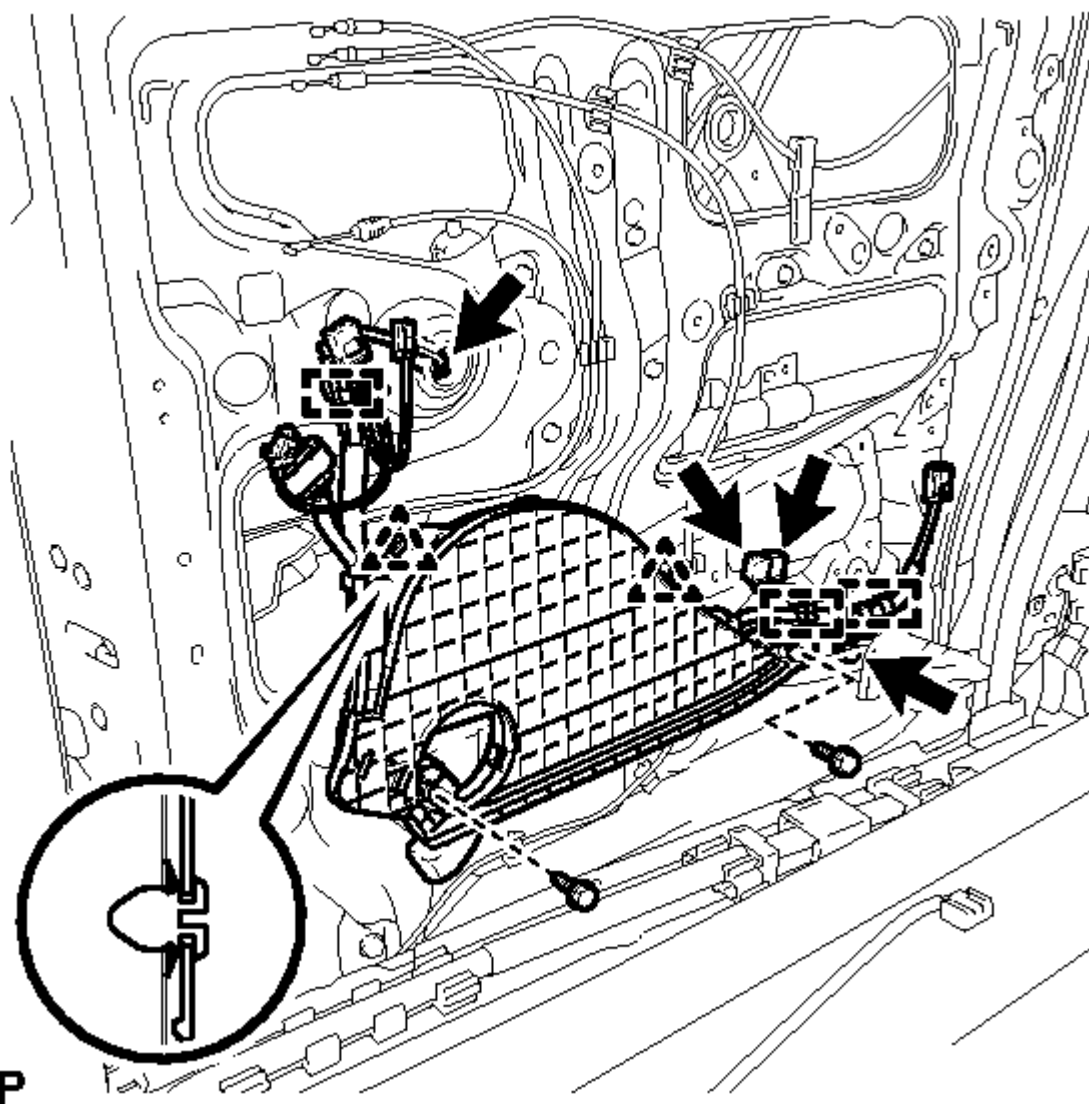


Fig. 186: Identifying Rear Door Wire Connectors & Fasteners (w/o Power Slide Door)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Install the 2 bolts.

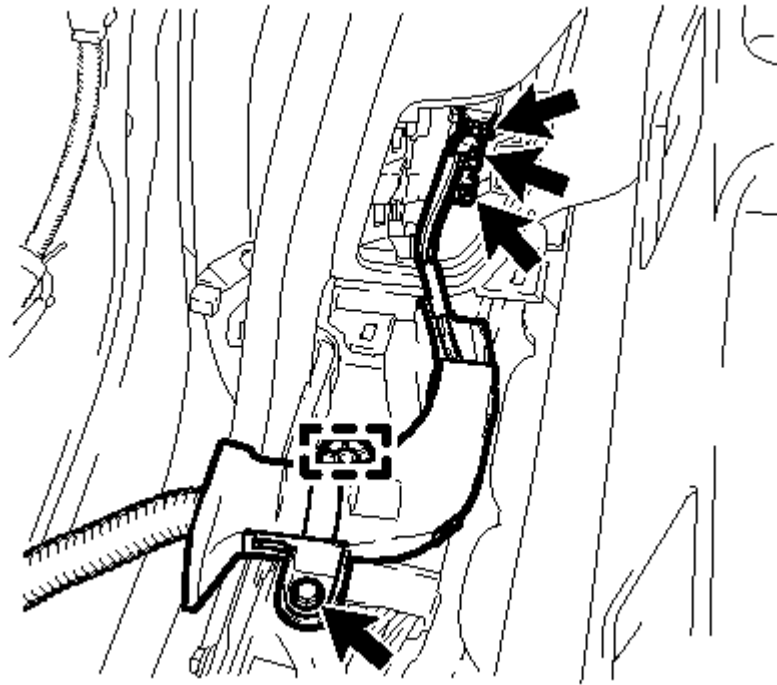
Torque: 6.2 N*m (63 kgf*cm, 55 in.*lbf)

- c. Install the 3 clamps.
- d. Connect the connectors.
- e. Install the bolt and connect the ground wire.

Torque: 8.5 N*m (87 kgf*cm, 75 in.*lbf)

- f. Engage the guide and install the bolt.

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



P

Fig. 187: Identifying Rear Door Wire, Connectors & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- g. Connect the connectors.
- 35. **INSTALL REAR DOOR WIRE (w/ Power Slide Door)**
 - a. Engage the 2 clips and install the rear door No. 1 wire.

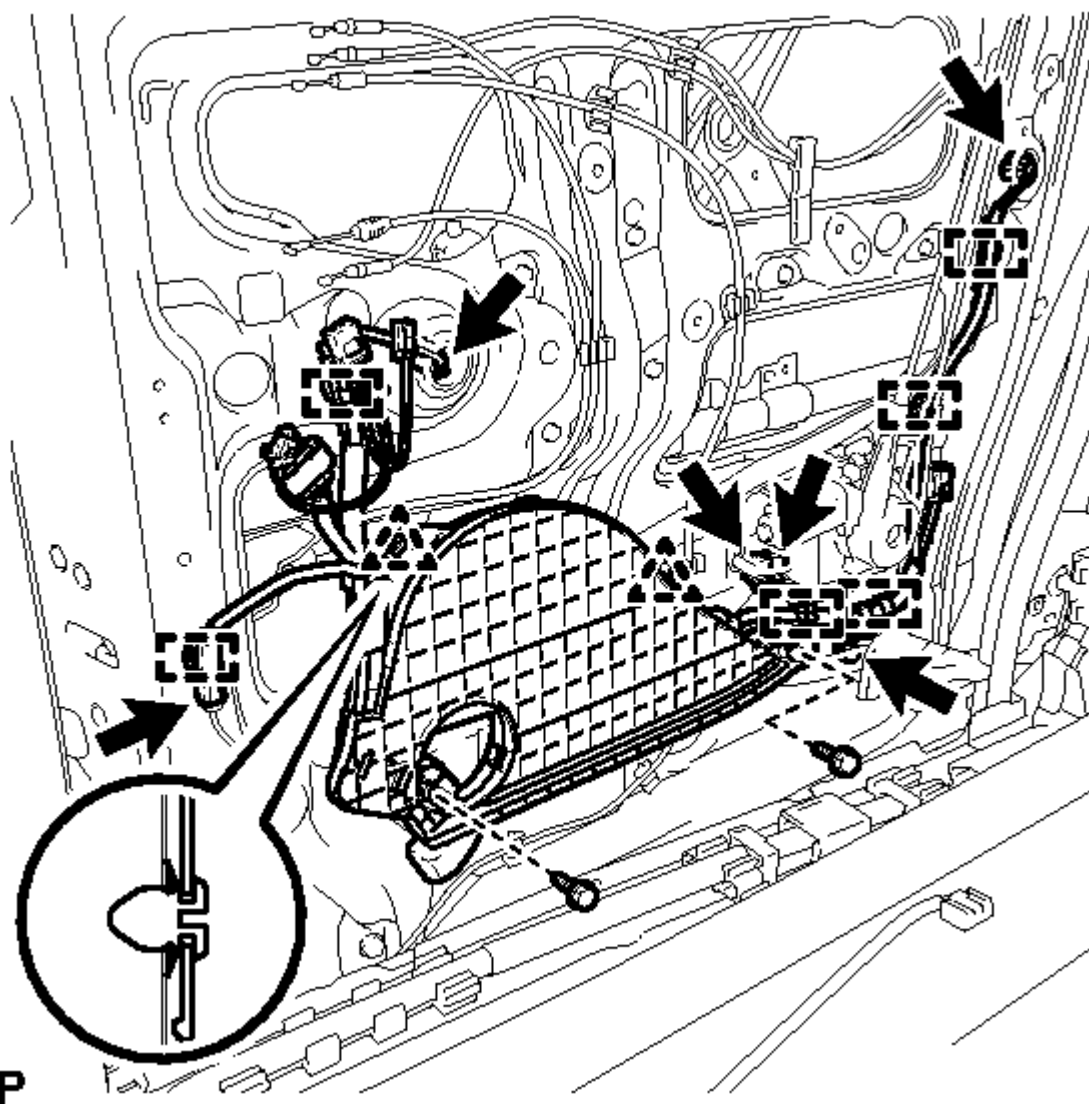


Fig. 188: Identifying Rear Door Wire Connectors & Fasteners (w/ Power Slide Door)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Install the 2 bolts.

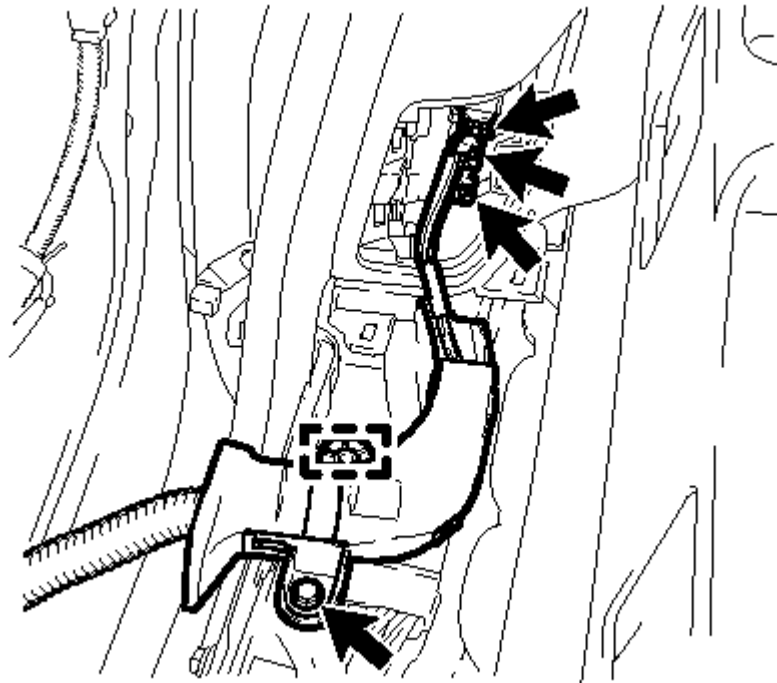
Torque: 6.2 N*m (63 kgf*cm, 55 in.*lbf)

- c. Install the 6 clamps.
- d. Connect the connectors.
- e. Install the bolt and connect the ground wire.

Torque: 8.5 N*m (87 kgf*cm, 75 in.*lbf)

- f. Engage the guide and install the bolt.

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



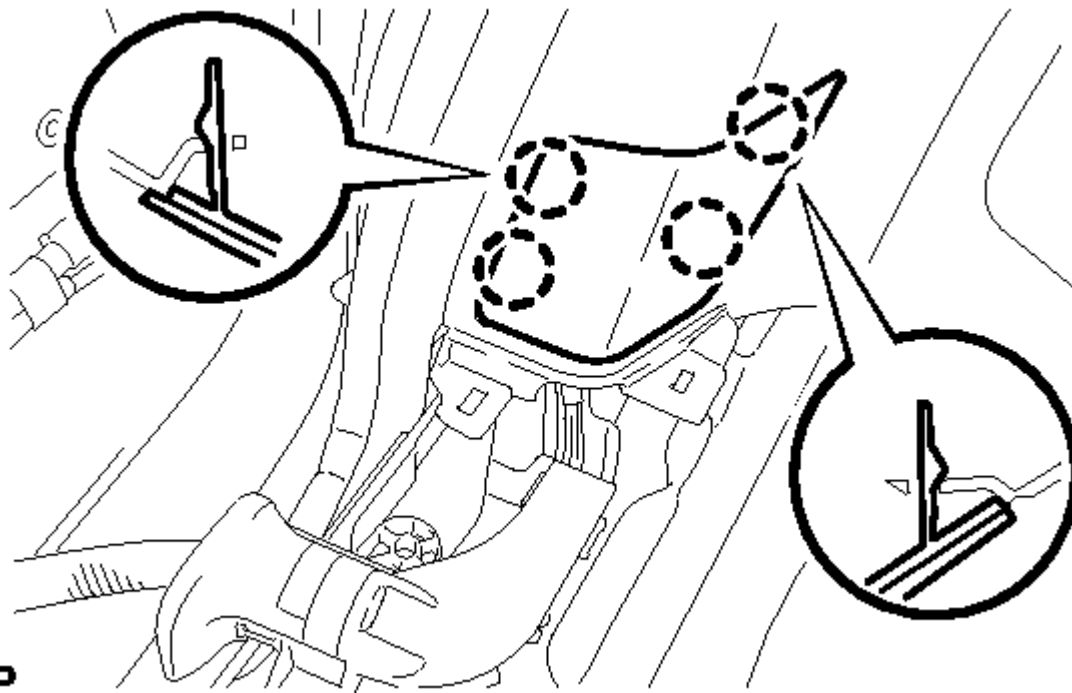
P

Fig. 189: Identifying Rear Door Wire, Connectors & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- g. Connect the connectors.

36. INSTALL QUARTER TRIM COVER HOLE

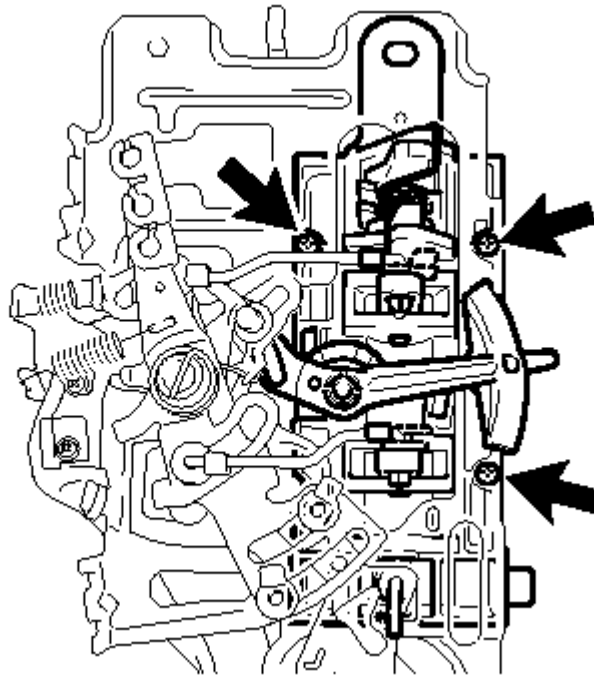
- a. Engage the 4 claws and install the quarter trim cover hole.



P

Fig. 190: Identifying Quarter Trim Cover Hole & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

37. **INSTALL REAR DOOR SCUFF PLATE** . Refer to **INSTALLATION - Step 27**
38. **INSTALL REAR DOOR INSIDE HANDLE SUB-ASSEMBLY**
 - a. Install the rear door inside handle with the 3 screws.

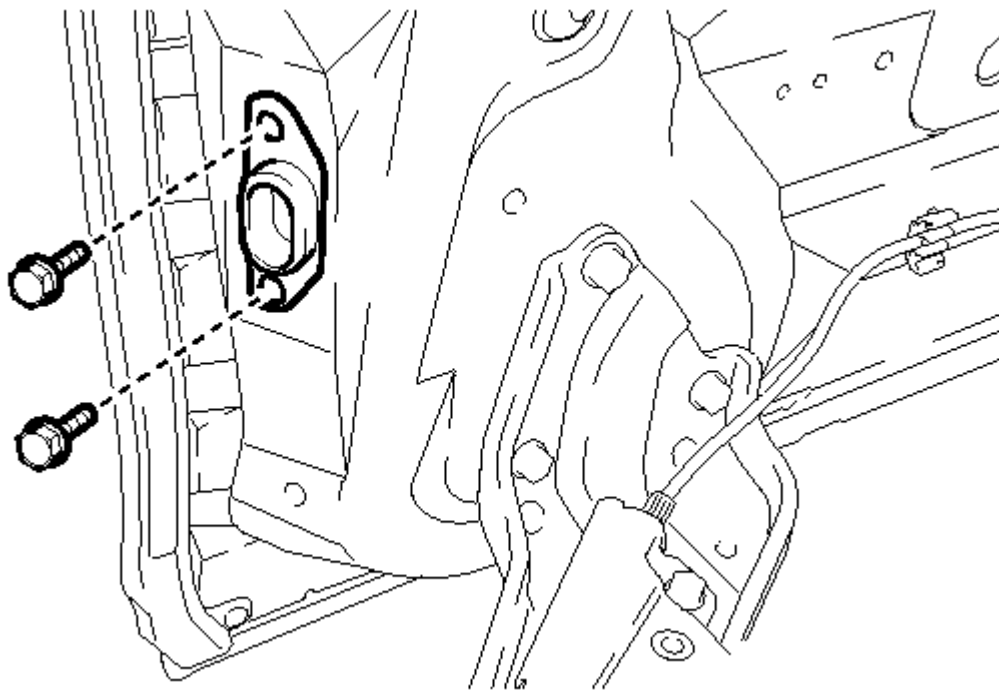


P

Fig. 191: Identifying Rear Door Inside Handle Sub-Assembly & Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Connect each rod.
39. **INSTALL SLIDE DOOR HANDLE ASSEMBLY (w/o Power Slide Door)** . Refer to **INSTALLATION - Step 19**
40. **INSTALL SLIDE DOOR HANDLE ASSEMBLY (w/ Power Slide Door)** . Refer to **INSTALLATION - Step 20**
41. **INSTALL SLIDE DOOR DOWN FEMALE STOPPER**
 - a. Install the slide door down female stopper with the 2 bolts.

Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf)

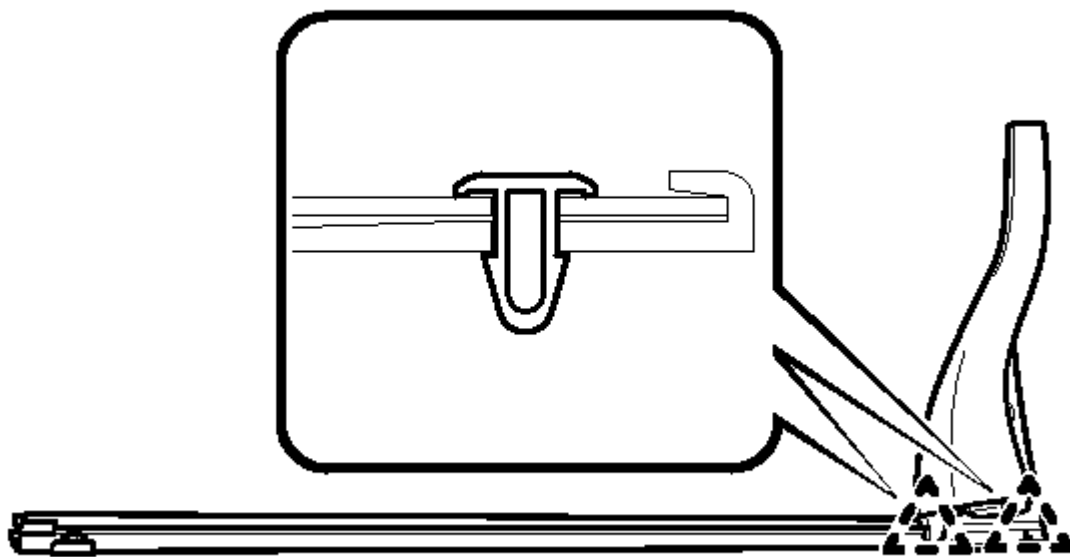


P

Fig. 192: Identifying Slide Door Down Female Stopper & Bolts
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

42. INSTALL SLIDE DOOR WINDOW GARNISH

- a. Engage the 2 clips and the claw and install the slide door window garnish to the slide door glass inner weatherstrip.

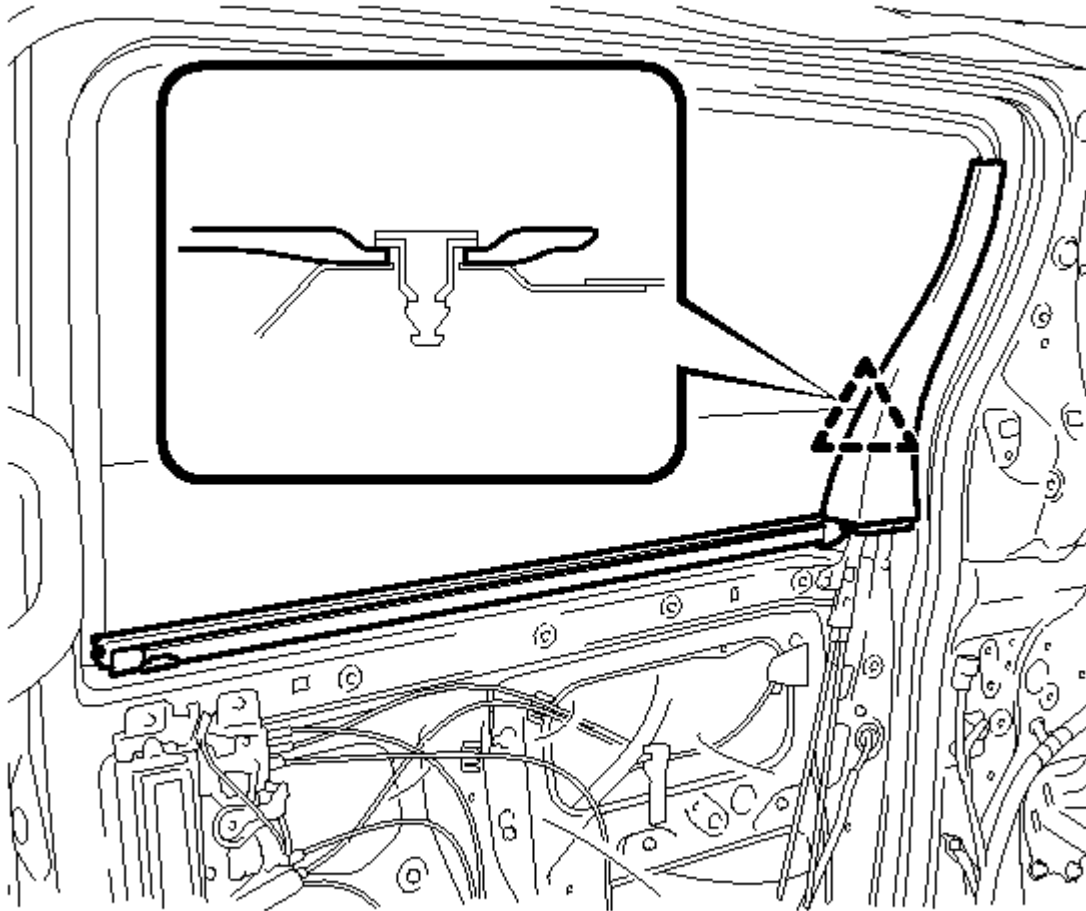


P

Fig. 193: Identifying Slide Door Window Garnish & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

43. INSTALL REAR DOOR GLASS INNER WEATHERSTRIP

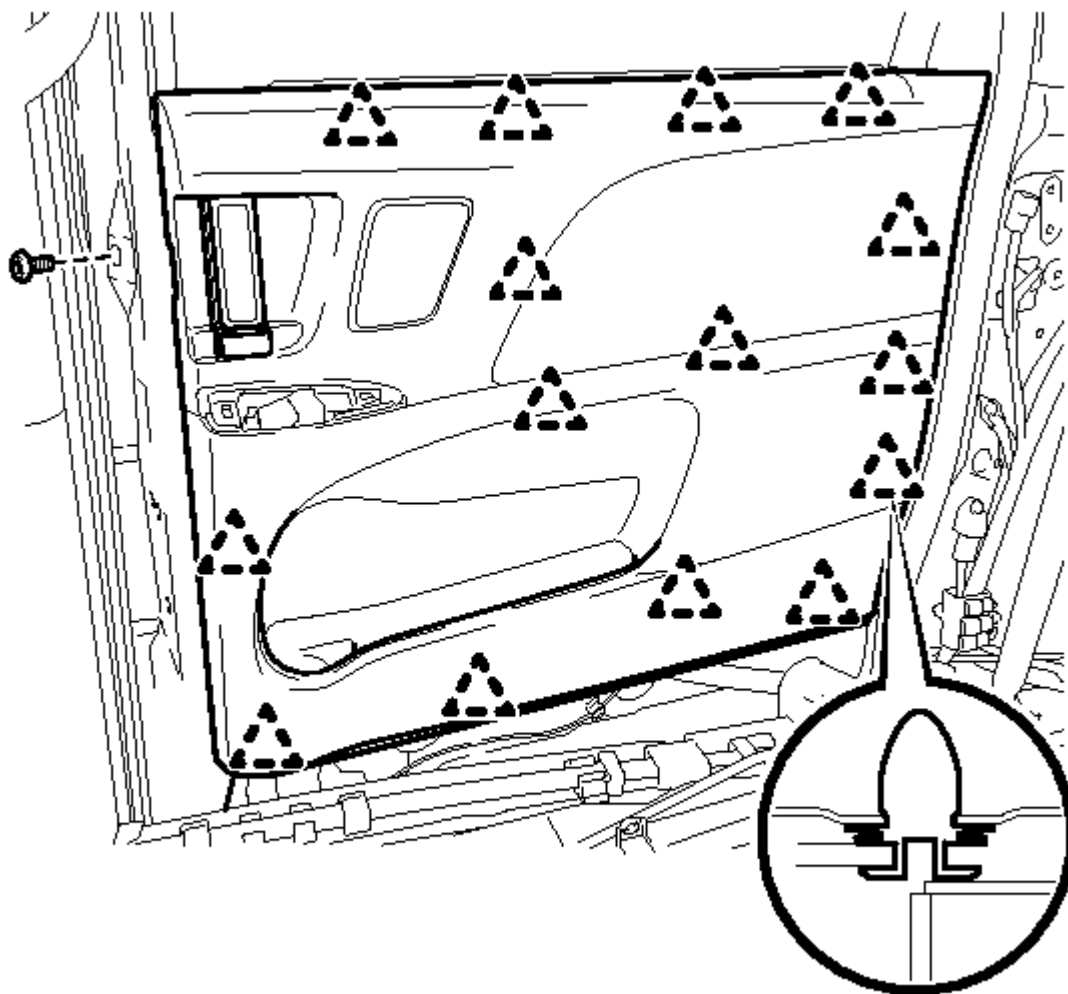
- a. Engage the clip to install the rear door glass inner weatherstrip with slide door window garnish.



P

Fig. 194: Identifying Rear Door Glass Inner Weatherstrip & Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

44. **INSTALL REAR NO. 2 SPEAKER ASSEMBLY (for 10 Speakers)** . Refer to **INSTALLATION - Step 1**
45. **INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY**
 - a. Connect the connector.



P

Fig. 195: Identifying Rear Door Trim Board Sub-Assembly, Clips & Screw
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Engage the 15 clips and remove the rear door trim board.
 - c. Using a T25 "TORX" socket wrench, install the screw.
- 46. INSTALL REAR DOOR ARMREST BASE UPPER PANEL**
- a. Engage the claw and 2 clips and install the rear door armrest base upper panel.

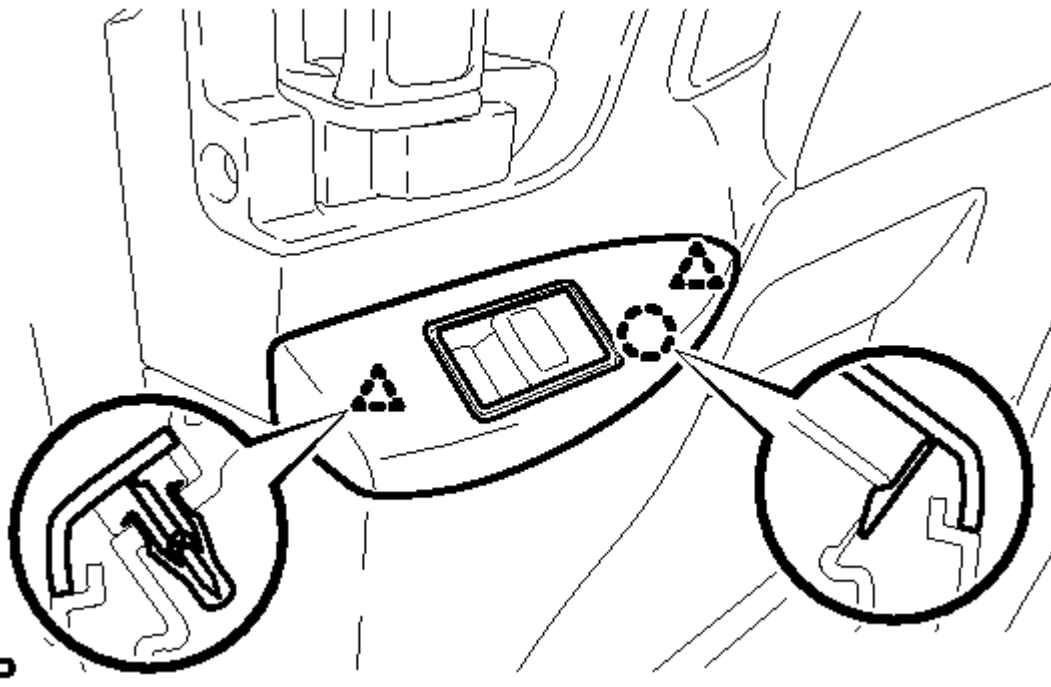


Fig. 196: Identifying Rear Door Armrest Base Upper Panel & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

47. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

NOTE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to INITIALIZATION .

POWER SLIDE DOOR MAIN SWITCH

COMPONENTS

ILLUSTRATION

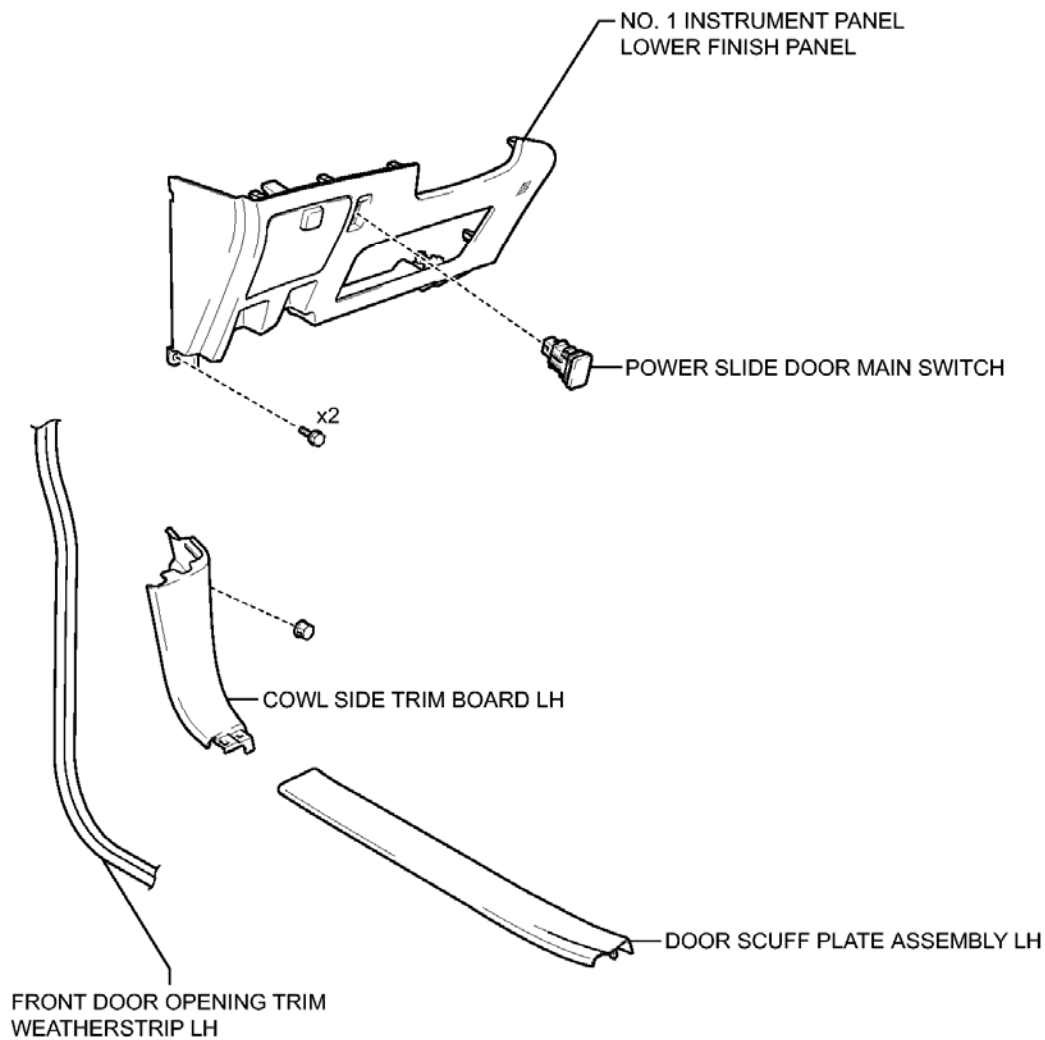


Fig. 197: Power Slide Door Main Switch Replacement Components
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. REMOVE DOOR SCUFF PLATE ASSEMBLY LH

HINT:

Use the same procedure as for the RH side. Refer to REMOVAL - Step 13 .

2. **SEPARATE FRONT DOOR OPENING TRIM WEATHERSTRIP LH**
3. **REMOVE COWL SIDE TRIM BOARD LH**

HINT:

Use the same procedure as for the RH side. Refer to REMOVAL - Step 15 .

4. **REMOVE NO. 1 INSTRUMENT PANEL LOWER FINISH PANEL** . Refer to REMOVAL - Step 19
5. **REMOVE POWER SLIDE DOOR MAIN SWITCH**
 - a. Disengage the 2 claws and remove the power slide door main switch.

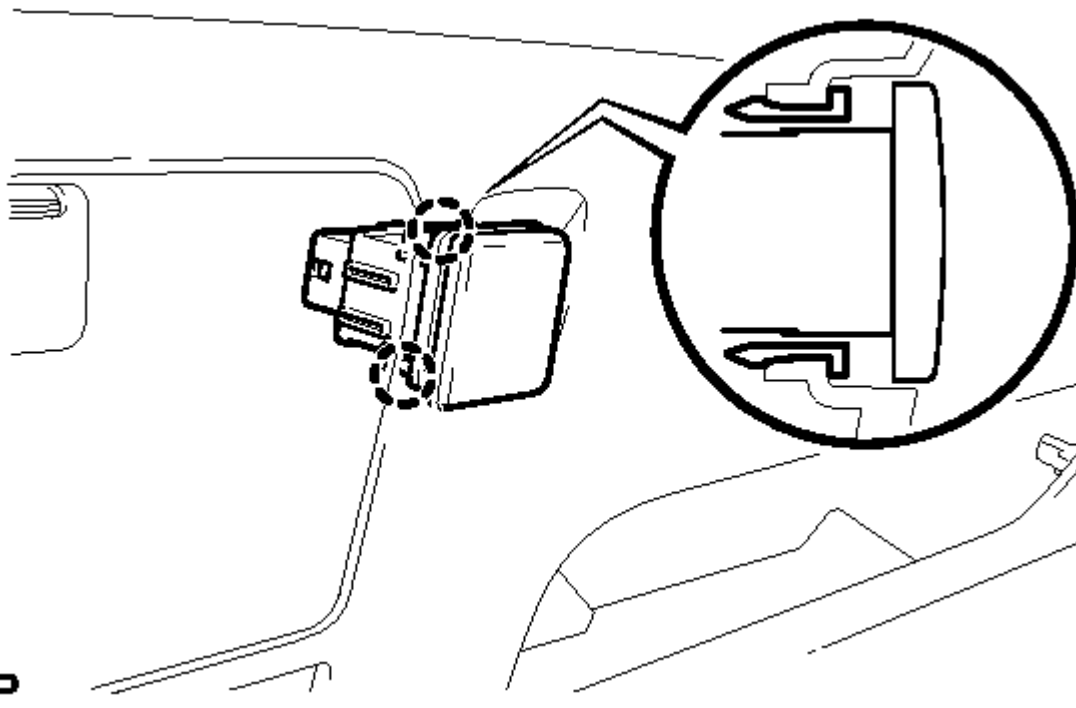


Fig. 198: Identifying Power Slide Door Main Switch & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSPECTION

INSPECTION

1. **INSPECT POWER SLIDE DOOR MAIN SWITCH**

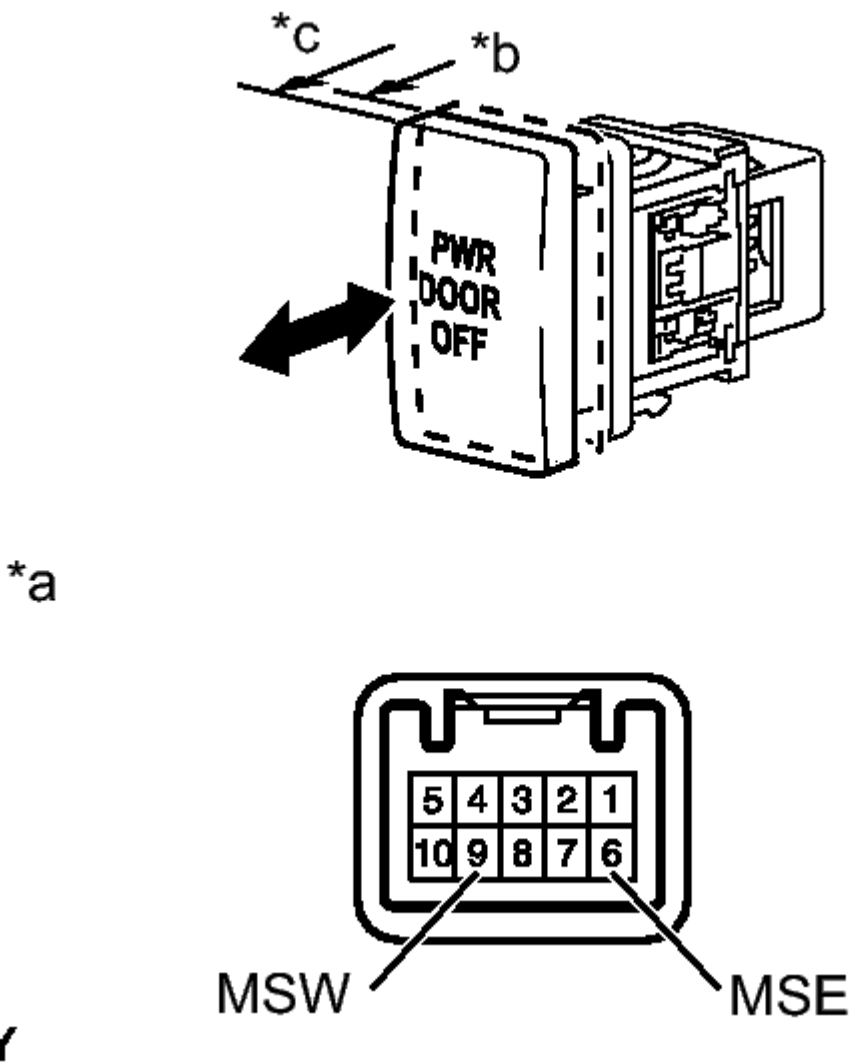


Fig. 199: Power Slide Door Main Switch Connector End View
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Power Slide Door Main Switch)
*b	Pushed
*c	Not Pushed

- Check the resistance of the power slide door main switch.

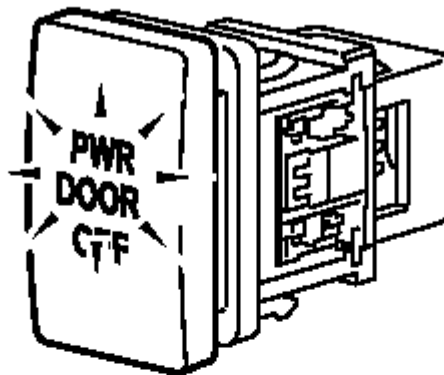
1. Measure the resistance according to the value(s) in the table below.

Standard Resistance

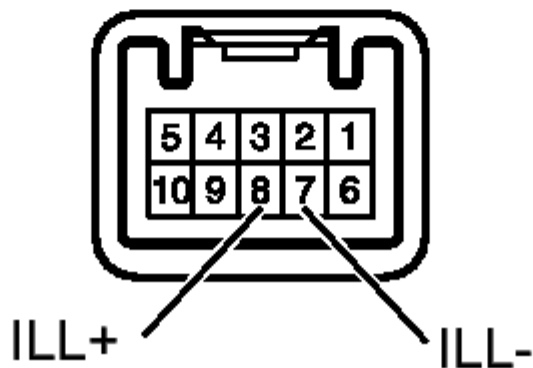
Tester Connection	Switch Condition	Specified Condition
6 (MSE) - 9 (MSW)	Free	Below 1 ohms
6 (MSE) - 9 (MSW)	Pushed	10 kohms or higher

If the result is not as specified, replace the power slide door main switch.

- b. Check that the switch illuminates.



*a



Y

Fig. 200: Checking Power Slide Door Main Switch Illumination
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Power Slide Door Main Switch)
----	---

1. Apply battery voltage to the power back door main switch and check that the switch illuminates.

OK

Measurement Condition	Specified Condition
Battery positive (+) -- > 8 (ILL+)	Illuminates
Battery negative (-) -- > 7 (ILL-)	

If the result is not as specified, replace the power slide door main switch.

INSTALLATION

INSTALLATION

1. INSTALL POWER SLIDE DOOR MAIN SWITCH

- a. Engage the 2 claws and install the power slide door main switch.

2. INSTALL NO. 1 INSTRUMENT PANEL LOWER FINISH PANEL . Refer to INSTALLATION - Step 39

3. INSTALL COWL SIDE TRIM BOARD LH

HINT:

Use the same procedure as for the RH side. Refer to INSTALLATION - Step 35 .

4. INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP LH

5. INSTALL DOOR SCUFF PLATE ASSEMBLY LH

HINT:

Use the same procedure as for the RH side. Refer to INSTALLATION - Step 37 .

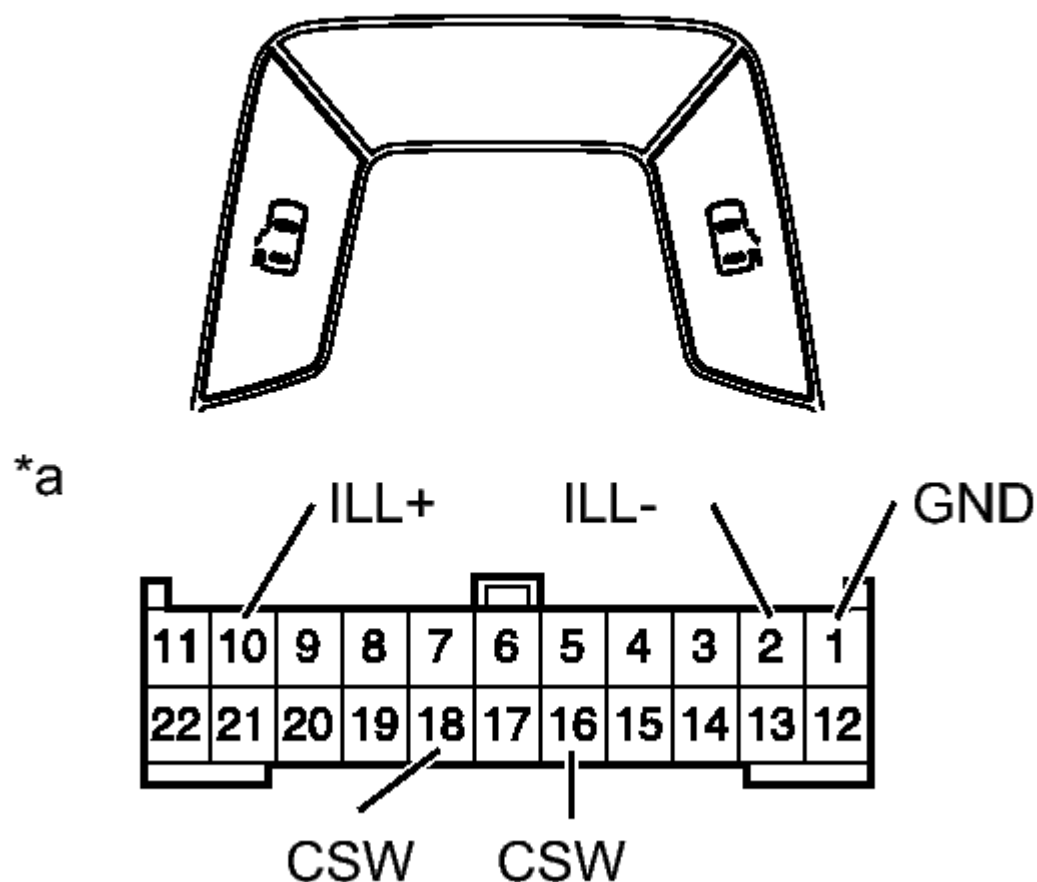
POWER SLIDE DOOR CONTROL SWITCH (FOR ROOF SIDE)

INSPECTION

INSPECTION

1. INSPECT POWER SLIDE DOOR CONTROL SWITCH

- a. Check that the power slide door control switch RH functions.
 1. Measure the resistance according to the value(s) in the table below.



Y

Fig. 201: Power Slide Door Control Switch (For Roof Side) Connector End View
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Roof Console Box Assembly)
----	---

Standard Resistance

Terminal No.	Switch Condition	Specified Condition
1 (GND) - 18 (CSW)	Pushed	Below 1 ohms
1 (GND) - 18 (CSW)	Free	10 kohms or higher

If the result is not as specified, replace the roof console box assembly.

b. Check that the power slide door control switch LH functions.

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

Standard Resistance

Terminal No.	Switch Condition	Specified Condition
1 (GND) - 16 (CSW)	Pushed	Below 1 ohms
1 (GND) - 16 (CSW)	Free	10 kohms or higher

If the result is not as specified, replace the roof console box assembly.

c. Check that the switch illuminates.

1. Apply battery voltage to the power slide door control switch and check that the switch illuminates.

OK

--	--

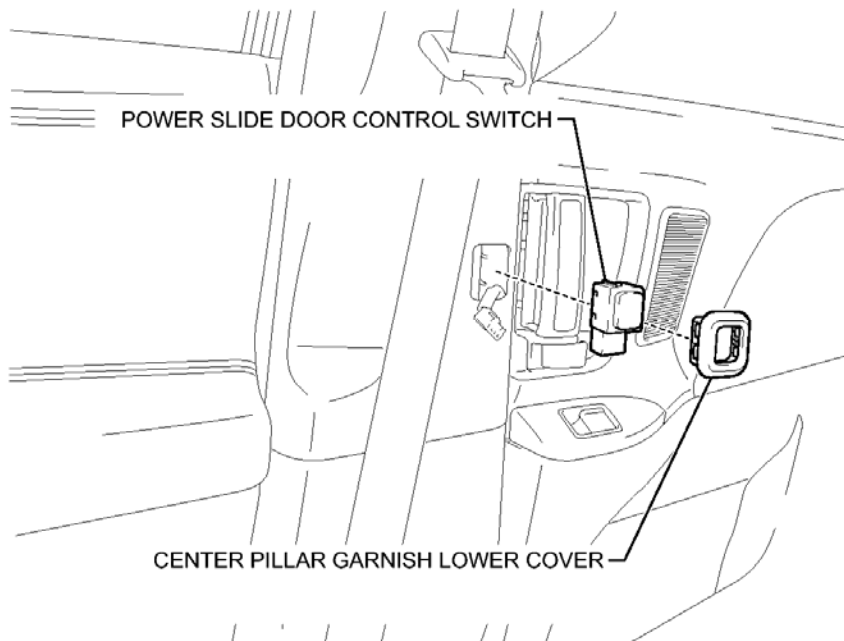
Measurement Condition	Specified Condition
Battery positive (+) -- > 10 (ILL+)	Illuminates
Battery negative (-) -- > 2 (ILL-)	

If the result is not as specified, replace the roof console box assembly.

POWER SLIDE DOOR CONTROL SWITCH (FOR REAR DOOR)

COMPONENTS

ILLUSTRATION



P

Fig. 202: Power Slide Door Control Switch Replacement Components
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. REMOVE CENTER PILLAR GARNISH LOWER COVER

- a. Using a moulding remover, disengage the 4 claws and remove the center pillar garnish lower cover with switch.

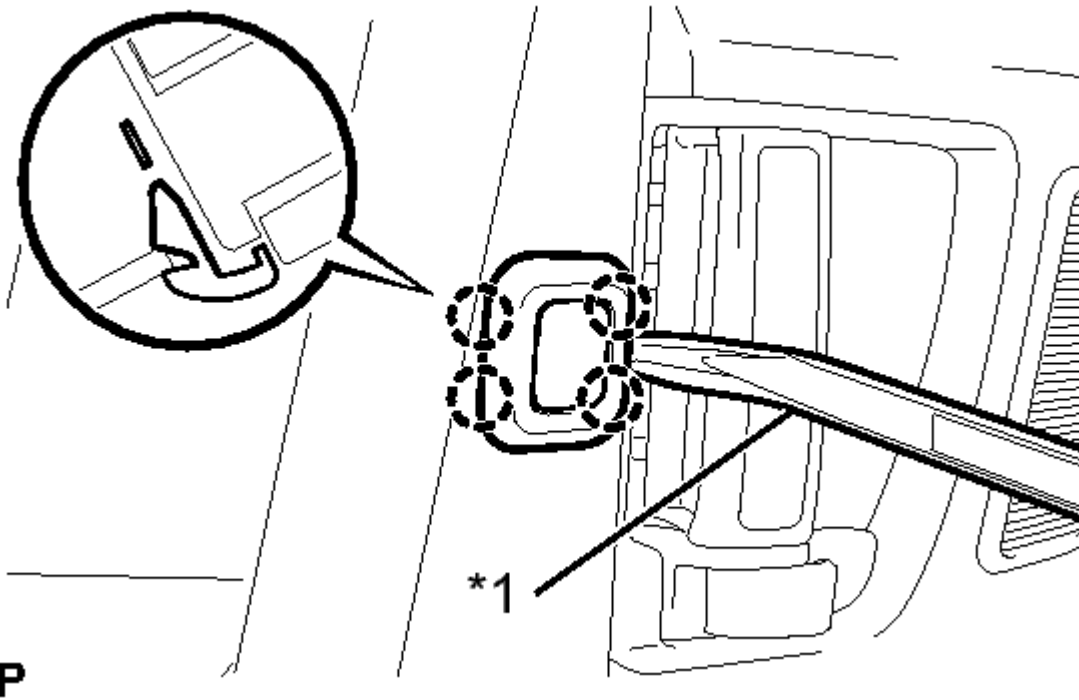


Fig. 203: Removing Center Pillar Upper Garnish RH & Fasteners Using Moulding Remover
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

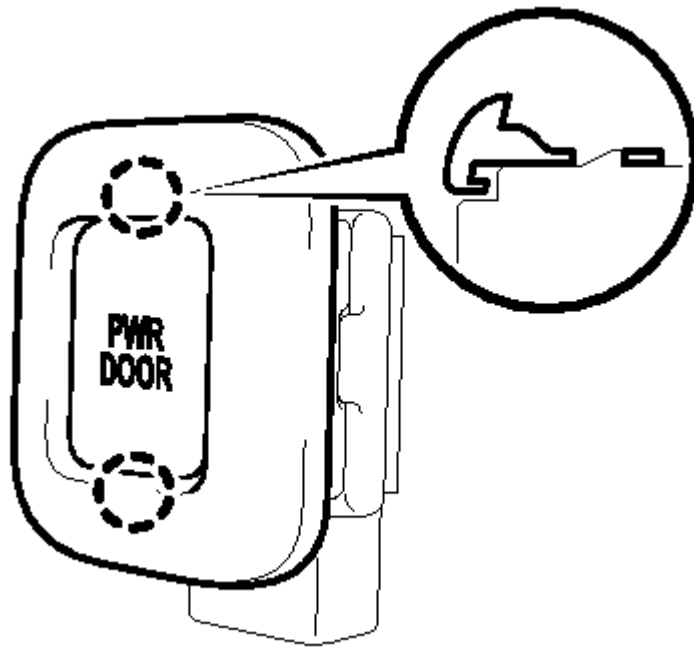
TEXT IN ILLUSTRATION

*1	Moulding Remover
----	---------------------

- b. Disconnect the connector.

2. REMOVE POWER SLIDE DOOR CONTROL SWITCH

- a. Disengage the 2 claws and remove the power slide door control switch from the center pillar garnish cover.



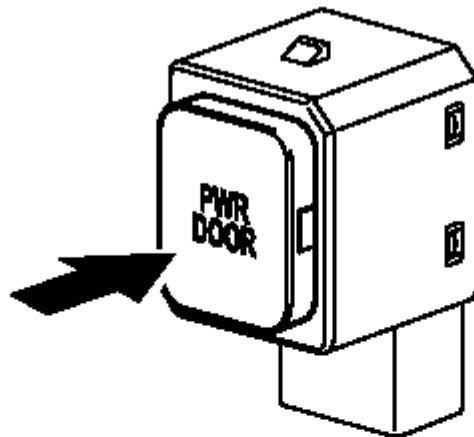
P

Fig. 204: Identifying Power Slide Door Control Switch & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

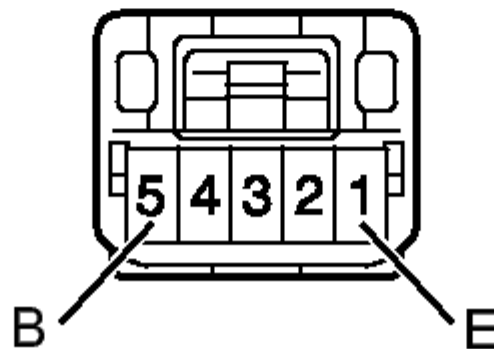
INSPECTION

INSPECTION

1. INSPECT POWER SLIDE DOOR CONTROL SWITCH



*a



Y

Fig. 205: Power Slide Door Control Switch Connector End View
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Check that the switch functions.
 1. Measure the resistance according to the value(s) in the table below.

Standard Resistance

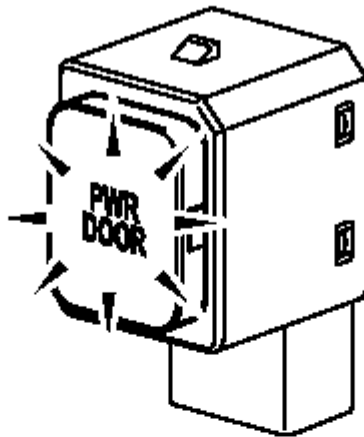
Tester Connection	Switch Condition	Specified Condition
1 (E) - 5 (B)	Pushed	Below 1 ohms
1 (E) - 5 (B)	Free	10 kohms or higher

If the result is not as specified, replace the power slide door control switch.

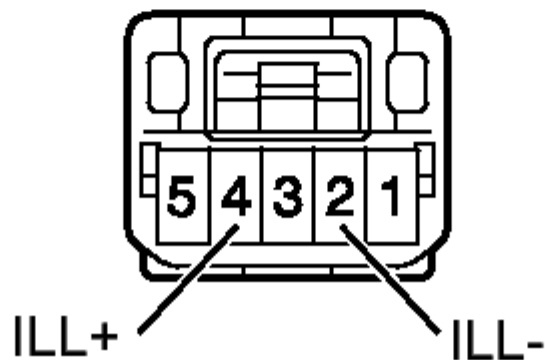
TEXT IN ILLUSTRATION

*a	Component without harness connected (Power Slide Door Control Switch)
----	--

- b. Check that the switch illuminates.



*a



Y

Fig. 206: Checking Power Slide Door Control Switch Illumination
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

1. Apply battery voltage to the power slide door control switch and check that the switch illuminates.

OK

Measurement Condition	Specified Condition
Battery positive (+) -- > 4 (ILL+) Battery negative (-) -- > 2 (ILL-)	Illuminates

If the result is not as specified, replace the power slide door control switch.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Power Slide Door Control Switch)
----	---

INSTALLATION

INSTALLATION

1. INSTALL POWER SLIDE DOOR CONTROL SWITCH

- a. Engage the 2 claws and install the power slide door control switch.

2. INSTALL CENTER PILLAR GARNISH LOWER COVER

- a. Connect the connector.
- b. Engage the 4 claws and install the center pillar garnish lower cover with switch.

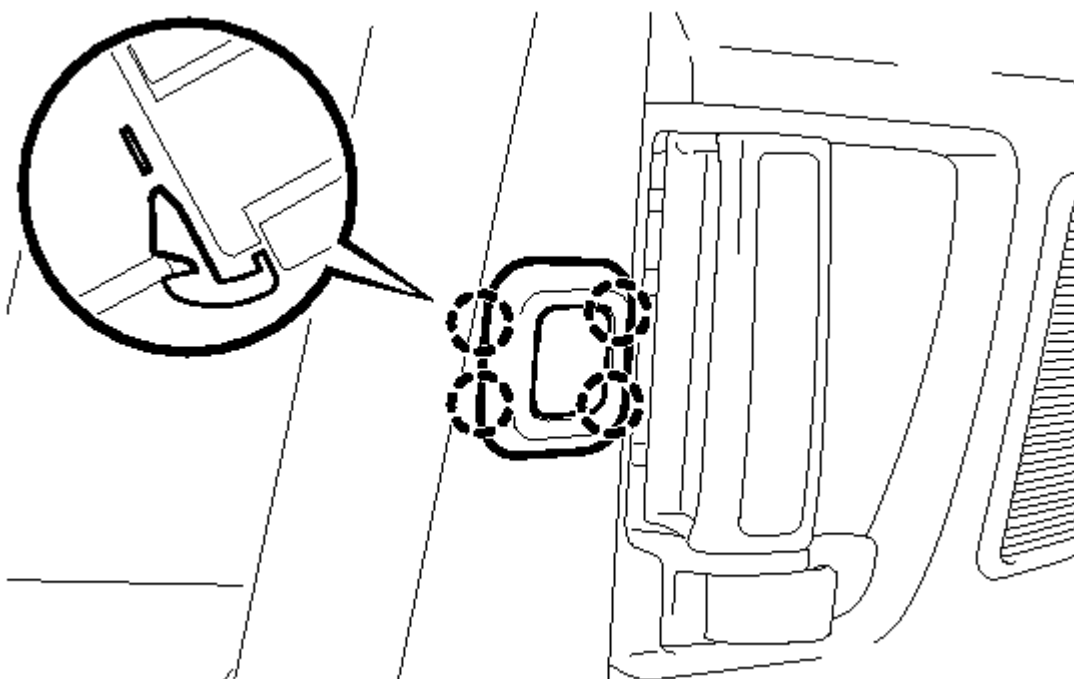


Fig. 207: Identifying Center Pillar Garnish Lower Cover & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

POWER SLIDE DOOR TOUCH SENSOR

COMPONENTS

ILLUSTRATION

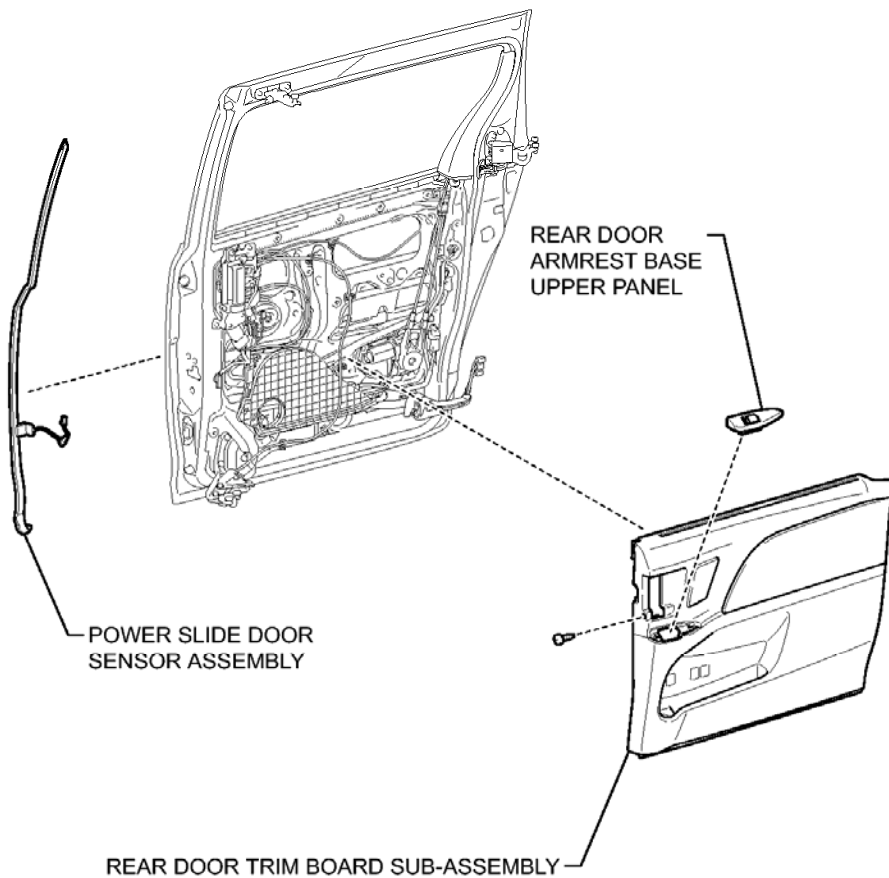


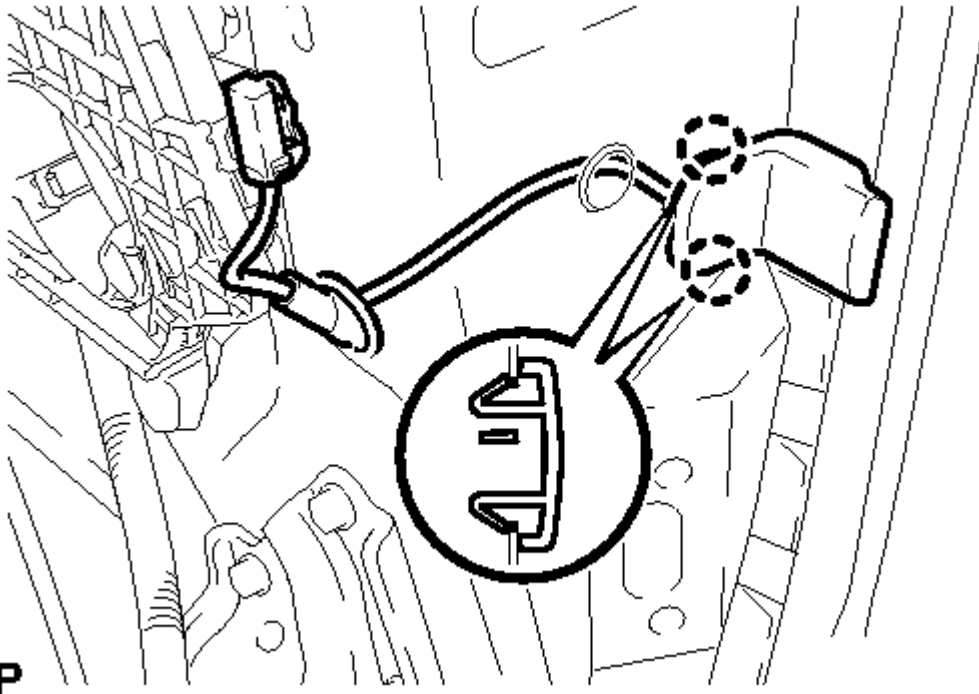
Fig. 208: Power Slide Door Touch Sensor Replacement Components
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. REMOVE REAR DOOR ARMREST BASE UPPER PANEL See step 2

2. **REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY** See step 3
3. **REMOVE POWER SLIDE DOOR SENSOR ASSEMBLY**
 - a. Disengage the 2 claws.



P

Fig. 209: Identifying Power Slide Door Sensor Assembly, Grommet & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disengage the grommet.

HINT:

If the work is difficult because parts cannot easily be reached, partially peel back the service hole cover just enough to allow access to components.

- c. Disengage the 3 clips and remove the power slide door sensor.

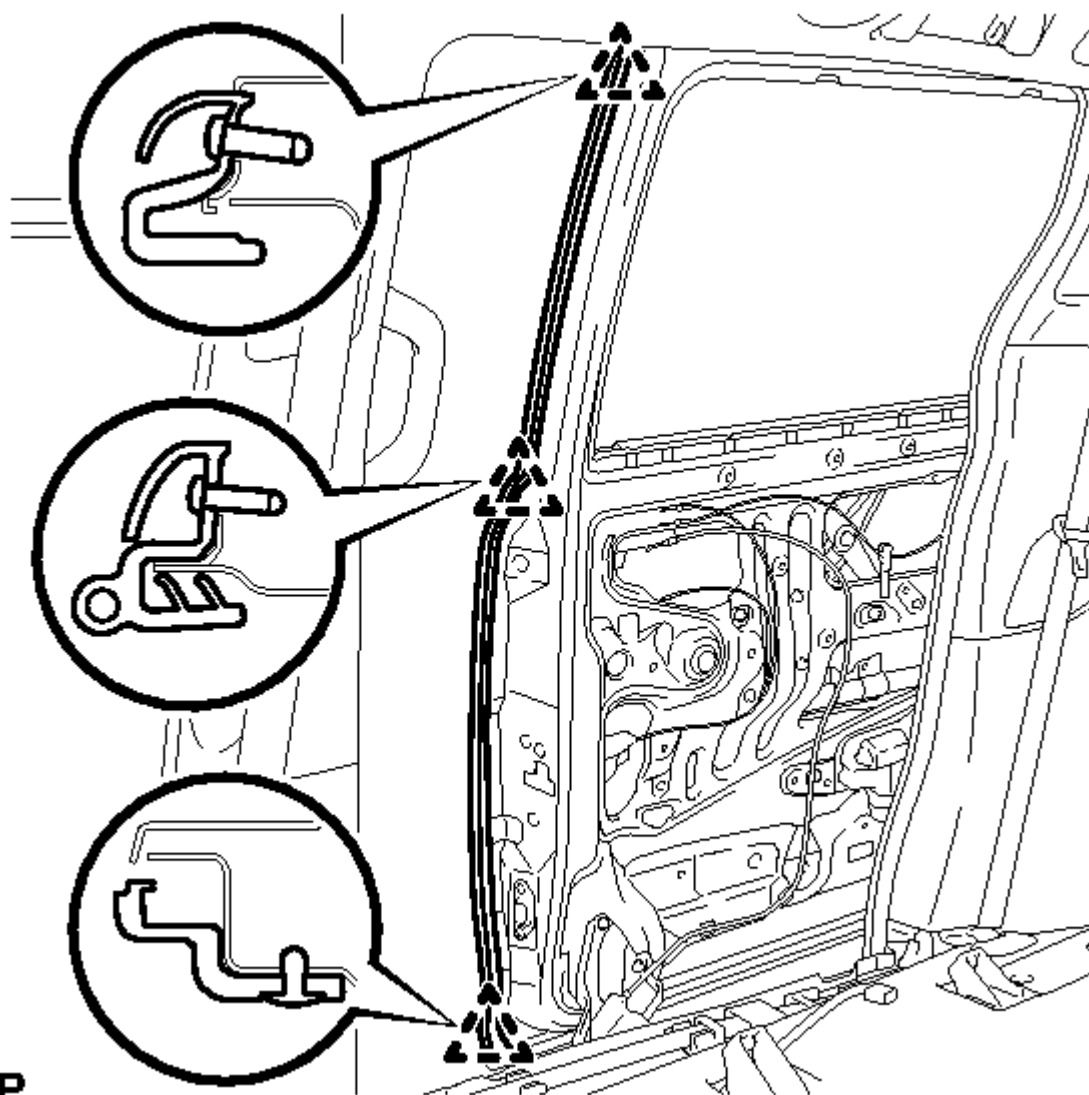


Fig. 210: Identifying Power Slide Door Sensor & Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSPECTION

INSPECTION

1. **INSPECT POWER SLIDE DOOR SENSOR ASSEMBLY LH**
 - a. Measure the resistance according to the value(s) in the table below.

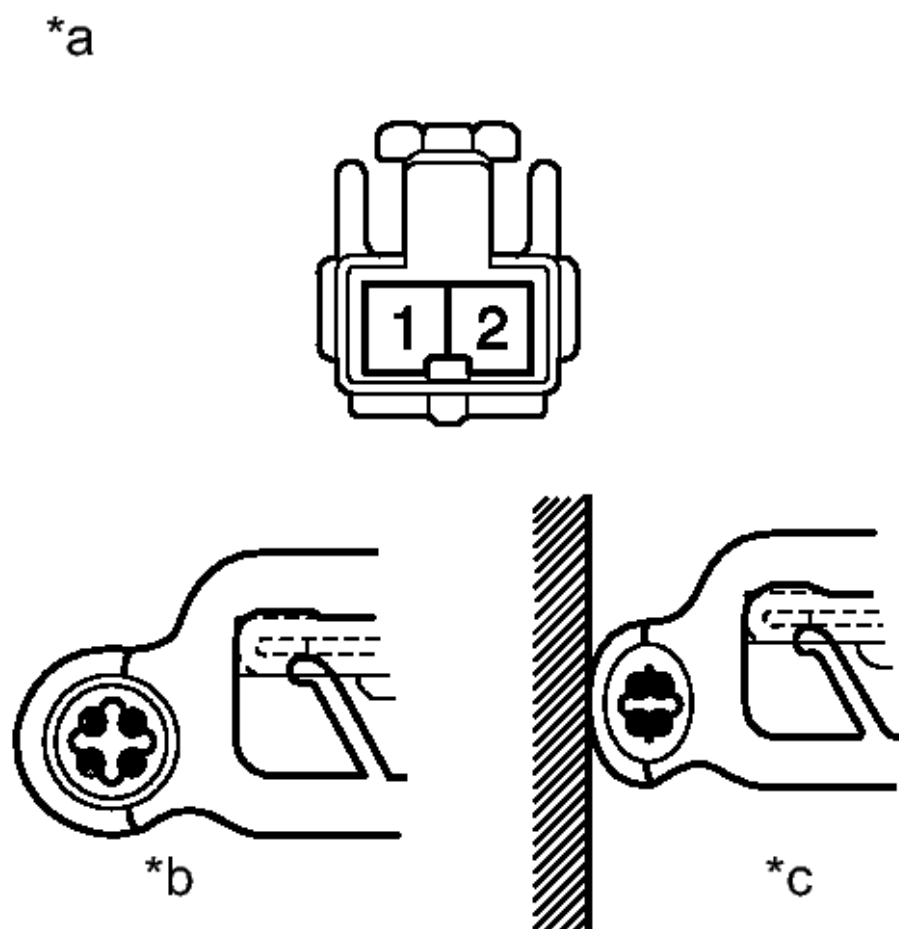


Fig. 211: Power Slide Door Touch Sensor Assembly Connector End View
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Power Slide Door Sensor LH)
*b	Not pressed
*c	Pressed

Standard Resistance

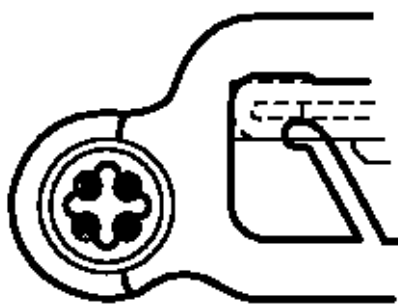
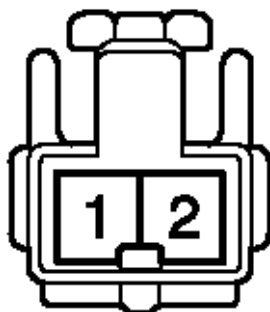
Tester Connection	Condition	Specified Condition
1 - 2	Pressed	Below 100 ohms
1 - 2	Free	0.95 to 1.05 kohms

If the result is not as specified, replace the power slide door sensor LH.

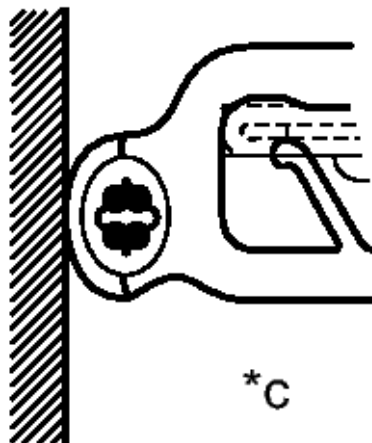
2. INSPECT POWER SLIDE DOOR SENSOR ASSEMBLY RH

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

*a



*b



*c

Fig. 212: Power Slide Door Touch Sensor Assembly Connector End View
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Power Slide Door Sensor RH)
*b	Not pressed
*c	Pressed

Standard Resistance

Tester Connection	Condition	Specified Condition
1 - 2	Pressed	Below 100 ohms
1 - 2	Free	0.95 to 1.05 kohms

If the result is not as specified, replace the power slide door sensor RH.

INSTALLATION

INSTALLATION

1. INSTALL POWER SLIDE DOOR SENSOR ASSEMBLY

- Engage the 3 clips and claw, and install the power slide door sensor.
- Engage the grommet.

HINT:

If the work is difficult because parts cannot easily be reached, partially peel back the service hole cover just enough to allow access to components.

- Engage the 2 claws.

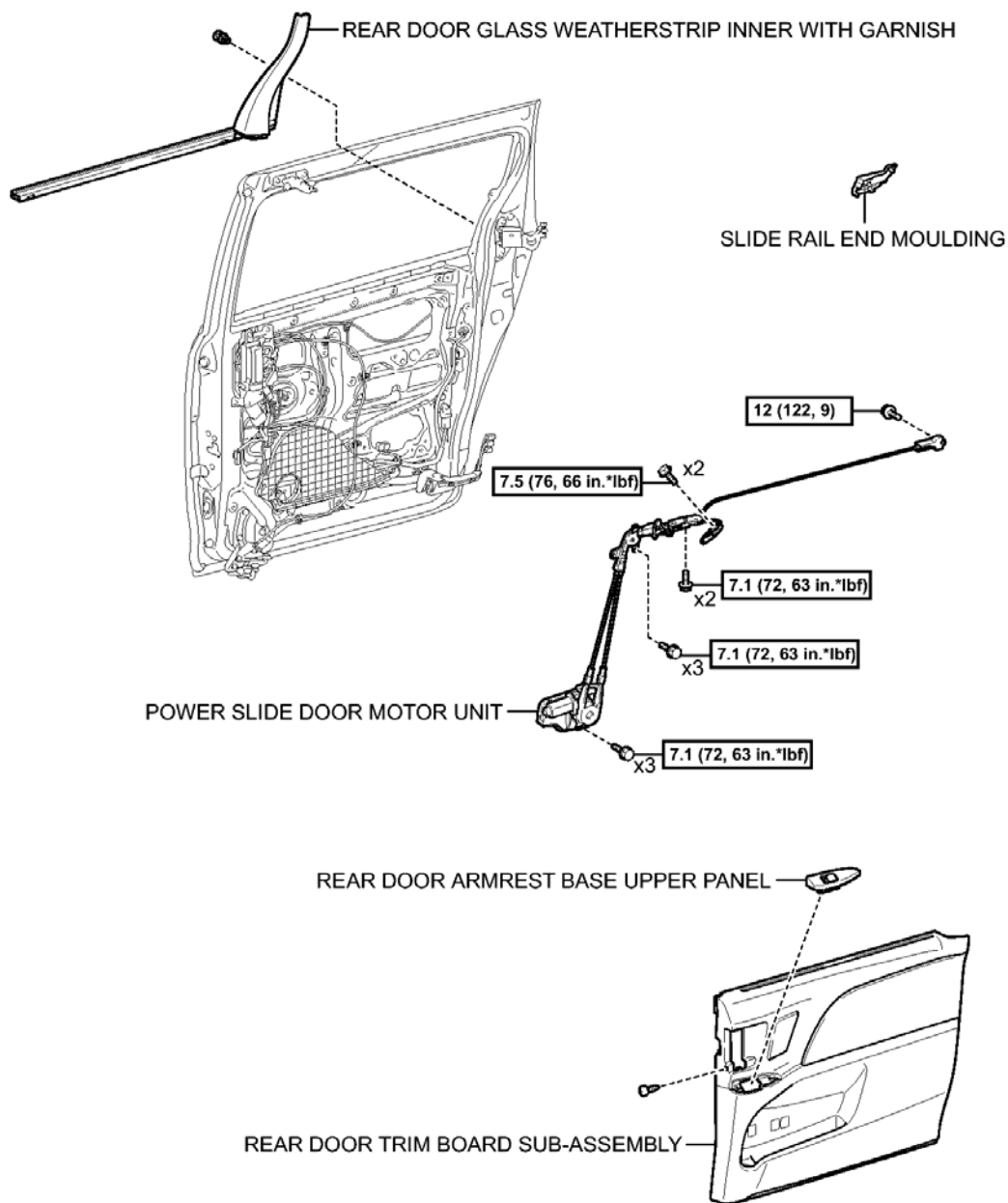
2. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY See step 45

3. INSTALL REAR DOOR ARMREST BASE UPPER PANEL See step 46

POWER SLIDE DOOR MOTOR

COMPONENTS

ILLUSTRATION



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

Fig. 213: Power Slide Door Motor Replacement Components With Torque Specifications
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. **REMOVE REAR DOOR ARMREST BASE UPPER PANEL** See step 2
2. **REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY** See step 3
3. **REMOVE REAR DOOR GLASS WEATHERSTRIP INNER WITH GARNISH** See step 5
4. **REMOVE QUARTER WINDOW GLASS**

Refer to **REMOVAL**

5. **REMOVE SLIDE RAIL END MOULDING** See step 16
6. **REMOVE POWER SLIDE DOOR MOTOR UNIT**
 - a. Remove the bolt.

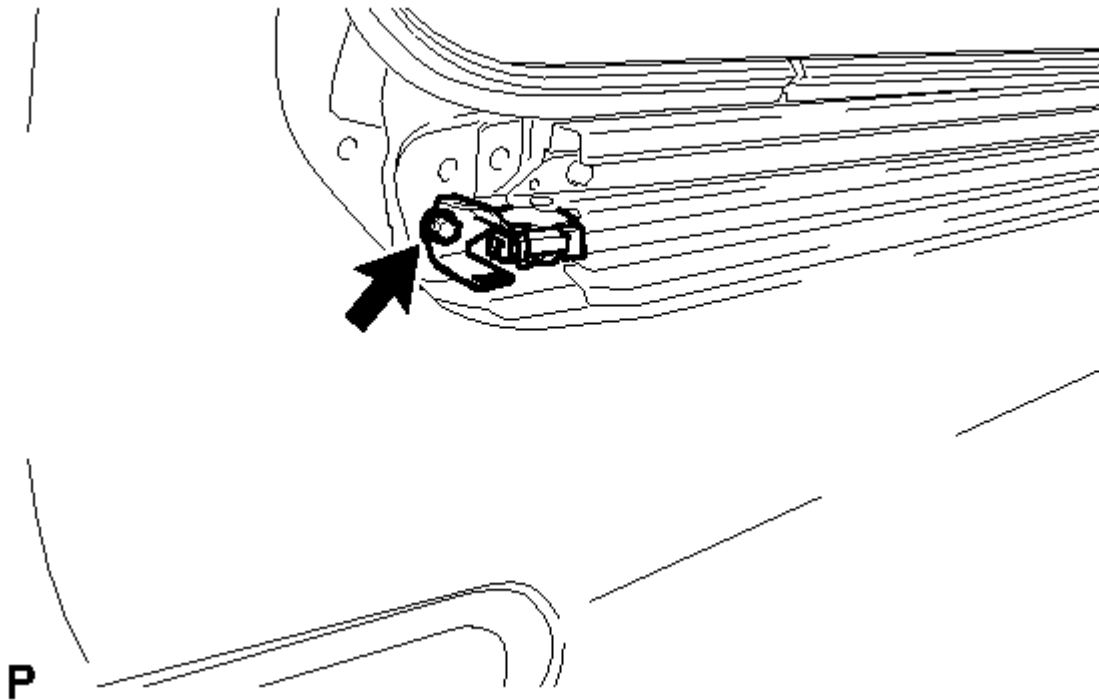
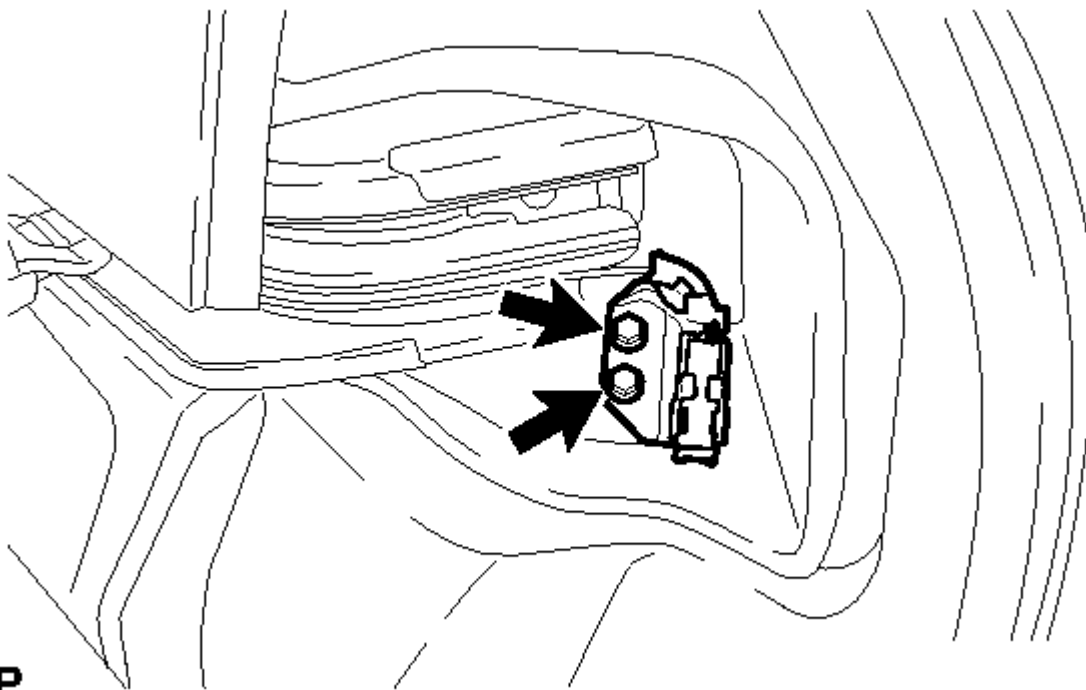


Fig. 214: Identifying Power Slide Door Motor Unit Bolt
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

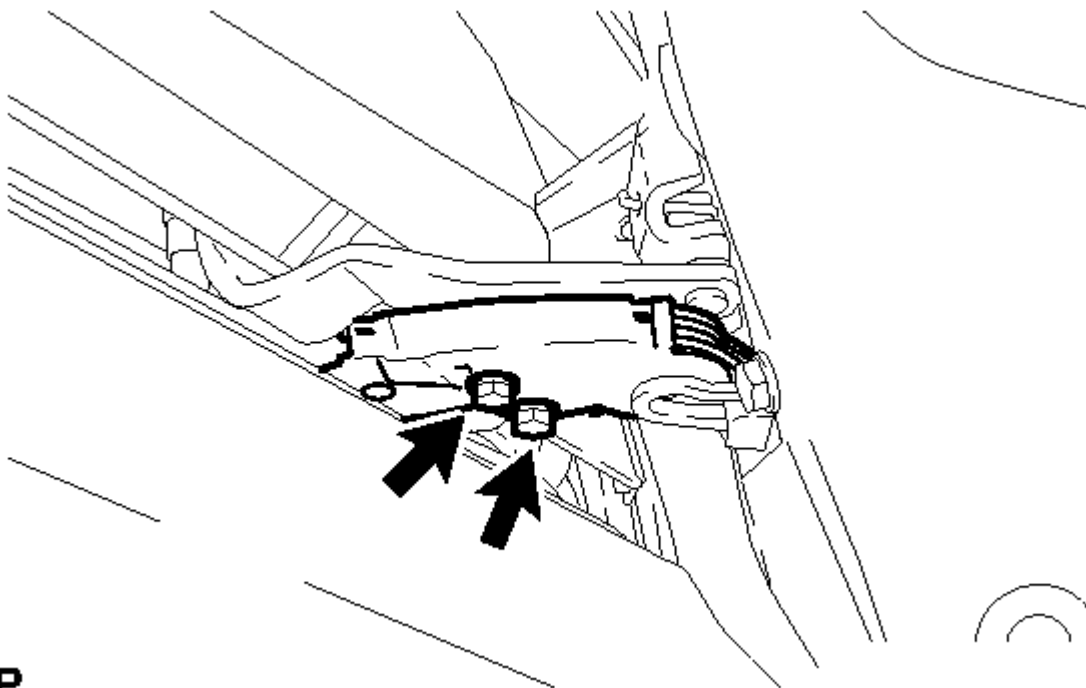
- b. Remove the 2 bolts.



P

Fig. 215: Identifying Power Slide Door Motor Unit Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Remove the 2 bolts.



P

Fig. 216: Identifying Power Slide Door Motor Unit & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Remove the 3 bolts and power slide door motor unit.

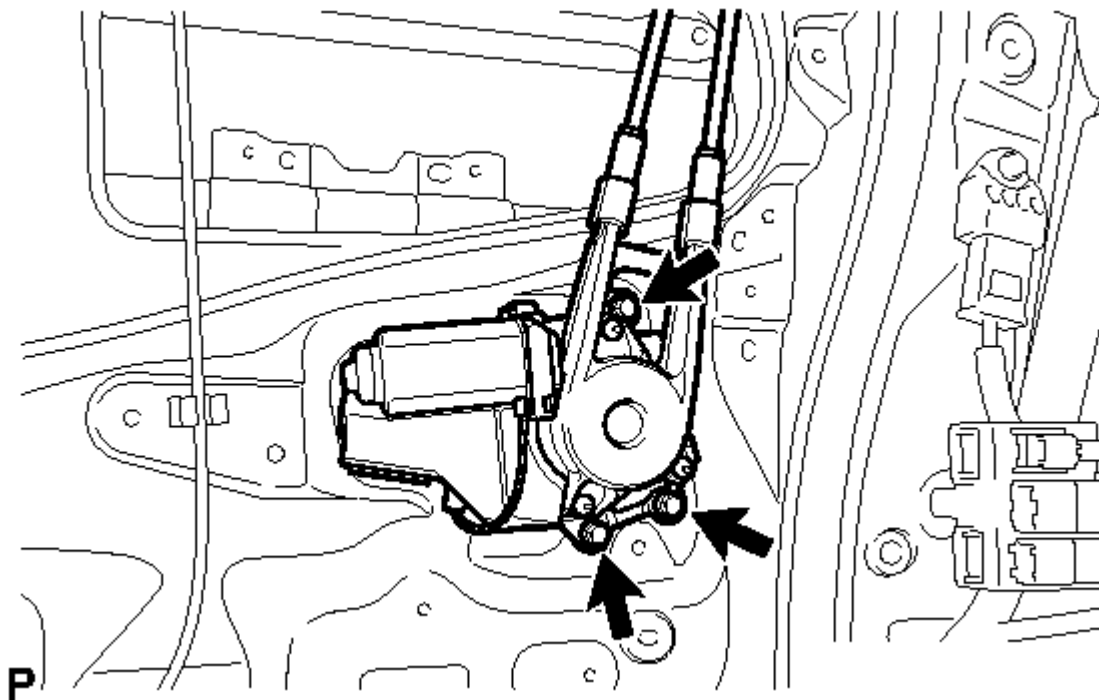


Fig. 217: Identifying Power Slide Door Motor Unit & Cable Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- e. Remove the 3 bolts.

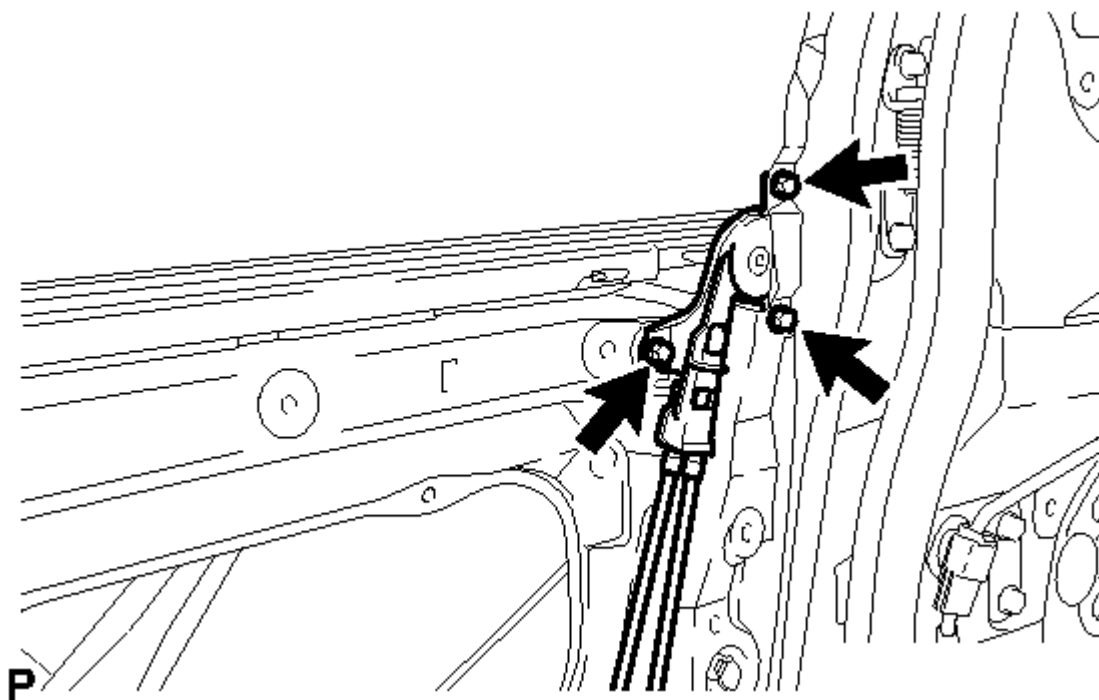


Fig. 218: Identifying Power Slide Door Motor Unit & Cable Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION

INSTALLATION

1. **INSTALL POWER SLIDE DOOR MOTOR UNIT**
 - a. Install the 3 bolts.

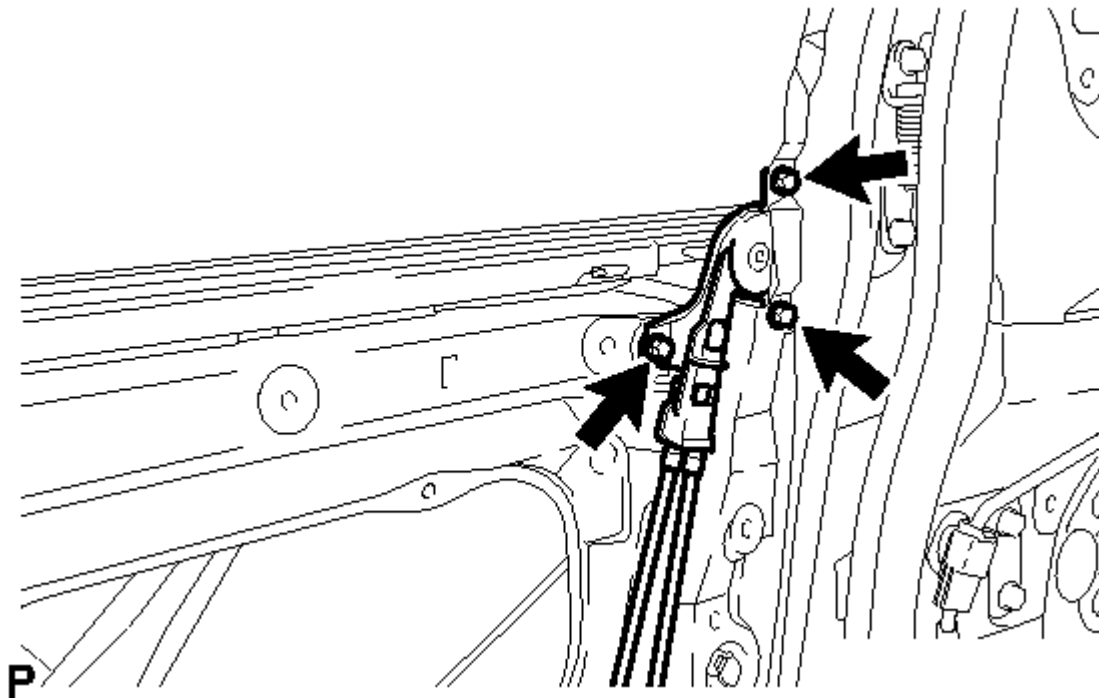


Fig. 219: Identifying Power Slide Door Motor Unit & Cable Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 7.1 N*m (72 kgf*cm, 63 in.*lbf)

- b. Install the power slide door motor unit with the 3 bolts.

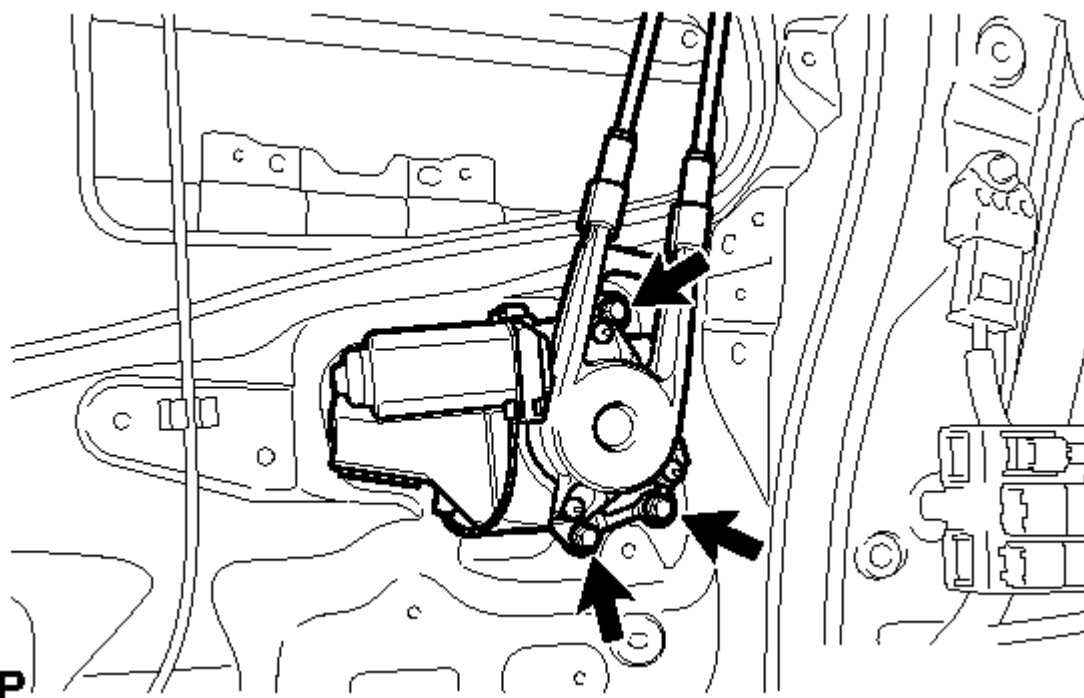
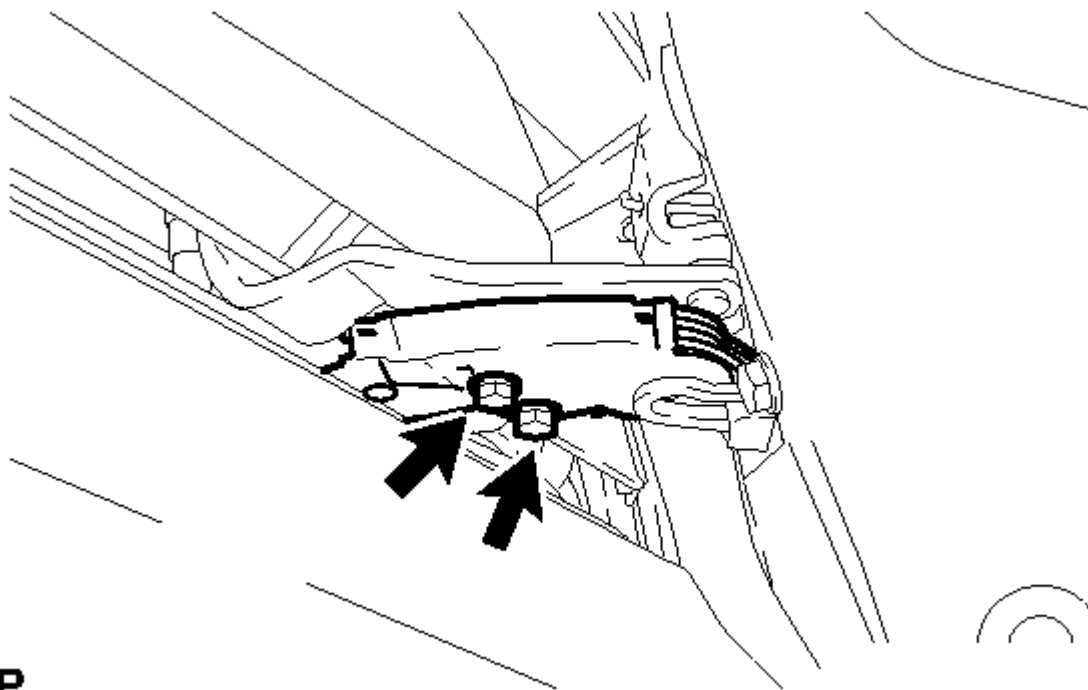


Fig. 220: Identifying Power Slide Door Motor Unit & Cable Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 7.1 N*m (72 kgf*cm, 63 in.*lbf)

- c. Install the 2 bolts.

NOTE: **Ensure cables are not crossed after installation.**



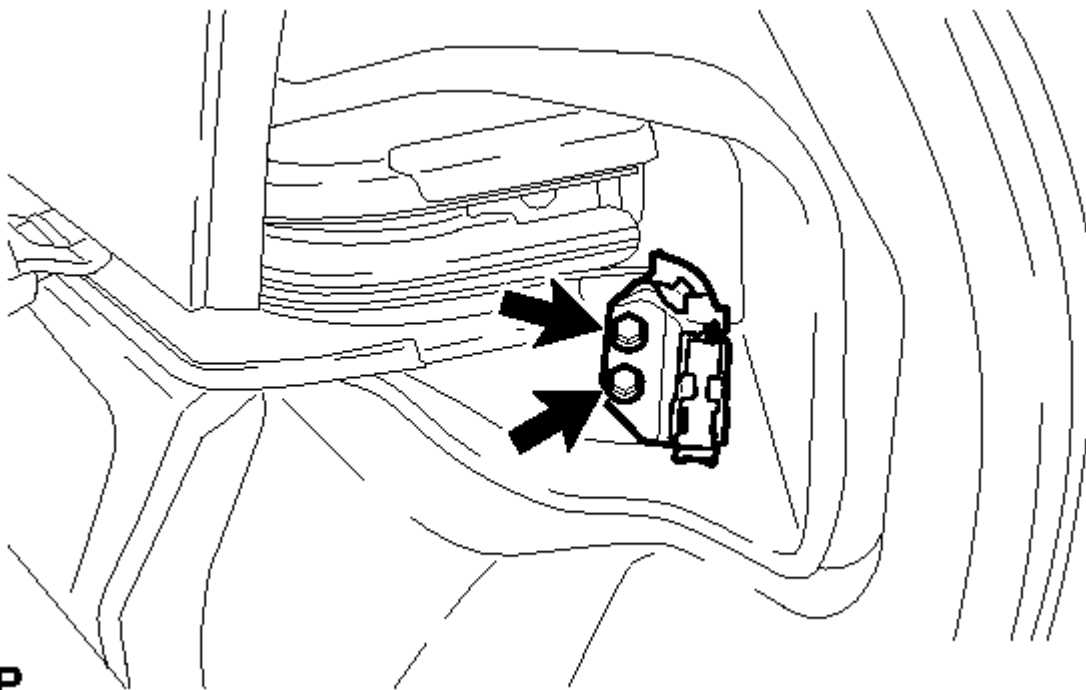
P

Fig. 221: Identifying Power Slide Door Motor Unit & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 7.1 N*m (72 kgf*cm, 63 in.*lbf)

- d. Install the 2 bolts.

NOTE: **Ensure proper cable routing after installation.**

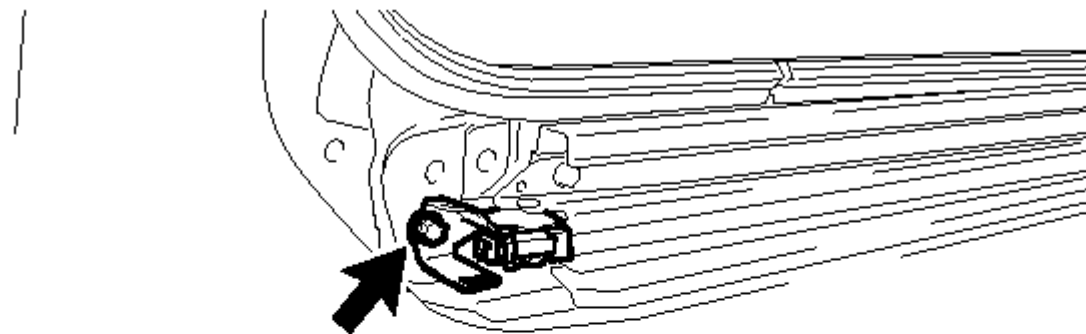


P

Fig. 222: Identifying Power Slide Door Motor Unit Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 7.5 N*m (76 kgf*cm, 66 in.*lbf)

- e. Install the bolt.



P

Fig. 223: Identifying Power Slide Door Motor Unit Bolt
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Torque: 12 N*m (122 kgf*cm, 9 ft.*lbf)

2. **INSTALL SLIDE RAIL END MOULDING** See step 32
3. **INSTALL QUARTER WINDOW GLASS**

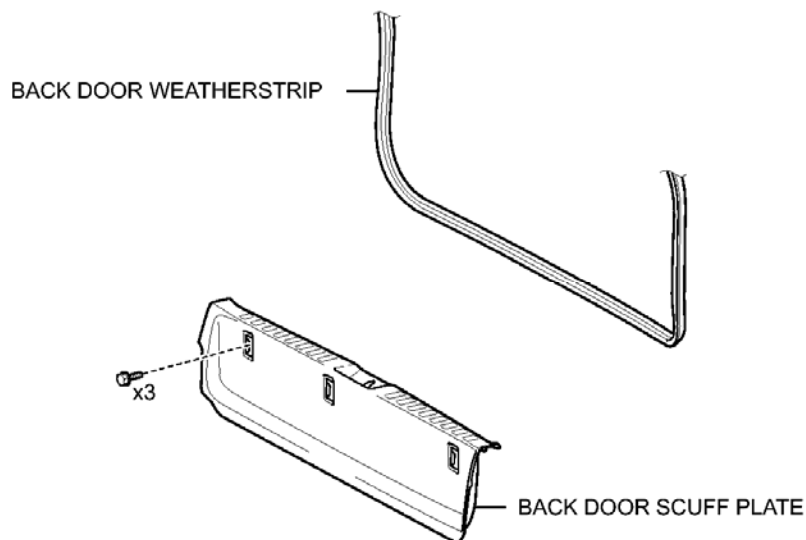
Refer to **INSTALLATION**

4. **INSTALL REAR DOOR GLASS WEATHERSTRIP INNER WITH GARNISH** See step 43
5. **INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY** See step 45
6. **INSTALL REAR DOOR ARMREST BASE UPPER PANEL** See step 46

SLIDE DOOR HALF OPEN STOPPER CONTROL ASSEMBLY

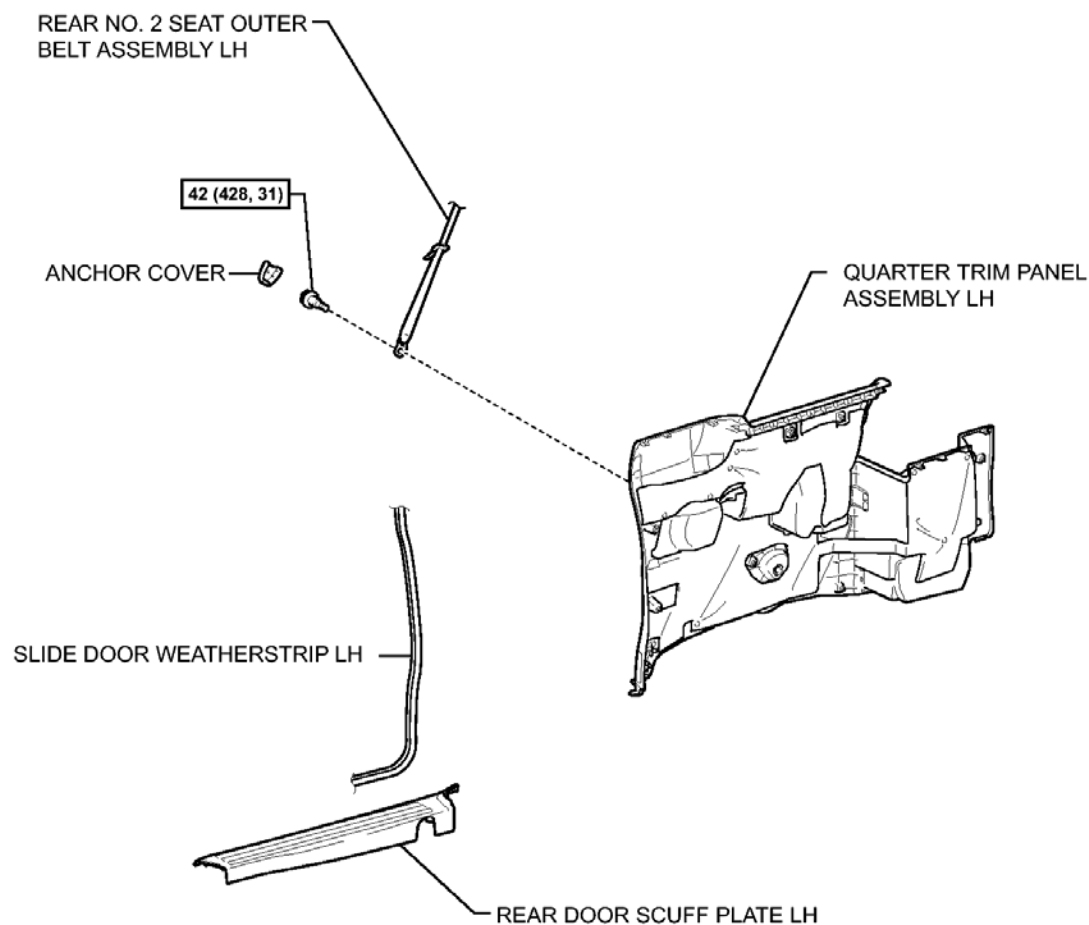
COMPONENTS

ILLUSTRATION



Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION

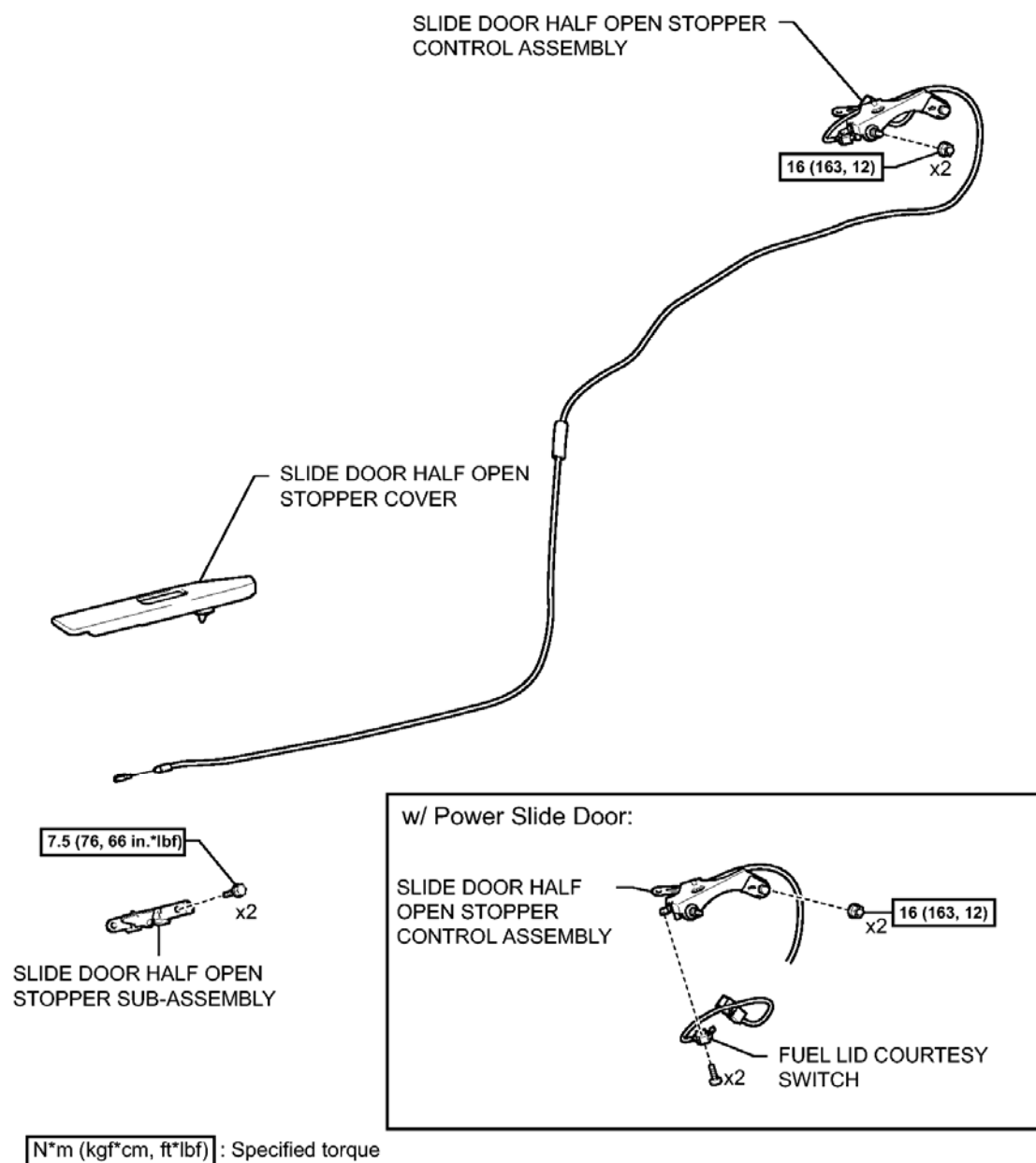


$\boxed{\text{N}\cdot\text{m (kgf}\cdot\text{cm, ft}\cdot\text{lb)}} : \text{Specified torque}$

Fig. 225: Slide Door Half Open Stopper Control Assembly Replacement Components With Torque Specifications (2 Of 3)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION



P

Fig. 226: Slide Door Half Open Stopper Control Assembly Replacement Components With Torque Specifications (3 Of 3)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

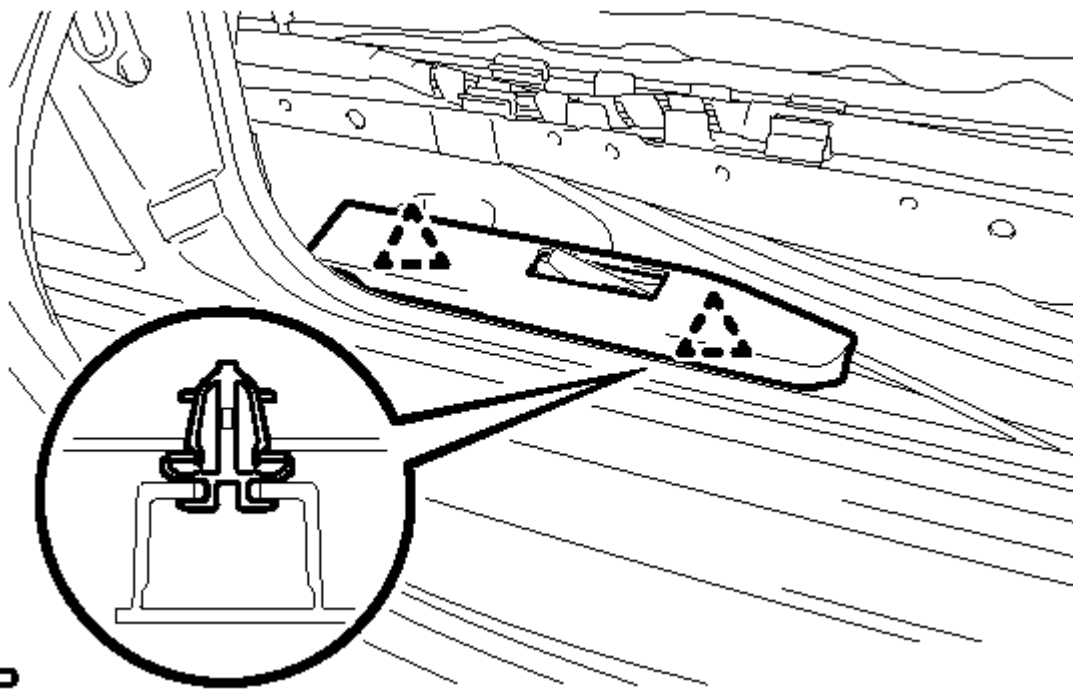
1. SEPARATE BACK DOOR WEATHERSTRIP

2. **REMOVE BACK DOOR SCUFF PLATE** . Refer to **REMOVAL - Step 17**
3. **SEPARATE REAR NO. 2 SEAT OUTER BELT ASSEMBLY LH** . Refer to **REMOVAL - Step 5**
4. **REMOVE REAR DOOR SCUFF PLATE LH**

HINT:

Use the same procedure as for the RH side. Refer to **REMOVAL - Step 13** .

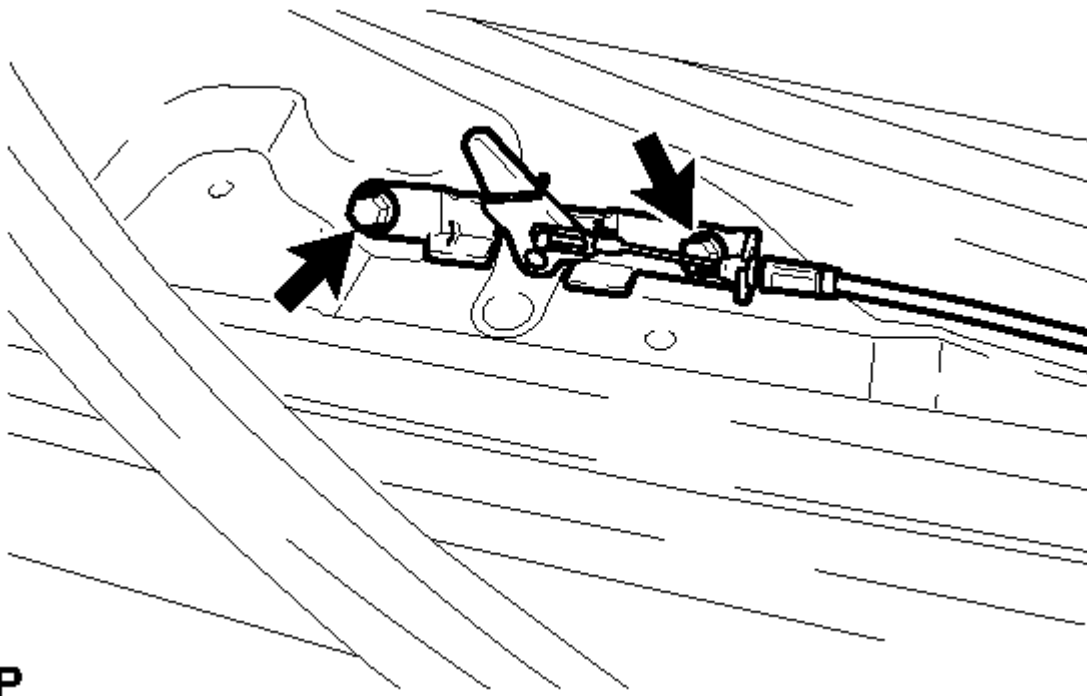
5. **SEPARATE SLIDE DOOR WEATHERSTRIP LH**
6. **REMOVE QUARTER TRIM PANEL ASSEMBLY LH** . Refer to **REMOVAL - Step 27**
7. **REMOVE SLIDE DOOR HALF OPEN STOPPER COVER**
 - a. Disengage the 2 clips and remove the slide door half open stopper cover.



P

Fig. 227: Identifying Slide Door Half Open Stopper Cover & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

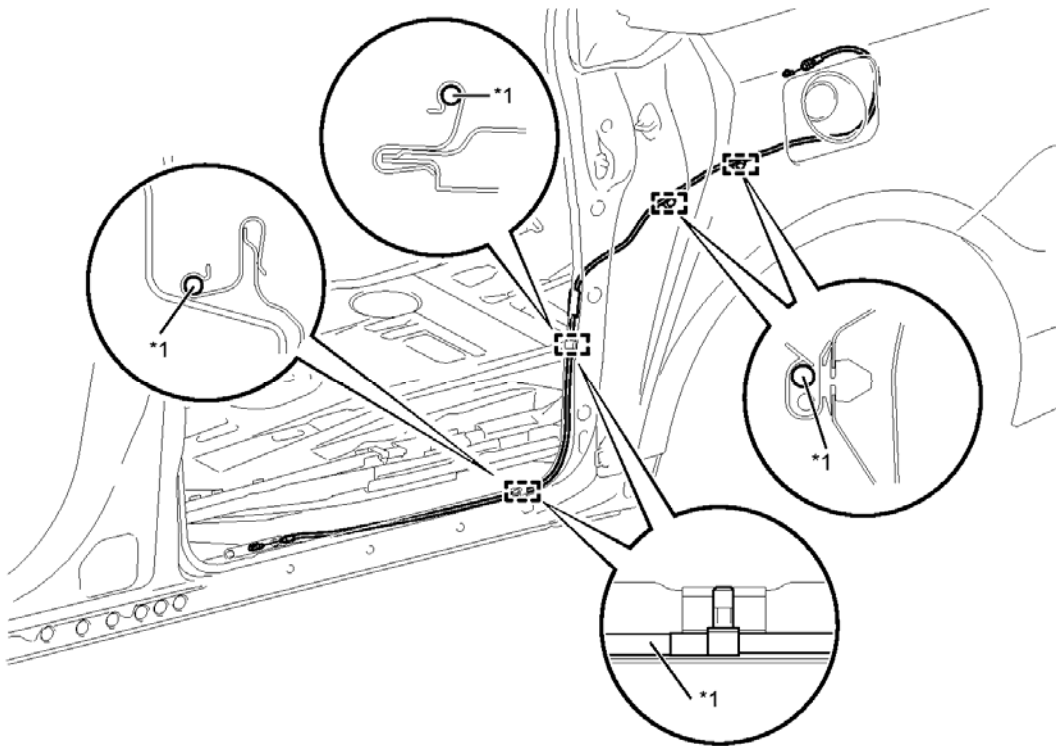
8. **REMOVE SLIDE DOOR HALF OPEN STOPPER SUB-ASSEMBLY**
 - a. Disconnect the slide door half open control cable.



P

Fig. 228: Identifying Slide Door Half Open Stopper Sub-Assembly & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the 2 bolts and slide door half open stopper.
- 9. **REMOVE SLIDE DOOR HALF OPEN STOPPER CONTROL ASSEMBLY**
 - a. Disconnect the clamps as shown in the illustration.



P

Fig. 229: Identifying Slide Door Half Open Stopper Control Assembly & Clamps
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

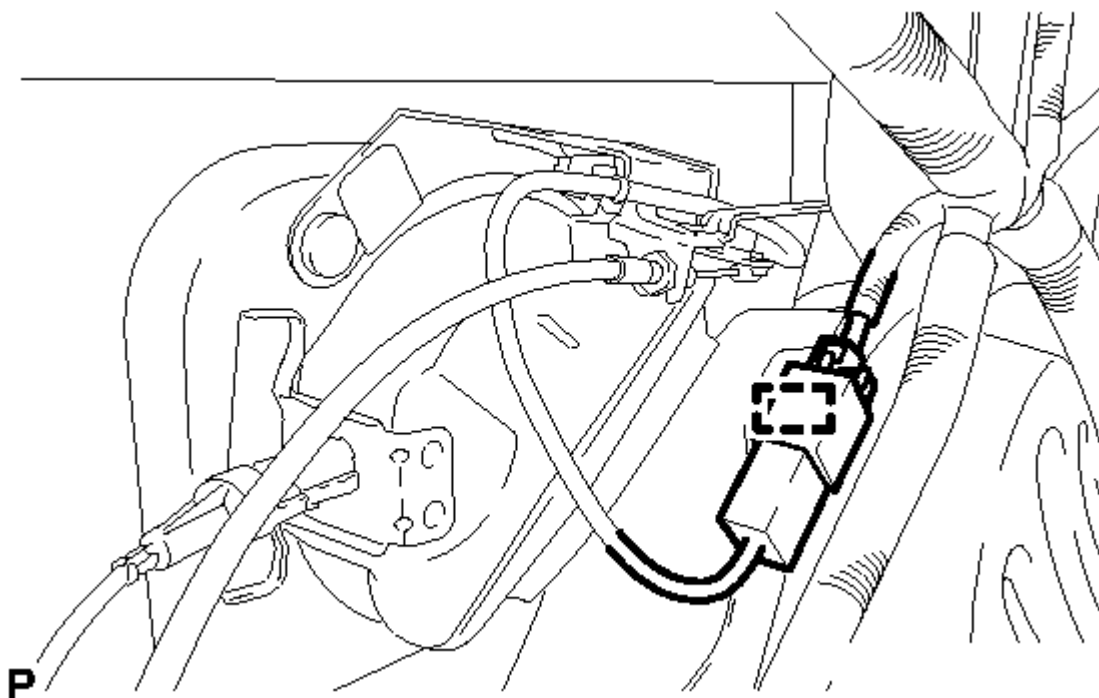
TEXT IN ILLUSTRATION

	Slide Door Half Open Stopper Control Cable	
*1		--

- b. Disconnect the connector and disengage the clamp.

HINT:

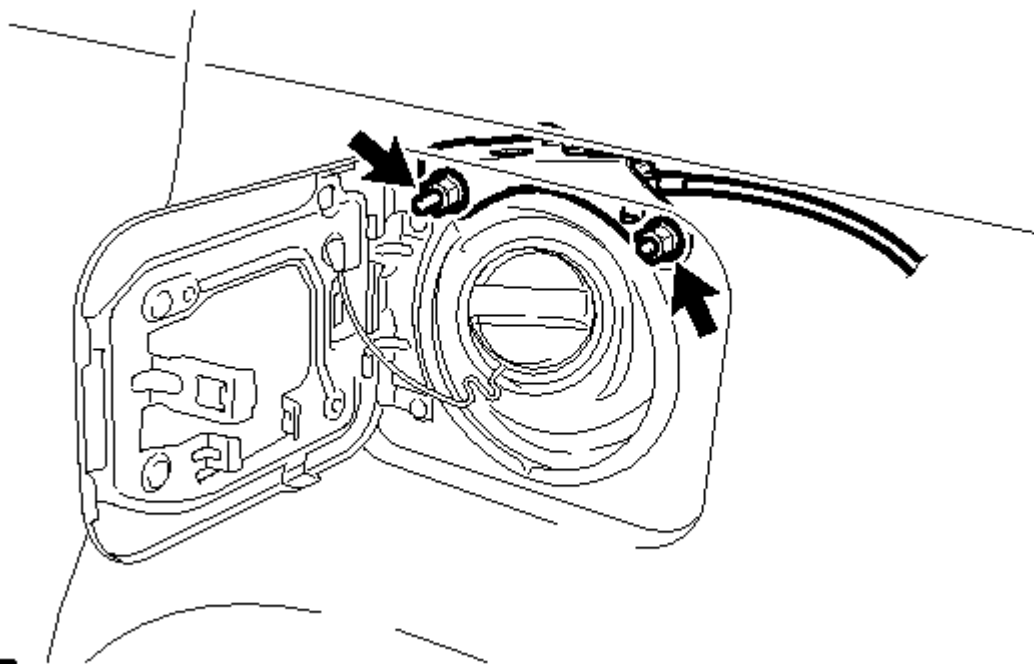
If the vehicle is equipped with power slide door system, disconnect the connector and disengage the clamp.



P

Fig. 230: Identifying Slide Door Half Open Stopper Control Assembly Connector & Clamp
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Remove the 2 nuts and remove the slide door half open stopper control.

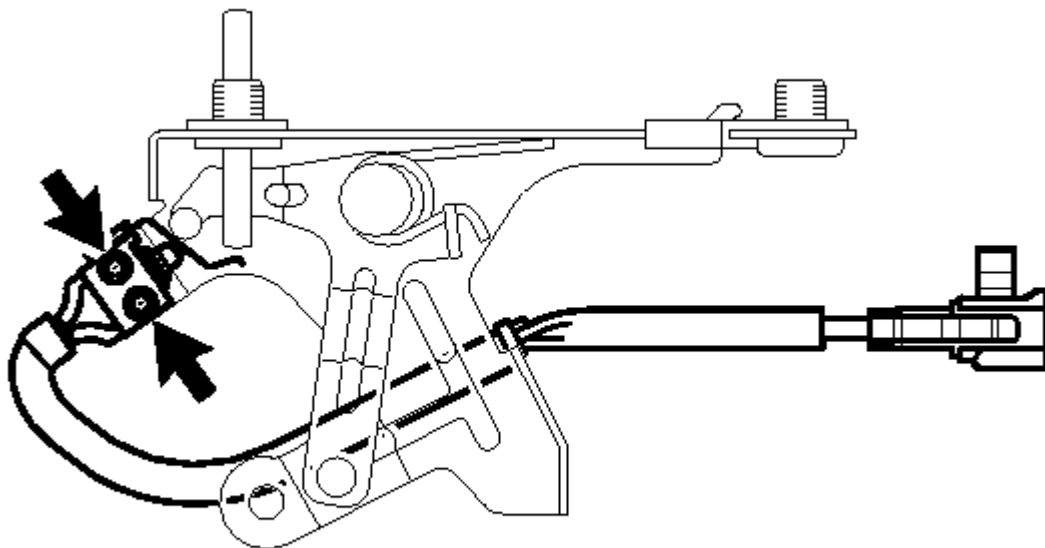


P

Fig. 231: Identifying Slide Door Half Open Stopper Control & Nuts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

10. REMOVE FUEL LID COURTESY SWITCH (w/ Power Slide Door)

- a. Remove the 2 screws and fuel lid courtesy switch from slide door half open stopper control.



P

Fig. 232: Identifying Fuel Lid Courtesy Switch & Screws (w/ Power Slide Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSPECTION

INSPECTION

1. **INSPECT SLIDE DOOR HALF OPEN STOPPER CONTROL ASSEMBLY (FUEL LID COURTESY SWITCH)**
 - a. Measure the resistance according to the value(s) in the table below.

*a

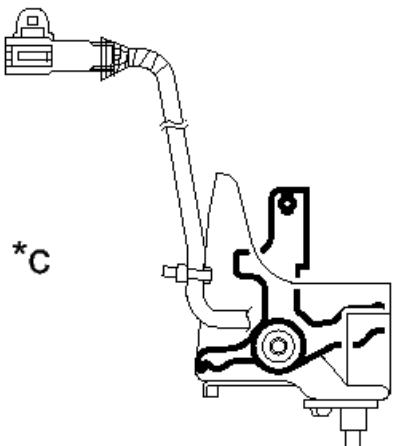
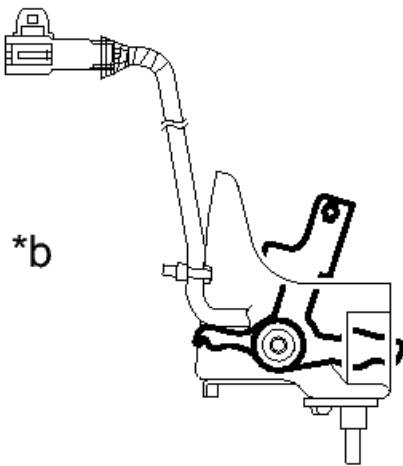
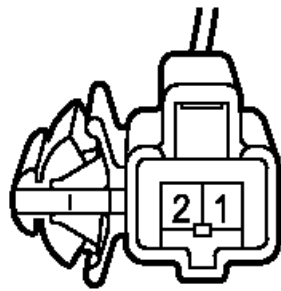


Fig. 233: Slide Door Half Open Stopper Control Assembly (Fuel Lid Courtesy Switch)
Connector End View
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Fuel Lid Courtesy Switch)
*b	Fuel lid open
*c	Fuel lid closed

Standard Resistance

Tester Connection	Door Lock Condition	Specified Condition
1 - 2	OFF (Fuel lid open)	10 kohms or higher
1 - 2	ON (Fuel lid closed)	Below 1 ohms

If the result is not as specified, replace the slide door half open stopper control.

INSTALLATION

INSTALLATION

1. INSTALL FUEL LID COURTESY SWITCH (w/ Power Slide Door)

- Install the fuel lid courtesy switch with the 2 screws.

2. INSTALL SLIDE DOOR HALF OPEN STOPPER CONTROL ASSEMBLY

- Install the slide door half open stopper control with the 2 nuts.

Torque: 16 N*m (163 kgf*cm, 12 ft.*lbf)

- Engage the clamp and connect the connector.

HINT:

If the vehicle is equipped with power slide door system, engage the clamp and connect the connector.

- Connect the clamps.

3. INSTALL SLIDE DOOR HALF OPEN STOPPER SUB-ASSEMBLY

- Install the slide door half open stopper with the 2 bolts.

Torque: 7.5 N*m (76 kgf*cm, 66 in.*lbf)

b. Connect the slide door half open control cable.

4. INSTALL SLIDE DOOR HALF OPEN STOPPER COVER

a. Engage the 2 clips and install the slide door half open stopper cover.

5. INSTALL QUARTER TRIM PANEL ASSEMBLY LH . Refer to INSTALLATION - Step 15

6. INSTALL SLIDE DOOR WEATHERSTRIP LH

7. INSTALL REAR DOOR SCUFF PLATE LH

HINT:

Use the same procedure as for the RH side. Refer to INSTALLATION - Step 27 .

8. INSTALL REAR NO. 2 SEAT OUTER BELT ASSEMBLY LH . Refer to INSTALLATION - Step 3

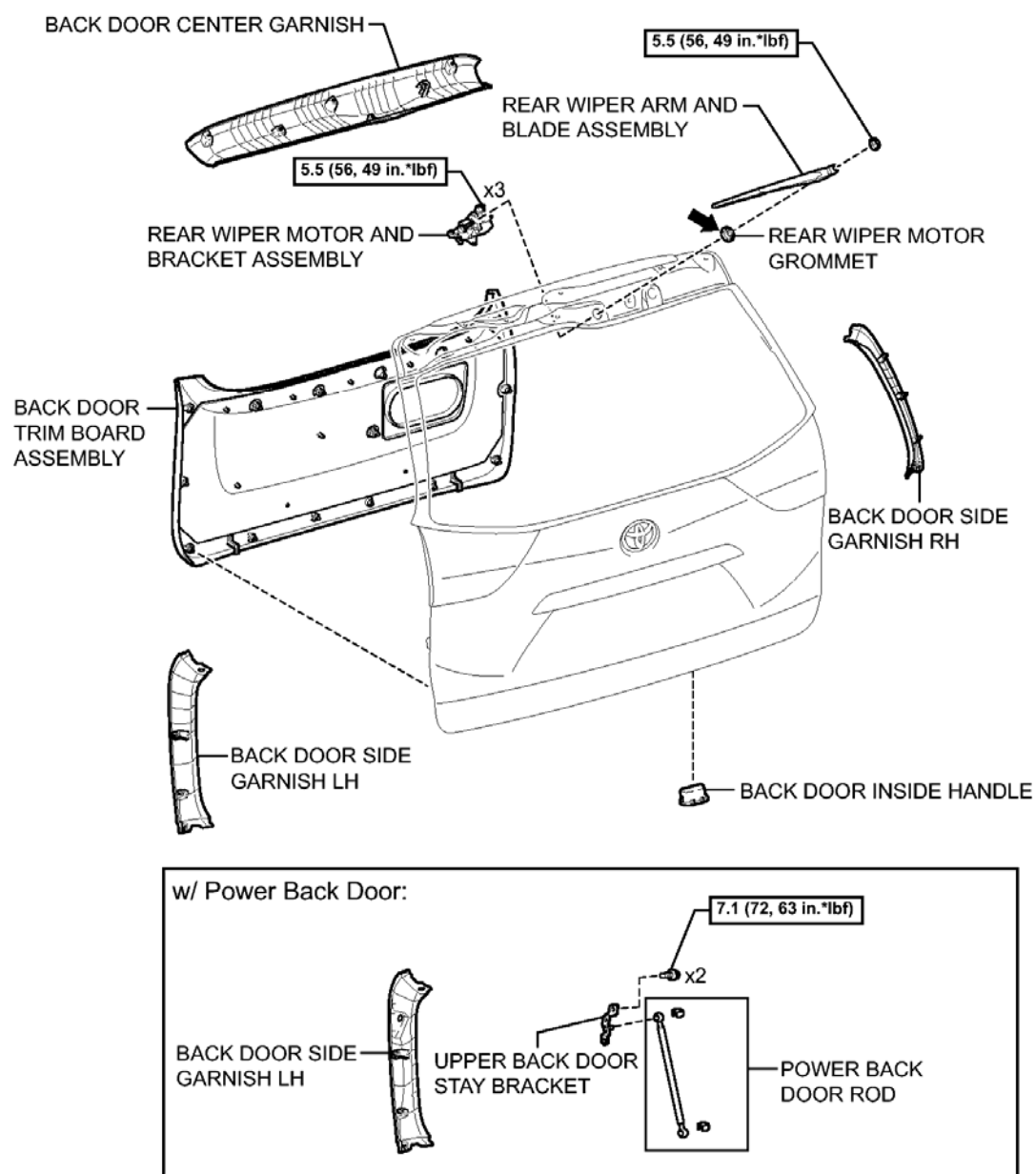
9. INSTALL BACK DOOR SCUFF PLATE . Refer to INSTALLATION - Step 24

10. INSTALL BACK DOOR WEATHERSTRIP

BACK DOOR

COMPONENTS

ILLUSTRATION



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

Fig. 234: Back Door Replacement Components With Torque Specifications (1 Of 3)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION

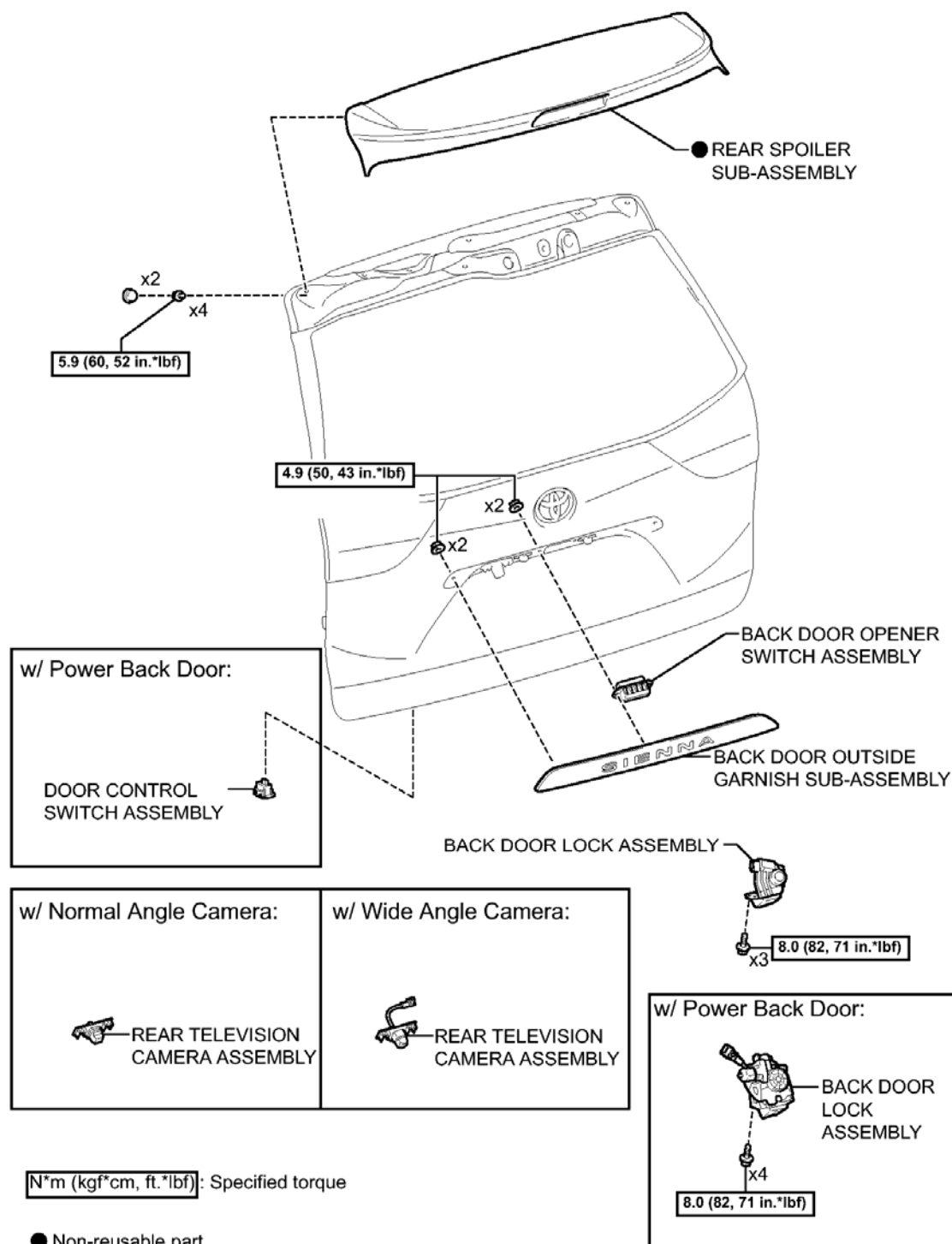


Fig. 235: Back Door Replacement Components With Torque Specifications (2 Of 3)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION

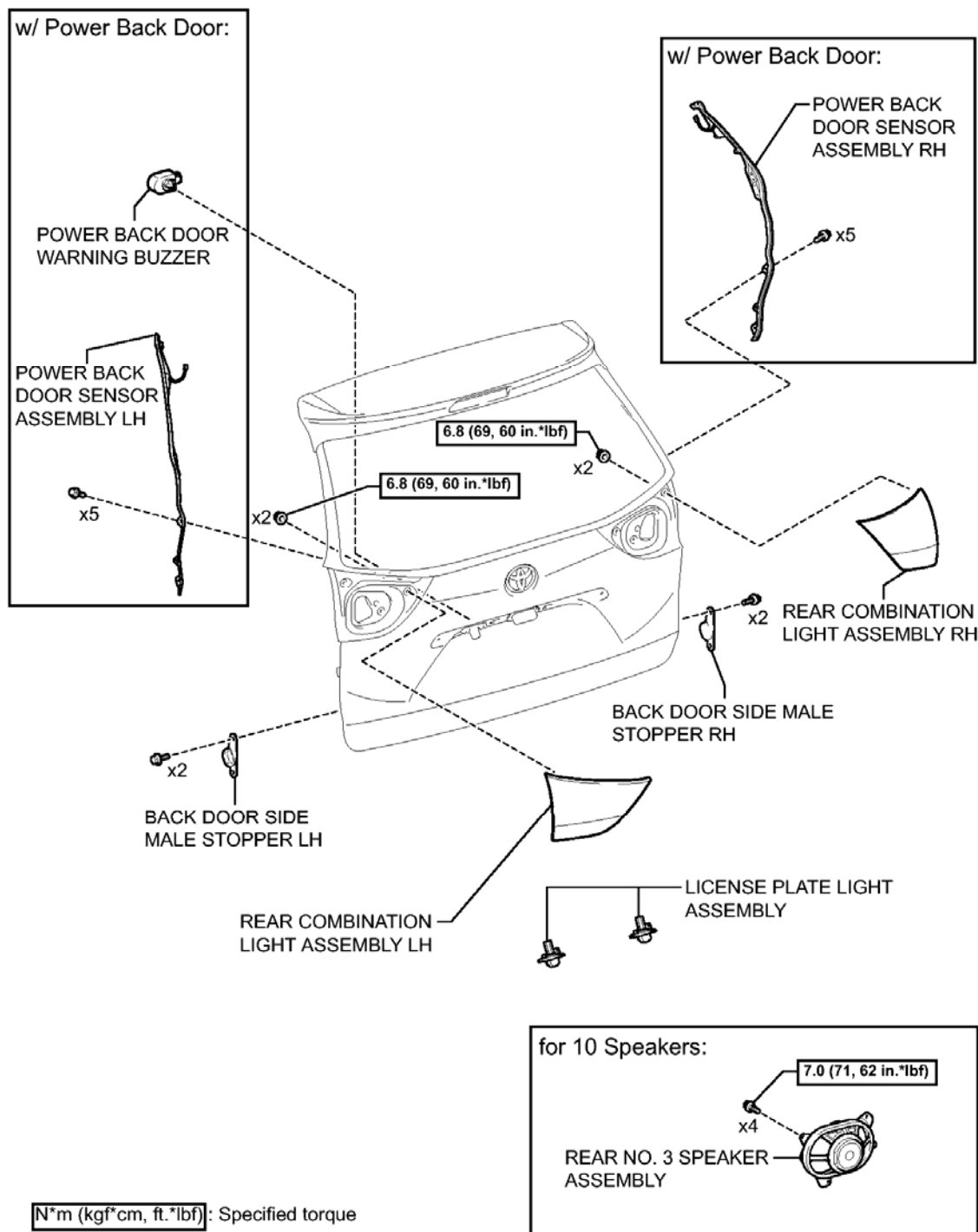


Fig. 236: Back Door Replacement Components With Torque Specifications (3 Of 3)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DISASSEMBLY

DISASSEMBLY

1. REMOVE BACK DOOR CENTER GARNISH

- a. Disengage the 5 clips and 4 claws and remove the back door center garnish.

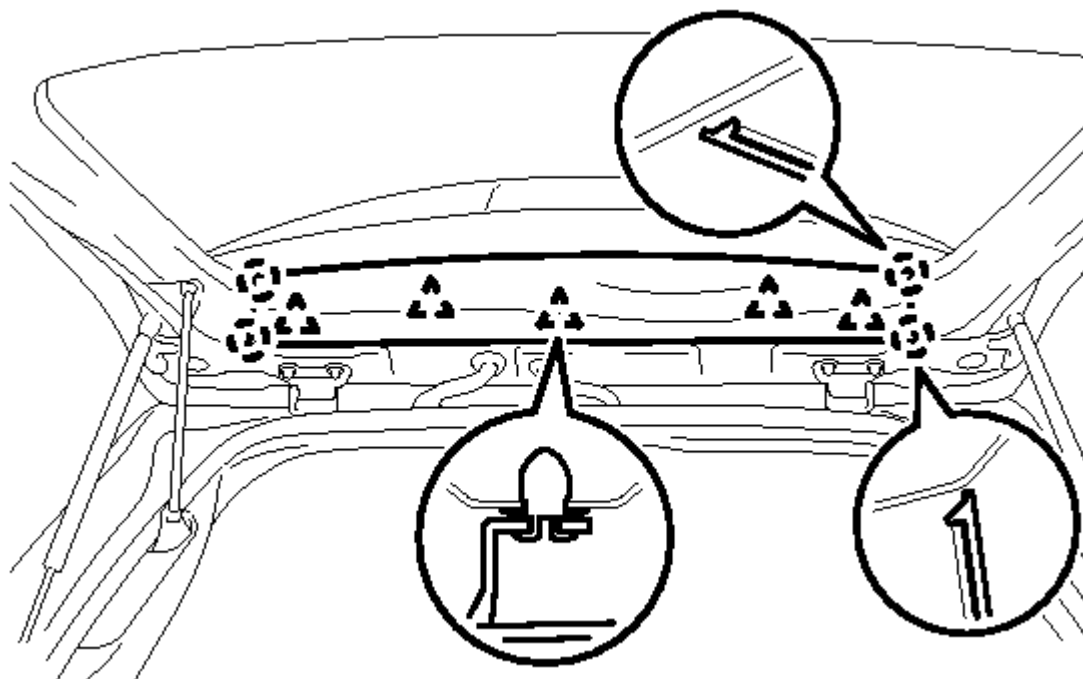
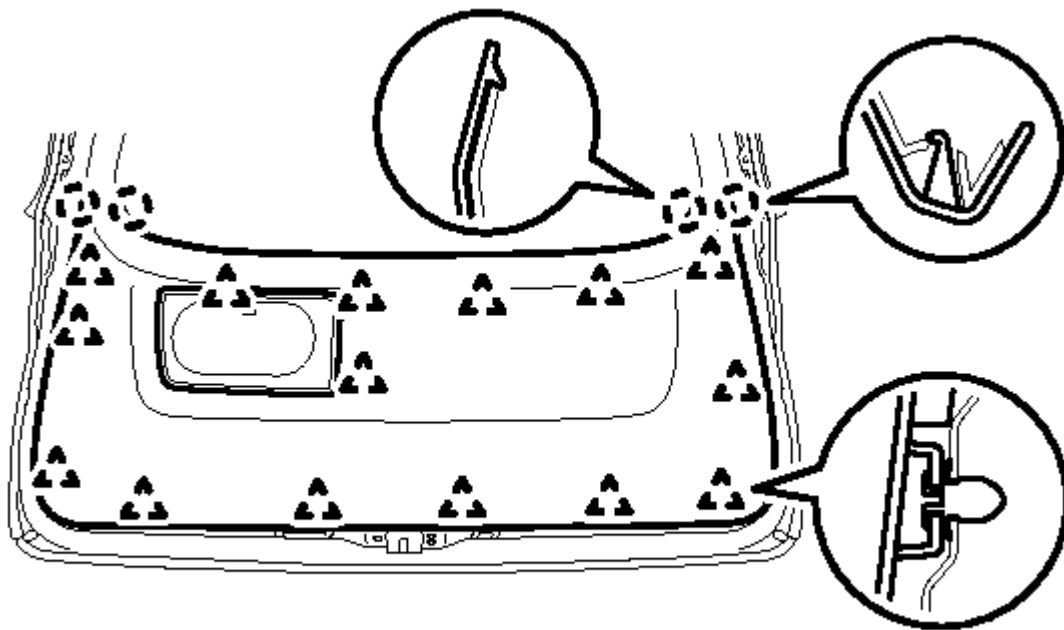


Fig. 237: Identifying Back Door Center Garnish Clips & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. REMOVE BACK DOOR TRIM BOARD ASSEMBLY

- a. Disengage the 15 clips and 4 claws and remove the back door trim board.

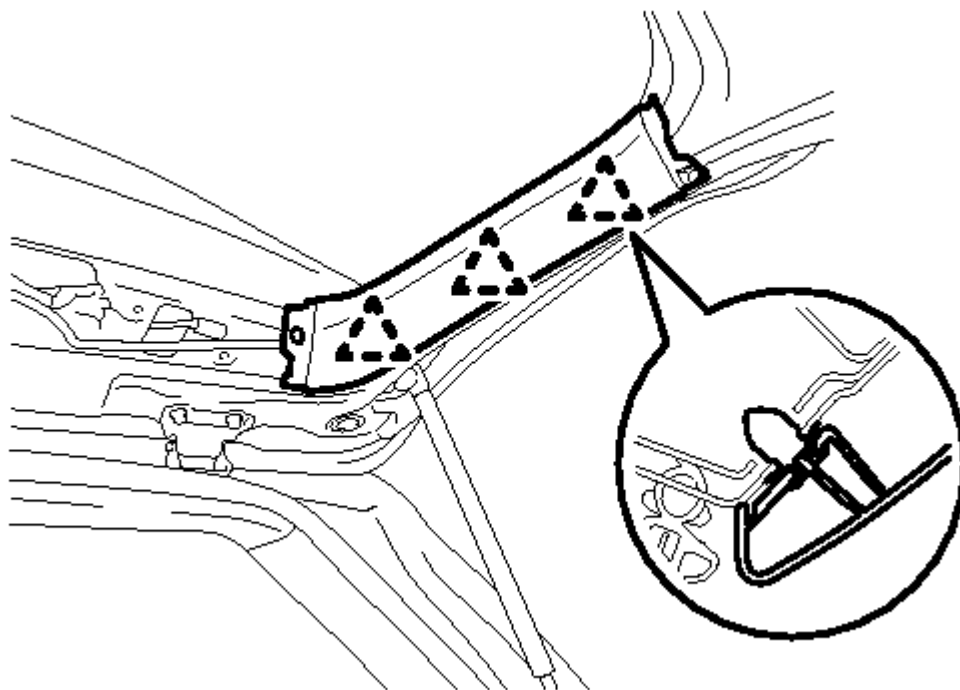


T

Fig. 238: Identifying Back Door Trim Board Assembly & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. REMOVE BACK DOOR SIDE GARNISH RH

- a. Disengage the 3 clips and remove the back door side garnish RH.



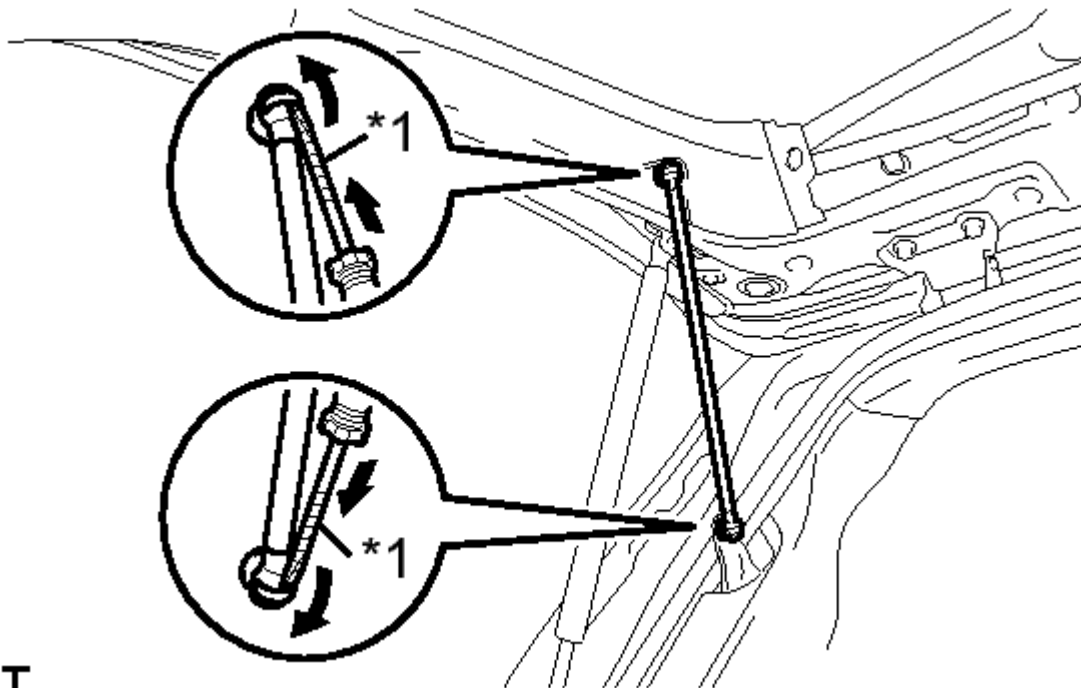
T

Fig. 239: Identifying Back Door Side Garnish RH & Clips

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

4. REMOVE POWER BACK DOOR ROD (w/ Power Back Door)

- a. Using a screwdriver with its tip wrapped in protective tape, remove the 2 stop rings and power back door rod.



T

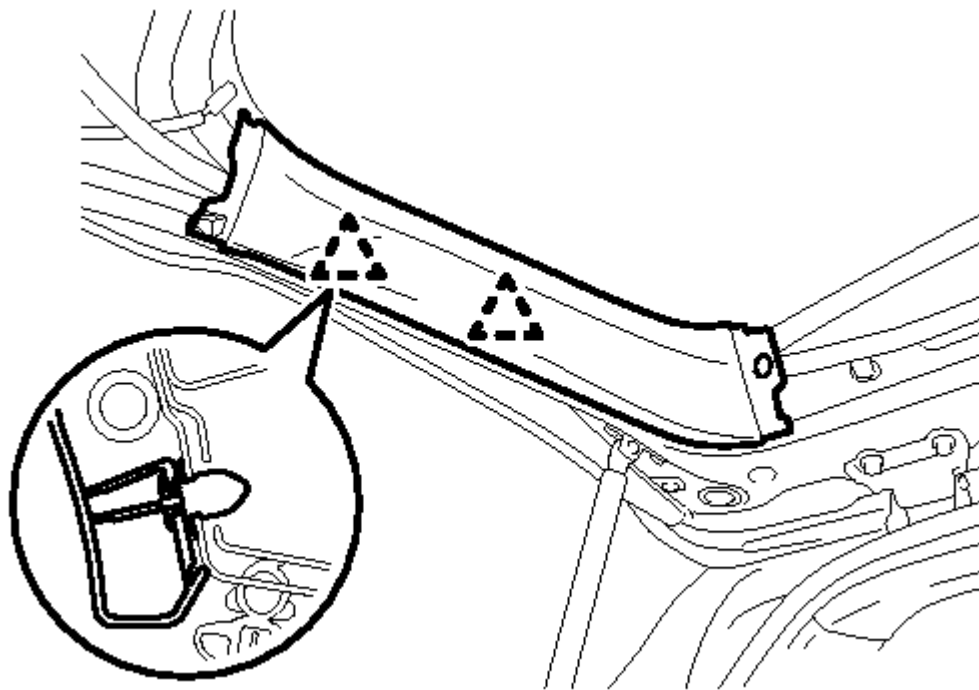
Fig. 240: Removing Power Back Door Rod Stop Rings Using A Screwdriver
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Protective Tape
----	--------------------

5. REMOVE BACK DOOR SIDE GARNISH LH (w/o Power Back Door)

- a. Disengage the 2 clips and remove the back door side garnish LH.

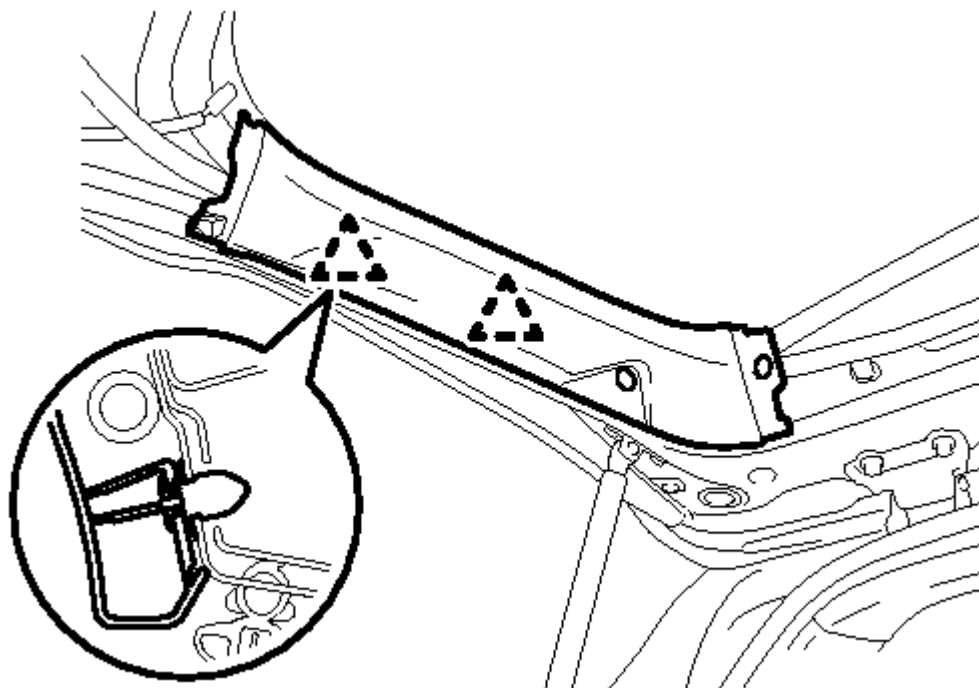


T

Fig. 241: Identifying Back Door Side Garnish LH & Clips (w/o Power Back Door)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. REMOVE BACK DOOR SIDE GARNISH LH (w/ Power Back Door)

- a. Disengage the 2 clips and remove the back door side garnish LH.



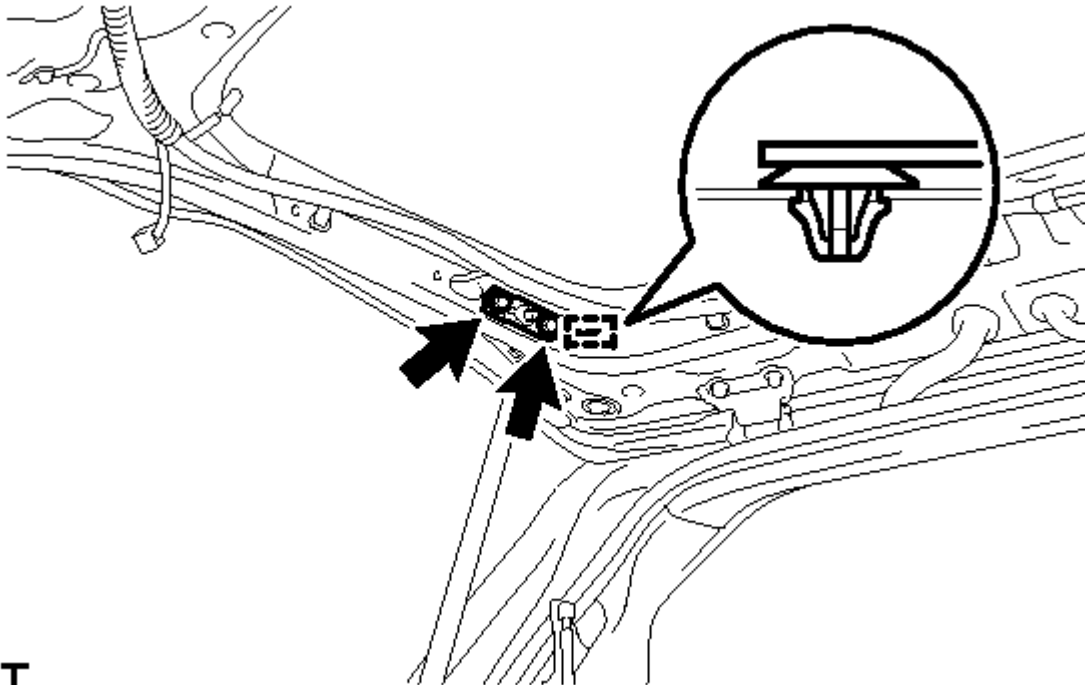
T

Fig. 242: Identifying Back Door Side Garnish LH & Clips (w/ Power Back Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

7. REMOVE UPPER BACK DOOR STAY BRACKET

- a. Disengage the clamp and remove the 2 bolts and upper back door stay bracket.

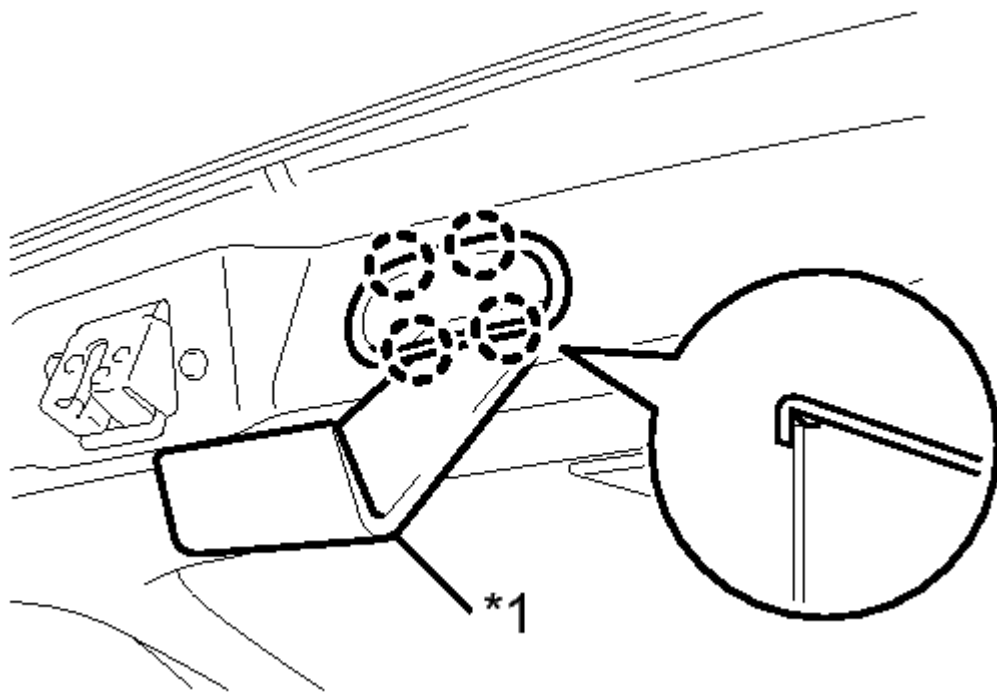


T

Fig. 243: Identifying Upper Back Door Stay Bracket & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. REMOVE BACK DOOR INSIDE HANDLE

- a. Using a moulding remover, disengage the 4 claws and remove the back door inside handle.



T

Fig. 244: Removing Back Door Inside Handle & Claws Using A Moulding Remover
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Moulding Remover
----	---------------------

9. **REMOVE POWER BACK DOOR WARNING BUZZER (w/ Power Back Door)** See step 2
10. **REMOVE REAR SPOILER SUB-ASSEMBLY** . Refer to **REMOVAL - Step 2**
11. **REMOVE REAR WIPER ARM AND BLADE ASSEMBLY** . Refer to **REMOVAL - Step 3**
12. **REMOVE REAR WIPER MOTOR GROMMET** . Refer to **REMOVAL - Step 5**
13. **REMOVE REAR WIPER MOTOR AND BRACKET ASSEMBLY** . Refer to **REMOVAL - Step 4**
14. **REMOVE DOOR CONTROL SWITCH ASSEMBLY (w/ Power Back Door)** See step 2
15. **REMOVE BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY** . Refer to **REMOVAL - Step 3**
16. **REMOVE BACK DOOR OPENER SWITCH ASSEMBLY** See step 3
17. **REMOVE REAR TELEVISION CAMERA ASSEMBLY (w/ Normal Angle Camera)** . Refer to **REMOVAL - Step 5**
18. **REMOVE REAR TELEVISION CAMERA ASSEMBLY (w/ Wide Angle Camera)** . Refer to **REMOVAL - Step 6**
19. **REMOVE BACK DOOR LOCK ASSEMBLY (w/o Power Back Door)** . Refer to **REMOVAL - Step 3**
20. **REMOVE BACK DOOR LOCK ASSEMBLY (w/ Power Back Door)** . Refer to **REMOVAL - Step 2**
21. **REMOVE POWER BACK DOOR SENSOR ASSEMBLY LH (w/ Power Back Door)** See step 6
22. **REMOVE POWER BACK DOOR SENSOR ASSEMBLY RH (w/ Power Back Door)** See step 7

23. REMOVE BACK DOOR SIDE MALE STOPPER LH

- a. Remove the 2 bolts and back door side male stopper.

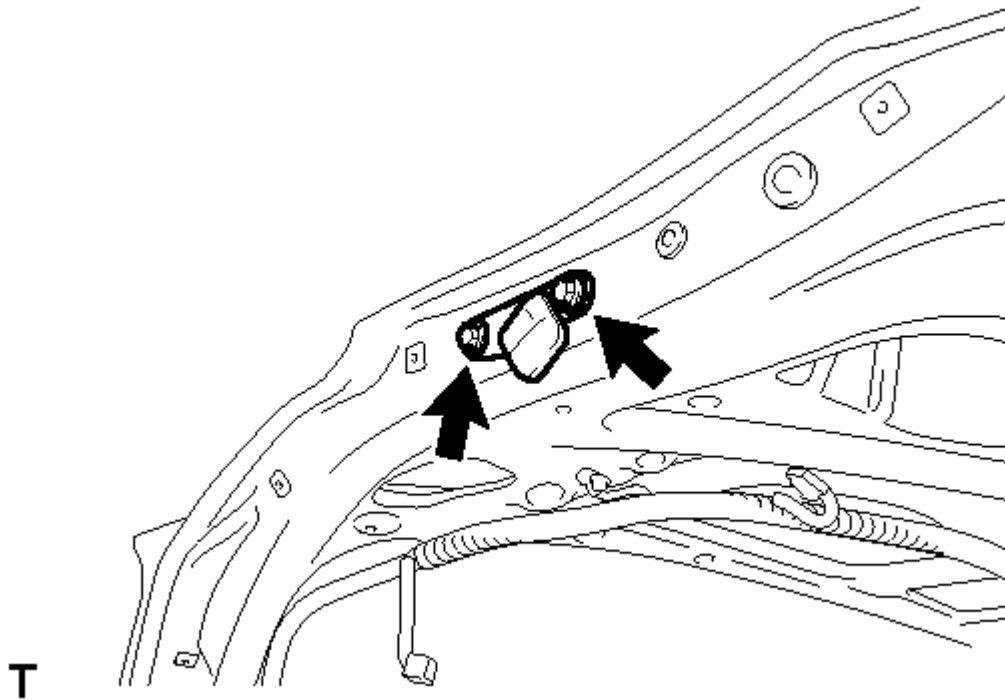


Fig. 245: Identifying Back Door Side Male Stopper LH & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

24. REMOVE BACK DOOR SIDE MALE STOPPER RH

HINT:

Use the same procedure as for the LH side.

- 25. REMOVE REAR NO. 3 SPEAKER ASSEMBLY (for 10 Speakers) . Refer to REMOVAL - Step 2**
26. REMOVE LICENSE PLATE LIGHT ASSEMBLY . Refer to REMOVAL - Step 2
27. REMOVE REAR COMBINATION LIGHT ASSEMBLY LH . Refer to REMOVAL - Step 1
28. REMOVE REAR COMBINATION LIGHT ASSEMBLY RH

HINT:

Use the same procedure as for the LH side. Refer to REMOVAL - Step 1 .

ADJUSTMENT

ADJUSTMENT

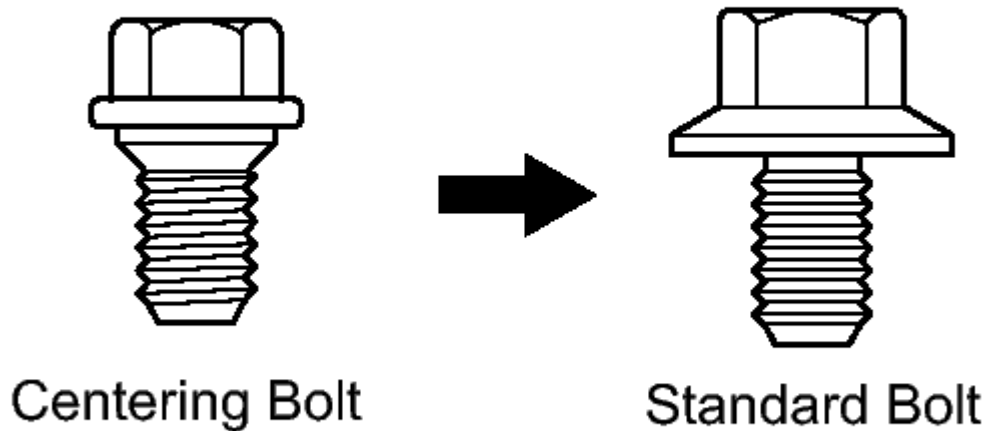


Fig. 246: Identifying Centering And Standard Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

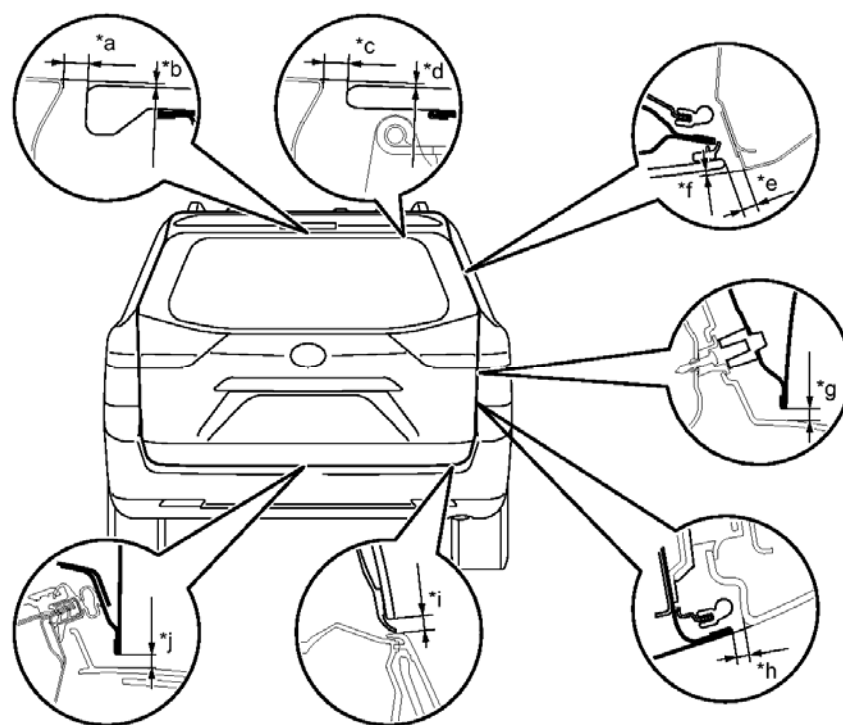
HINT:

- Centering bolts are used to mount the door hinge onto the vehicle body and door. The door cannot be adjusted with the centering bolts in. Substitute standard bolts (with washers) for the centering bolts when making adjustments.
- For bolts without torque specifications, check the standard bolt chart. Refer to **SPECIFIED TORQUE FOR STANDARD BOLTS** .

ADJUSTMENT

1. INSPECT BACK DOOR PANEL SUB-ASSEMBLY

- a. Check that the clearance measurements are within the standard ranges.



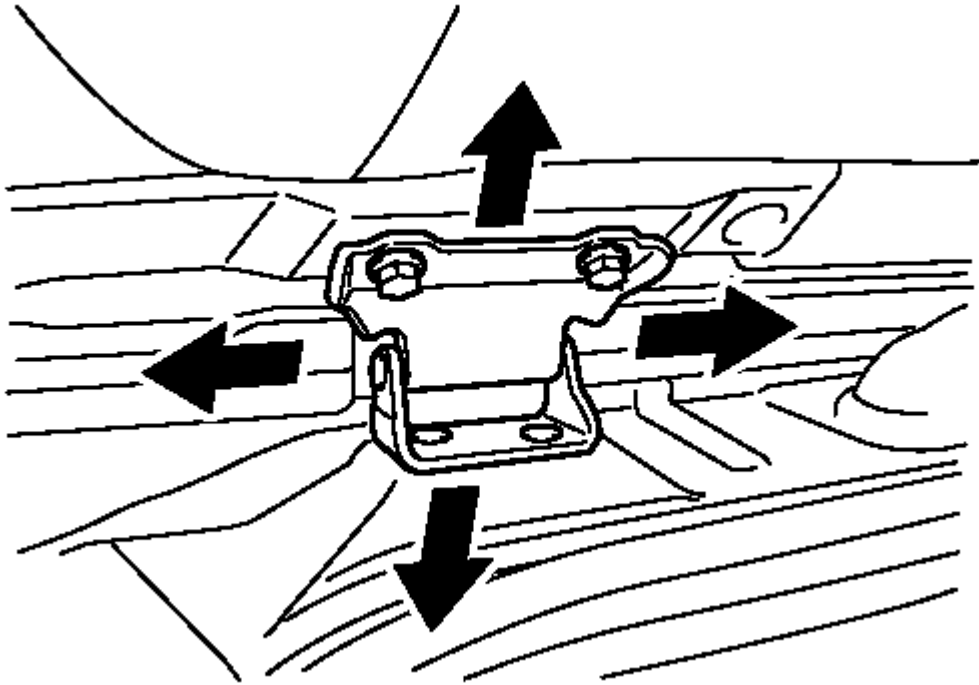
Y

Fig. 247: Inspecting Back Door Panel Sub-Assembly Clearance Measurements
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Standard

Area	Measurement	Area	Measurement
*a	7.7 to 11.7 mm (0.303 to 0.461 in.)	*f	0 to 4.0 mm (0 to 0.157 in.)
*b	-1.0 to 3.0 mm (-0.039 to 0.118 in.)	*g	4.1 to 8.1 mm (0.161 to 0.319 in.)
*c	7.7 to 11.7 mm (0.303 to 0.461 in.)	*h	3.2 to 7.2 mm (0.126 to 0.283 in.)
*d	-1.0 to 3.0 mm (-0.039 to 0.118 in.)	*i	4.2 to 8.2 mm (0.165 to 0.323 in.)
*e	4.2 to 8.2 mm (0.165 to 0.323 in.)	*j	4.2 to 8.2 mm (0.165 to 0.323 in.)

2. **REMOVE BACK DOOR SCUFF PLATE** . Refer to **REMOVAL - Step 17**
3. **ADJUST BACK DOOR PANEL SUB-ASSEMBLY**



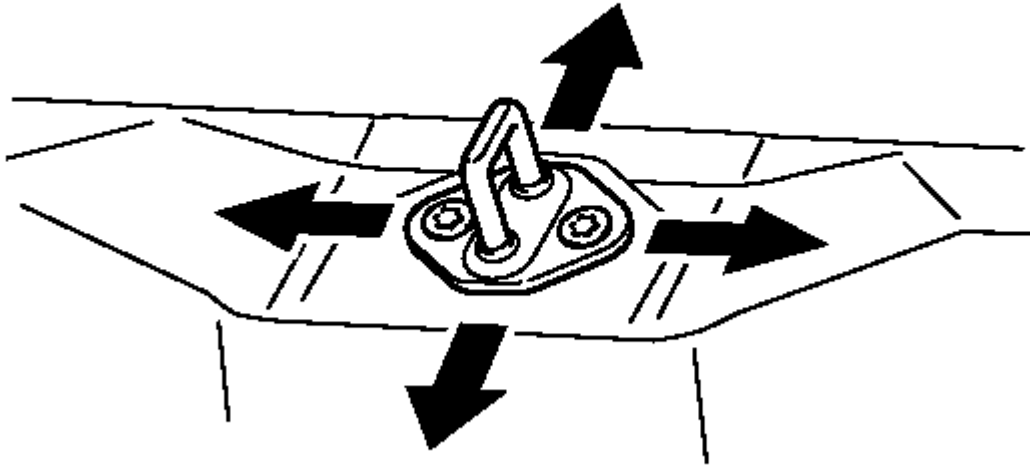
Y

Fig. 248: Adjusting Back Door Panel Sub-Assembly Position
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Adjust the door position.
 1. Horizontally and vertically adjust the door by loosening the door side hinge bolts.

Torque: 20 N*m (199 kgf*cm, 14 ft.*lbf)

- b. Adjust the striker position.



Y

Fig. 249: Adjusting Back Door Panel Sub-Assembly Striker Position
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

1. Adjust the striker position by slightly loosening the striker mounting bolts and hitting the striker with a plastic hammer.
2. Tighten the striker mounting bolts after the adjustment.

Torque: 23 N*m (235 kgf*cm, 17 ft.*lbf)

4. **INSTALL BACK DOOR SCUFF PLATE** . Refer to **INSTALLATION - Step 24**

REASSEMBLY

REASSEMBLY

1. **INSTALL REAR COMBINATION LIGHT ASSEMBLY LH** . Refer to **INSTALLATION - Step 1**
2. **INSTALL REAR COMBINATION LIGHT ASSEMBLY RH**

HINT:

Use the same procedure as for the LH side. Refer to **INSTALLATION - Step 1** .

3. **INSTALL LICENSE PLATE LIGHT ASSEMBLY** . Refer to **INSTALLATION - Step 2**
4. **INSTALL REAR NO. 3 SPEAKER ASSEMBLY (for 10 Speakers)** . Refer to **INSTALLATION - Step 1**
5. **INSTALL BACK DOOR SIDE MALE STOPPER LH**

- a. Install the back door side male stopper with the 2 bolts.

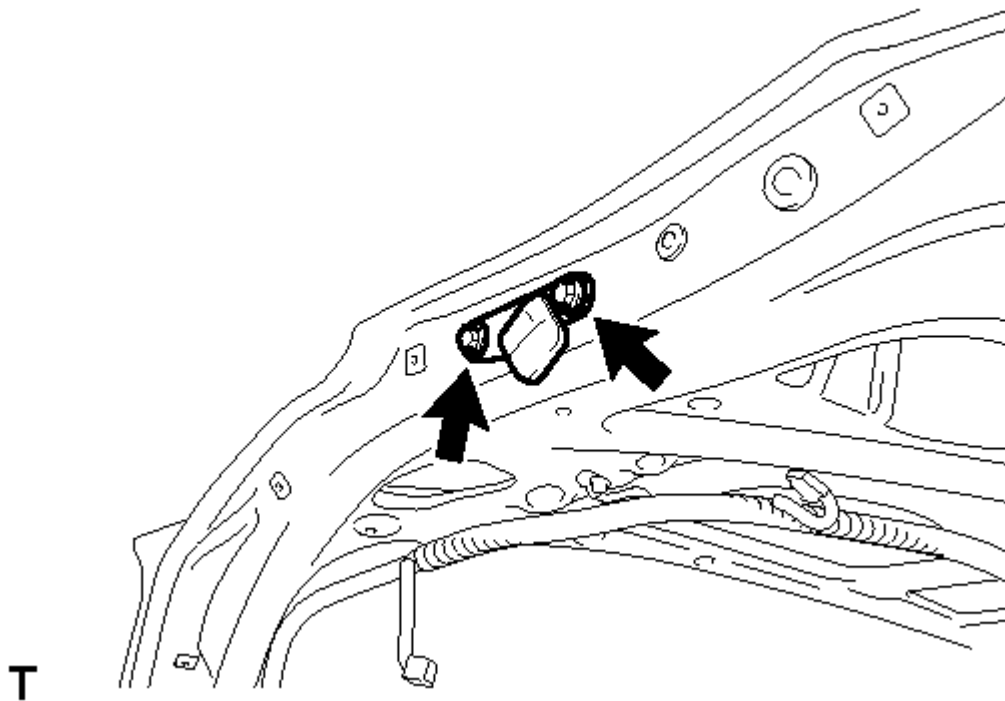


Fig. 250: Identifying Back Door Side Male Stopper LH & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. INSTALL BACK DOOR SIDE MALE STOPPER RH

HINT:

Use the same procedure as for the LH side.

7. **INSTALL POWER BACK DOOR SENSOR ASSEMBLY LH (w/ Power Back Door)** See step 1
8. **INSTALL POWER BACK DOOR SENSOR ASSEMBLY RH (w/ Power Back Door)** See step 2
9. **INSTALL BACK DOOR LOCK ASSEMBLY (w/o Power Back Door)** . Refer to **INSTALLATION - Step 2**
10. **INSTALL BACK DOOR LOCK ASSEMBLY (w/ Power Back Door)** . Refer to **INSTALLATION - Step 1**
11. **INSTALL REAR TELEVISION CAMERA ASSEMBLY (w/ Normal Angle Camera)** . Refer to **INSTALLATION - Step 1**
12. **INSTALL REAR TELEVISION CAMERA ASSEMBLY (w/ Wide Angle Camera)** . Refer to **INSTALLATION - Step 2**
13. **INSTALL BACK DOOR OPENER SWITCH ASSEMBLY** See step 1
14. **INSTALL BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY** . Refer to **INSTALLATION - Step 4**
15. **INSTALL DOOR CONTROL SWITCH ASSEMBLY (w/ Power Back Door)** See step 1

16. **INSTALL REAR WIPER MOTOR GROMMET** . Refer to INSTALLATION - Step 1
17. **INSTALL REAR WIPER MOTOR AND BRACKET ASSEMBLY** . Refer to INSTALLATION - Step 2
18. **INSTALL REAR WIPER ARM AND BLADE ASSEMBLY** . Refer to INSTALLATION - Step 3
19. **INSTALL REAR SPOILER SUB-ASSEMBLY** . Refer to INSTALLATION - Step 1
20. **INSTALL POWER BACK DOOR WARNING BUZZER (w/ Power Back Door)** See step 1
21. **INSTALL BACK DOOR INSIDE HANDLE**
 - a. Engage the 4 claws and install the back door inside handle.

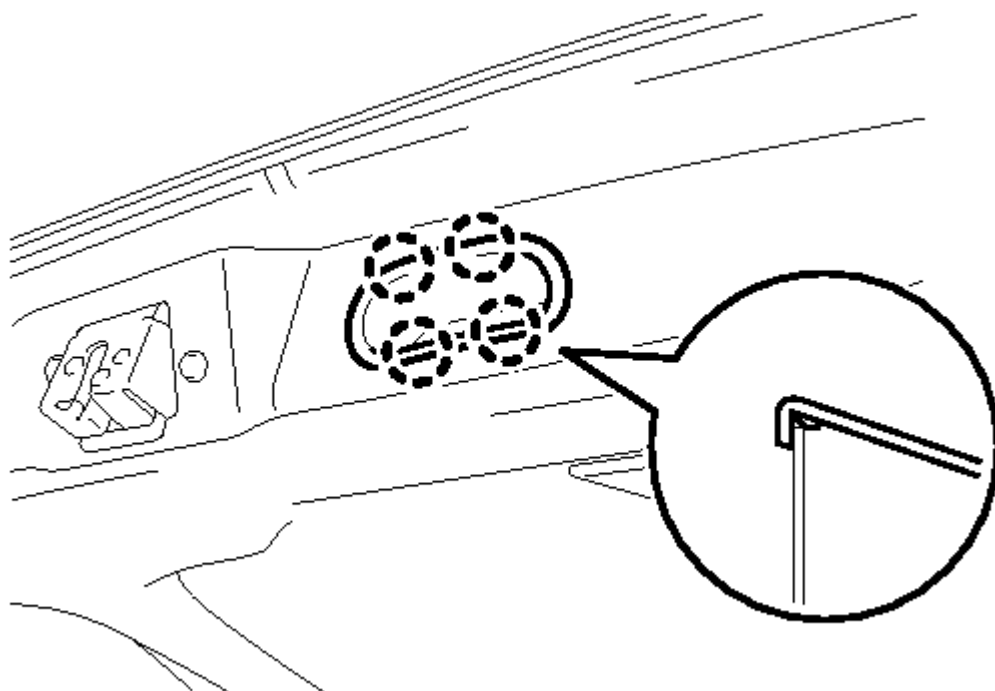
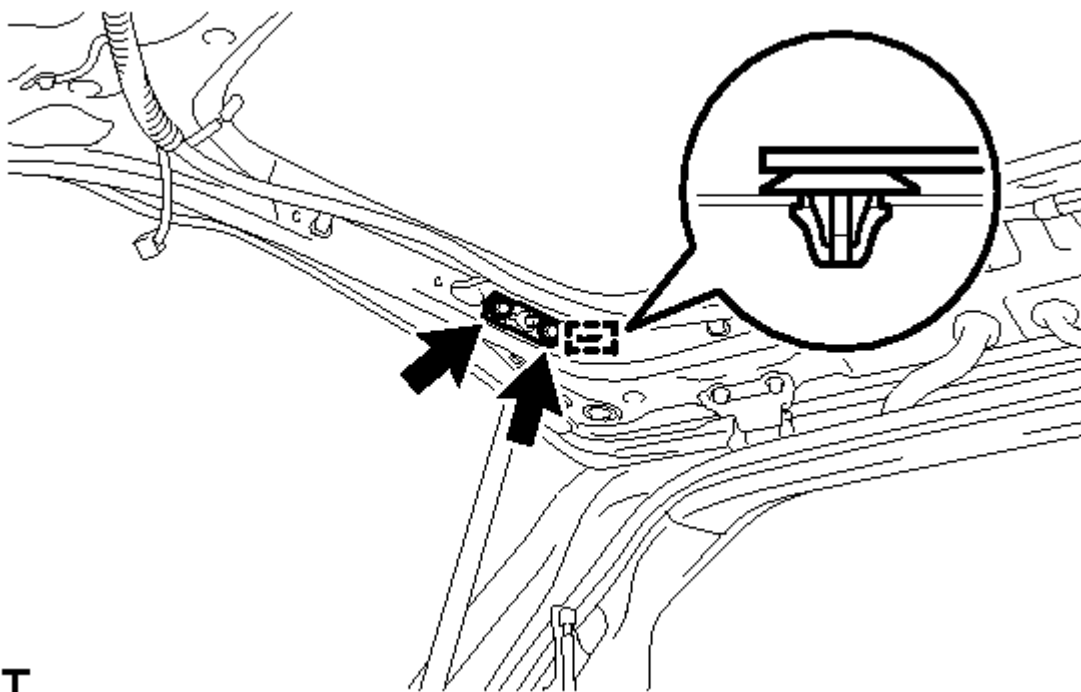


Fig. 251: Identifying Back Door Inside Handle & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

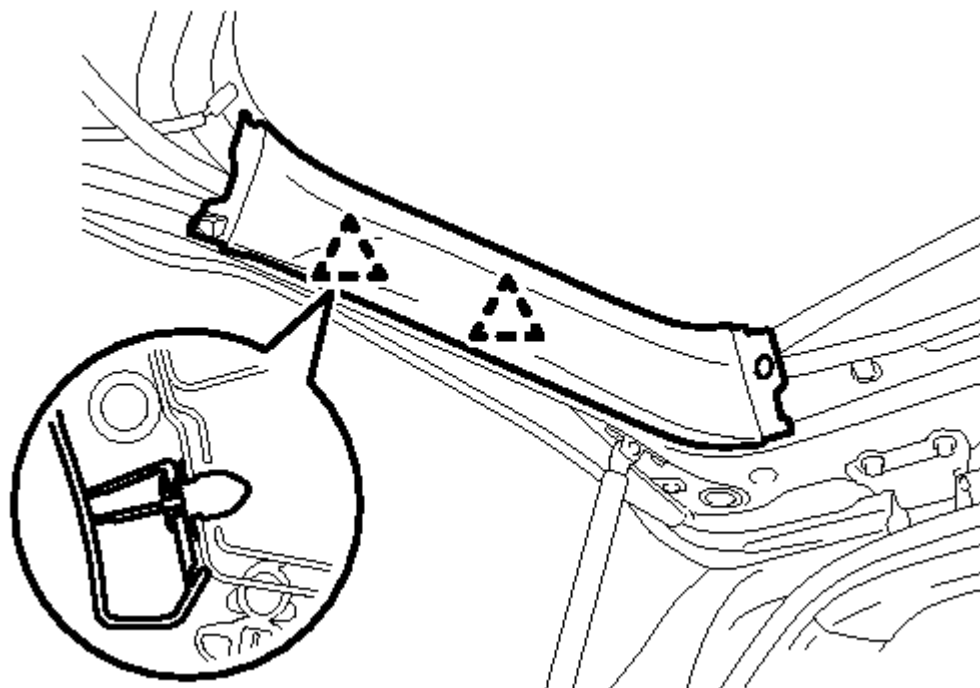
22. **INSTALL UPPER BACK DOOR STAY BRACKET**
 - a. Install the upper back door stay bracket with the 2 bolts and engage the clamp.



T

Fig. 252: Identifying Upper Back Door Stay Bracket & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

23. **INSTALL BACK DOOR SIDE GARNISH LH (w/o Power Back Door)**
 - a. Engage the 2 clips and install the back door side garnish LH.



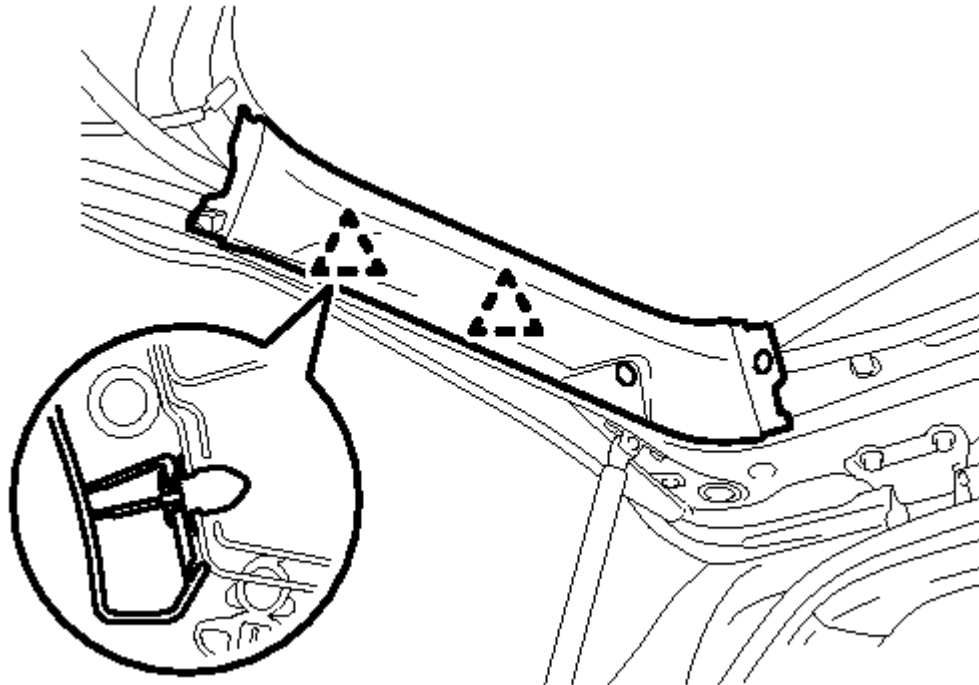
T

Fig. 253: Identifying Back Door Side Garnish LH & Clips (w/o Power Back Door)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

24. INSTALL BACK DOOR SIDE GARNISH LH (w/ Power Back Door)

- a. Engage the 2 clips and install the back door side garnish LH.



T

Fig. 254: Identifying Back Door Side Garnish LH & Clips (w/ Power Back Door)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

25. INSTALL POWER BACK DOOR ROD (w/ Power Back Door)

- a. Install the power back door rod and 2 stop rings.

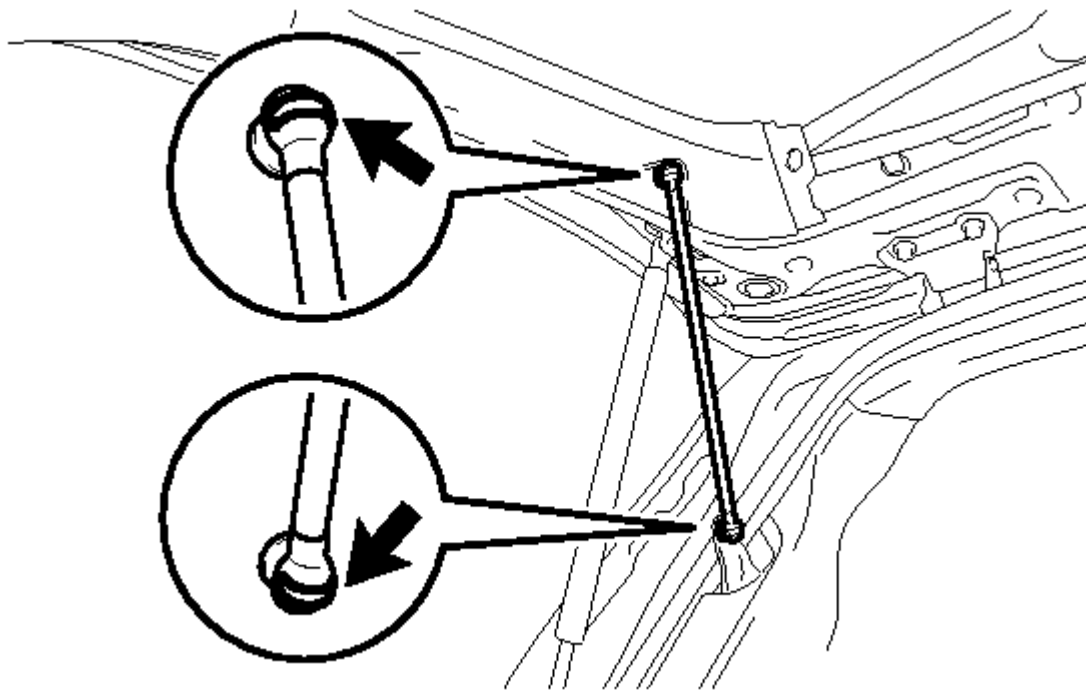
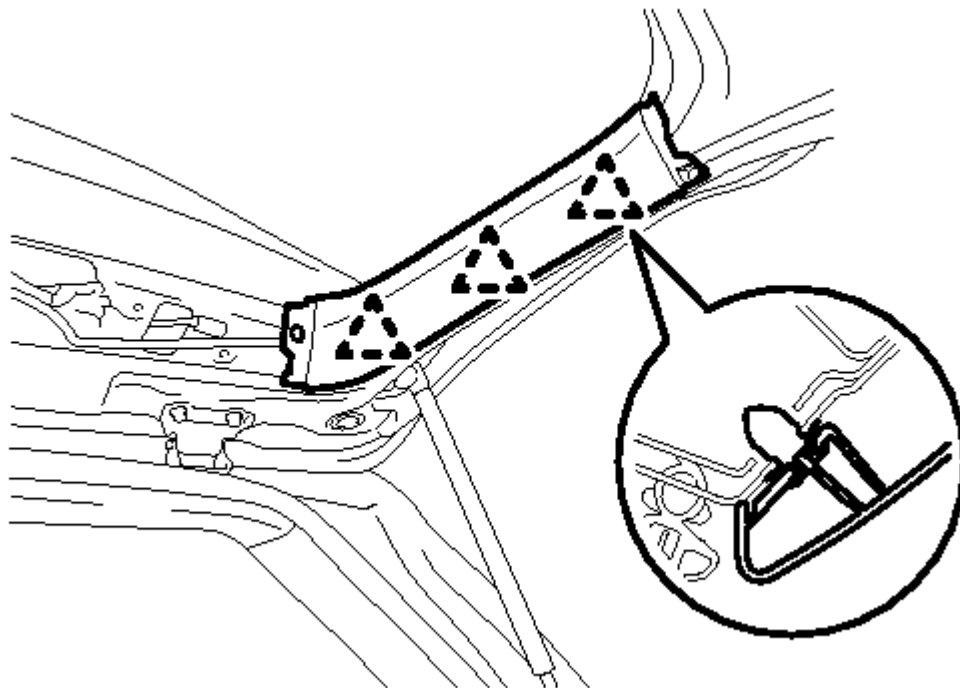


Fig. 255: Identifying Power Back Door Rod & Stop Rings
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

26. INSTALL BACK DOOR SIDE GARNISH RH

- a. Engage the 3 clips and install the back door side garnish RH.



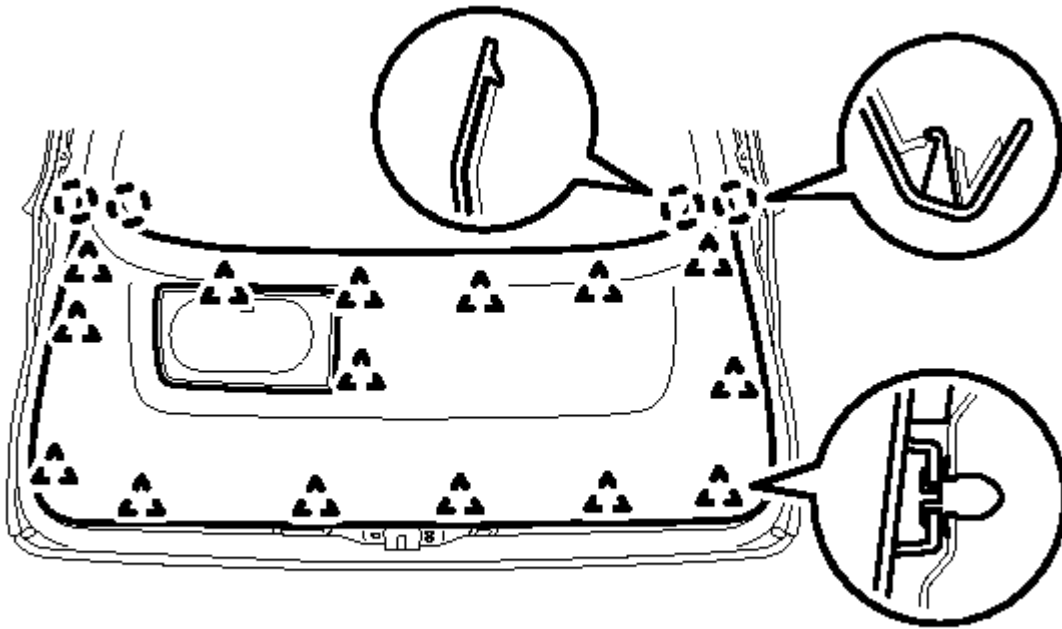
T

Fig. 256: Identifying Back Door Side Garnish RH & Clips

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

27. INSTALL BACK DOOR TRIM BOARD ASSEMBLY

- a. Engage the 15 clips and 4 claws and install the back door trim board.



T

Fig. 257: Identifying Back Door Trim Board Assembly & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

28. INSTALL BACK DOOR CENTER GARNISH

- a. Engage the 5 clips and 4 claws and install the back door center garnish.

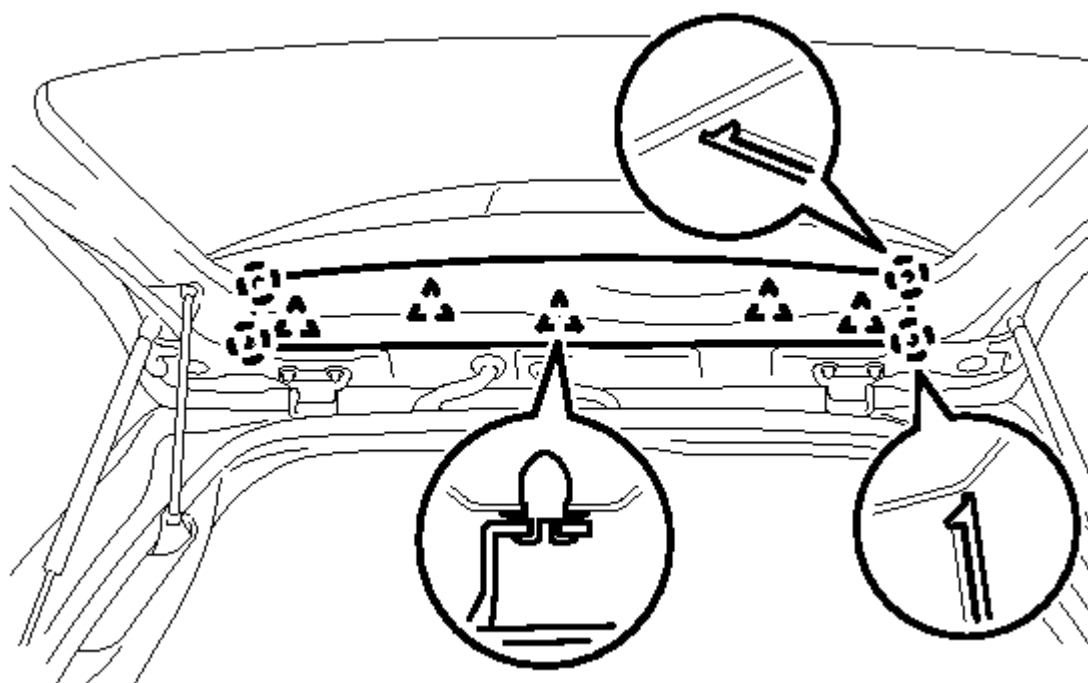
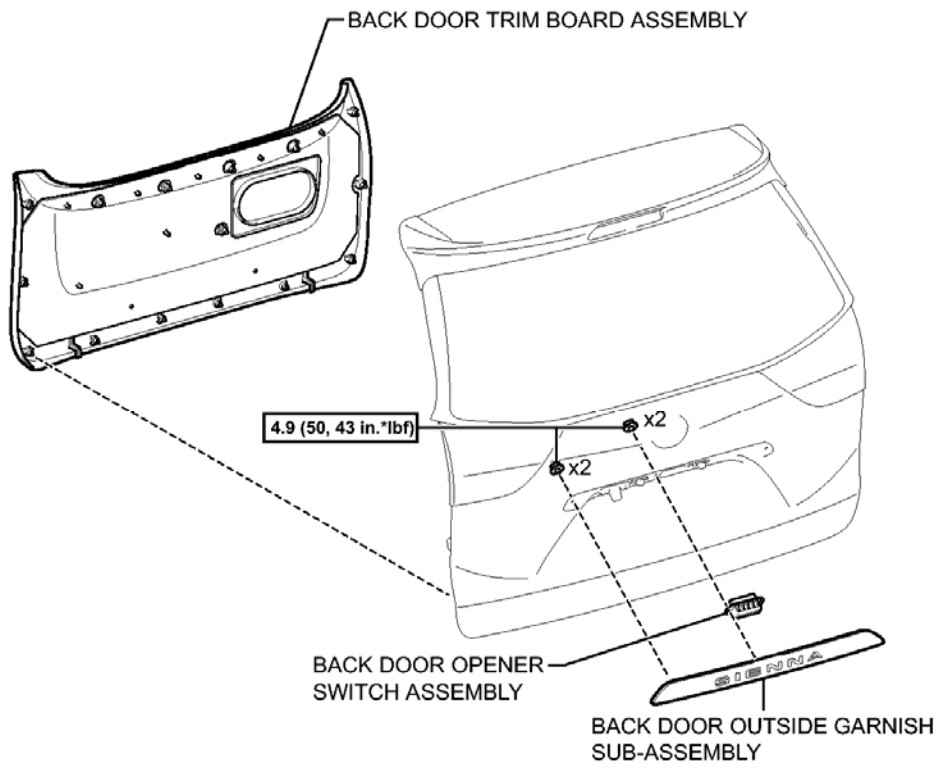


Fig. 258: Identifying Back Door Center Garnish Clips & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

BACK DOOR OPENER SWITCH

COMPONENTS

ILLUSTRATION



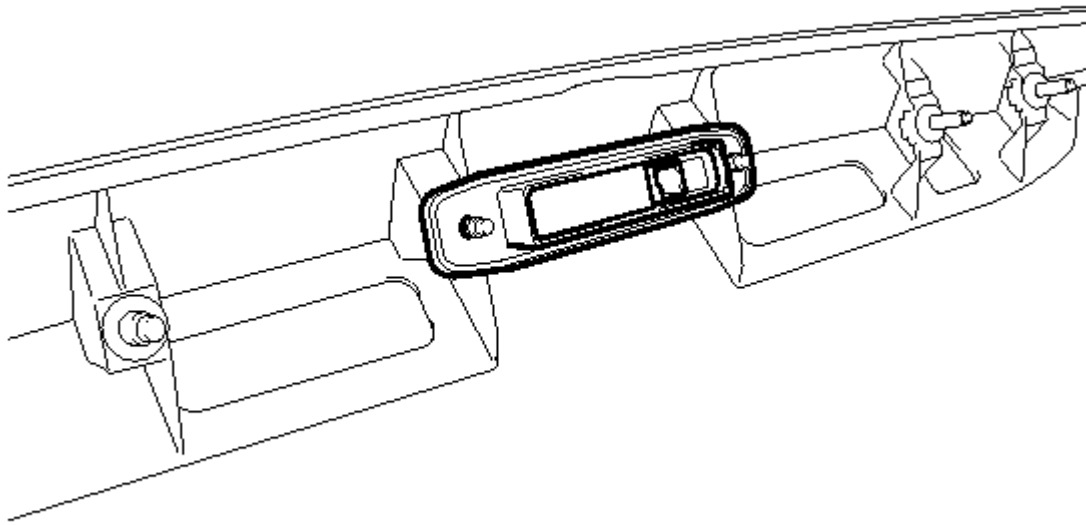
N*m (kgf*cm, ft*lbf) : Specified torque

Fig. 259: Back Door Opener Switch Replacement Components With Torque Specifications
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. **REMOVE BACK DOOR TRIM BOARD ASSEMBLY** See step 2
2. **REMOVE BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY** . Refer to **REMOVAL - Step 3**
3. **REMOVE BACK DOOR OPENER SWITCH ASSEMBLY**
 - a. Remove the back door opener switch.



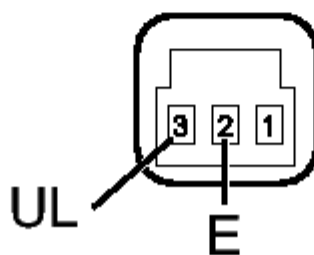
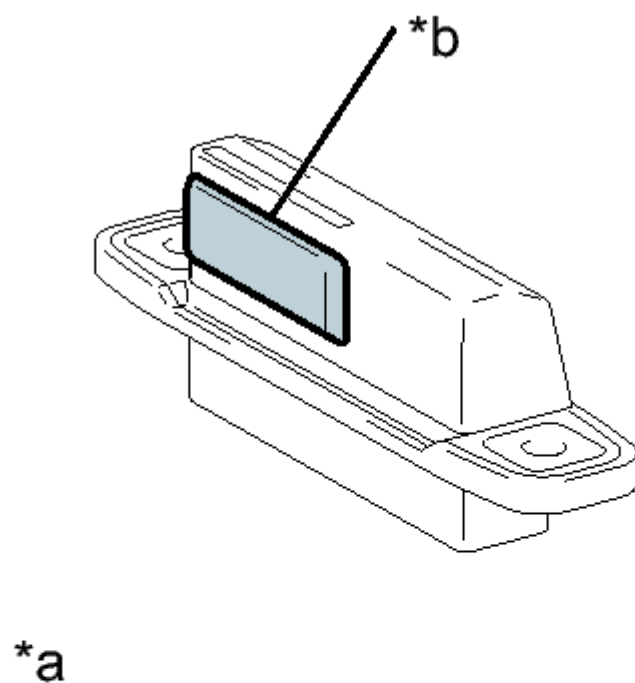
T

Fig. 260: Identifying Back Door Opener Switch Assembly
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSPECTION

INSPECTION

- 1. INSPECT BACK DOOR OPENER SWITCH ASSEMBLY (w/o Entry and Start System)**
 - a. Check the resistance of the back door opener switch.
 1. Measure the resistance according to the value(s) in the table below.



P

Fig. 261: Back Door Opener Switch Assembly (w/o Entry and Start System) Connector End View

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Back Door Opener Switch)
*b	Opener Switch

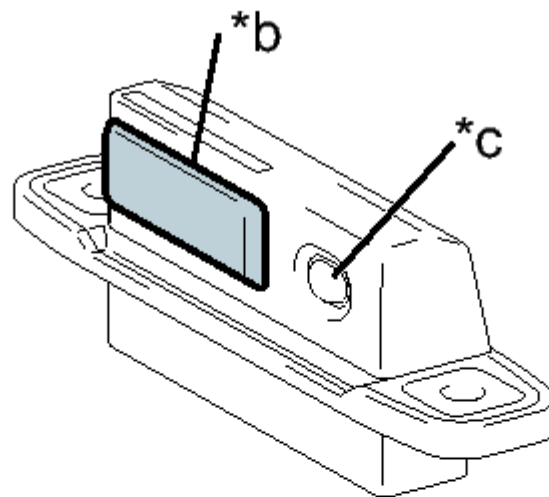
Standard Resistance

Tester Connection	Switch Condition	Specified Condition
2 (E) - 3 (UL)	Back door opener switch not pushed (OFF)	10 kohms or higher
2 (E) - 3 (UL)	Back door opener switch pushed (ON)	Below 1 ohms

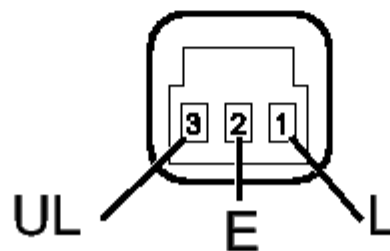
If the result is not as specified, replace the back door opener switch.

2. INSPECT BACK DOOR OPENER SWITCH ASSEMBLY (w/ Entry and Start System)

- a. Check the resistance of the back door opener switch.
 1. Measure the resistance according to the value(s) in the table below.



*a



P

Fig. 262: Back Door Opener Switch Assembly (w/ Entry and Start System) Connector End View

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Back Door Opener Switch)
*b	Opener Switch
	Lock

*c|Switch

Standard Resistance

Tester Connection	Switch Condition	Specified Condition
2 (E) - 3 (UL)	Back door opener switch not pushed (OFF)	10 kohms or higher
2 (E) - 3 (UL)	Back door opener switch pushed (ON)	Below 1 ohms
1 (L) - 2 (E)	Back door lock switch not pushed (OFF)	10 kohms or higher
1 (L) - 2 (E)	Back door lock switch pushed (ON)	Below 1 ohms

If the result is not as specified, replace the back door opener switch.

INSTALLATION

INSTALLATION

1. INSTALL BACK DOOR OPENER SWITCH ASSEMBLY

- Install the back door opener switch.

2. INSTALL BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY . Refer to INSTALLATION - Step 4

3. INSTALL BACK DOOR TRIM BOARD ASSEMBLY See step 27

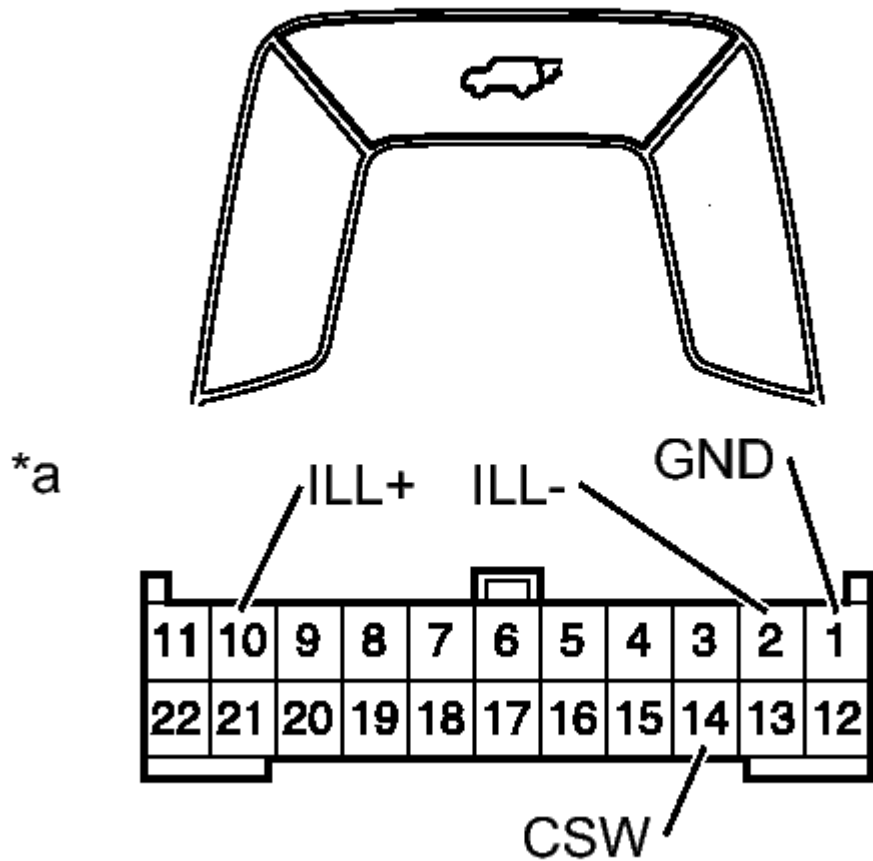
POWER BACK DOOR CONTROL SWITCH

INSPECTION

INSPECTION

1. INSPECT BACK DOOR CONTROL SWITCH

- a. Check that the power back door control switch functions.
 - 1. Measure the resistance according to the value(s) in the table below.



Y

Fig. 263: Power Back Door Control Switch Connector End View
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component
	without
	harness
	Connected
	(Roof
	Console
	Box
	Assembly)

Standard Resistance

Tester Connection	Switch Condition	Specified Condition
1 (GND) - 14 (CSW)	Pushed	Below 1 ohms
1 (GND) - 14 (CSW)	Free	10 kohms or higher

If the result is not as specified, replace the roof console box assembly.

b. Check that the switch illuminates.

1. Apply battery voltage to the power back door control switch and check that the switch illuminates.

OK

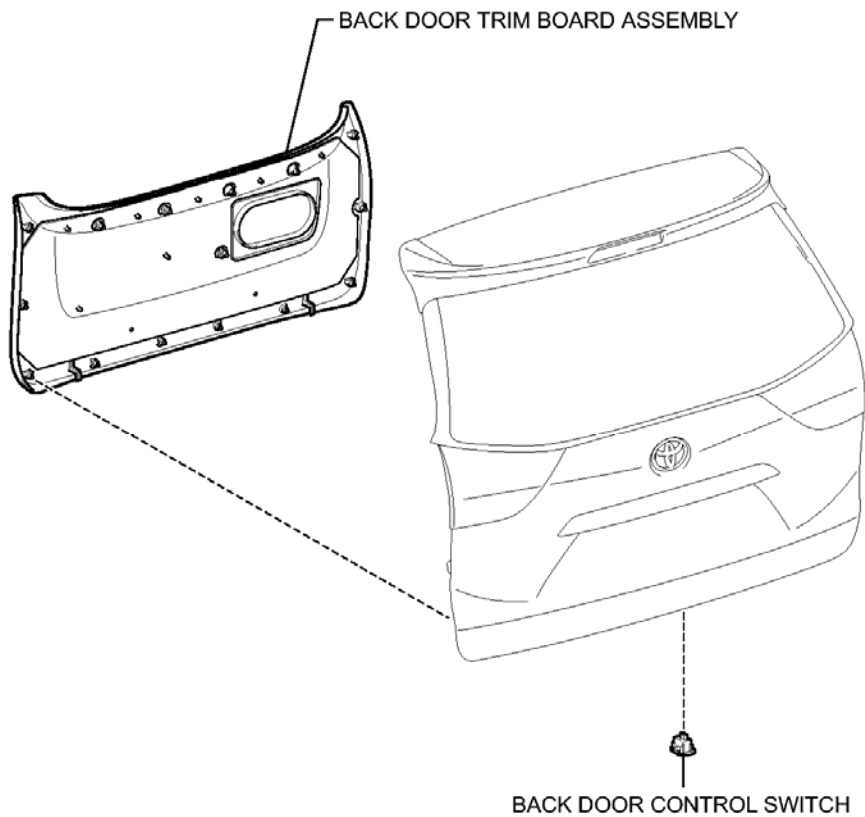
Measurement Condition	Specified Condition
Battery positive --> 10 (ILL+) Battery positive --> 2 (ILL+)	Illuminates

If the result is not as specified, replace the roof console box assembly.

POWER BACK DOOR CLOSER SWITCH

COMPONENTS

ILLUSTRATION



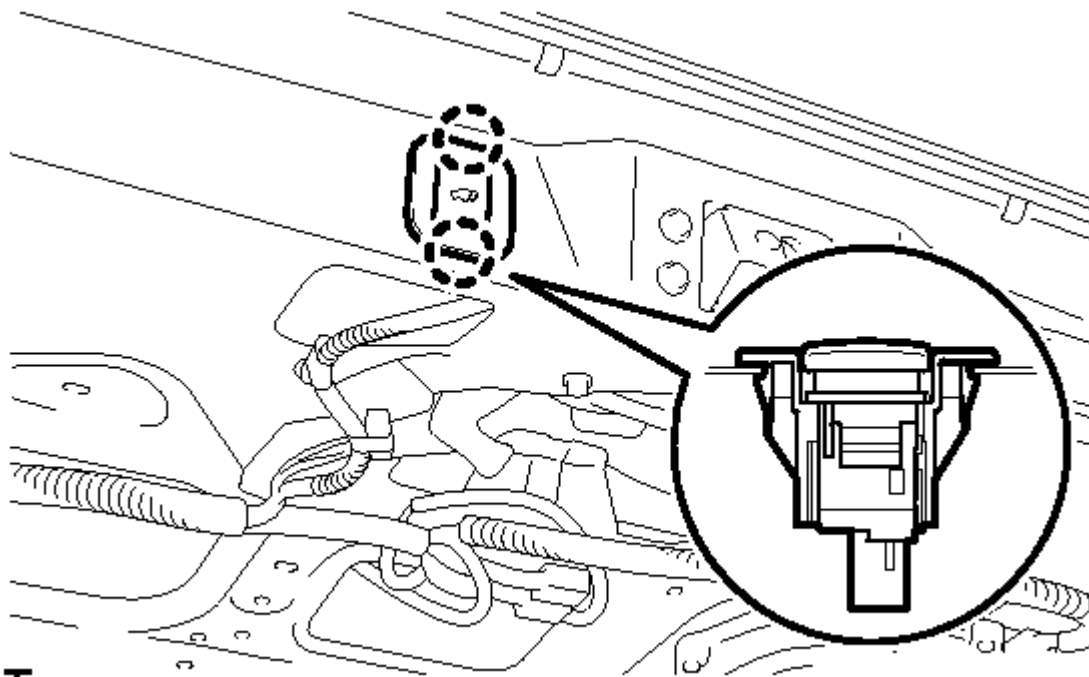
T

Fig. 264: Power Back Door Closer Switch Replacement Components
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. **REMOVE BACK DOOR TRIM BOARD ASSEMBLY** See step 2
2. **REMOVE BACK DOOR CONTROL SWITCH**
 - a. Disconnect the connector.
 - b. Disengage the 2 claws and remove the back door control switch.



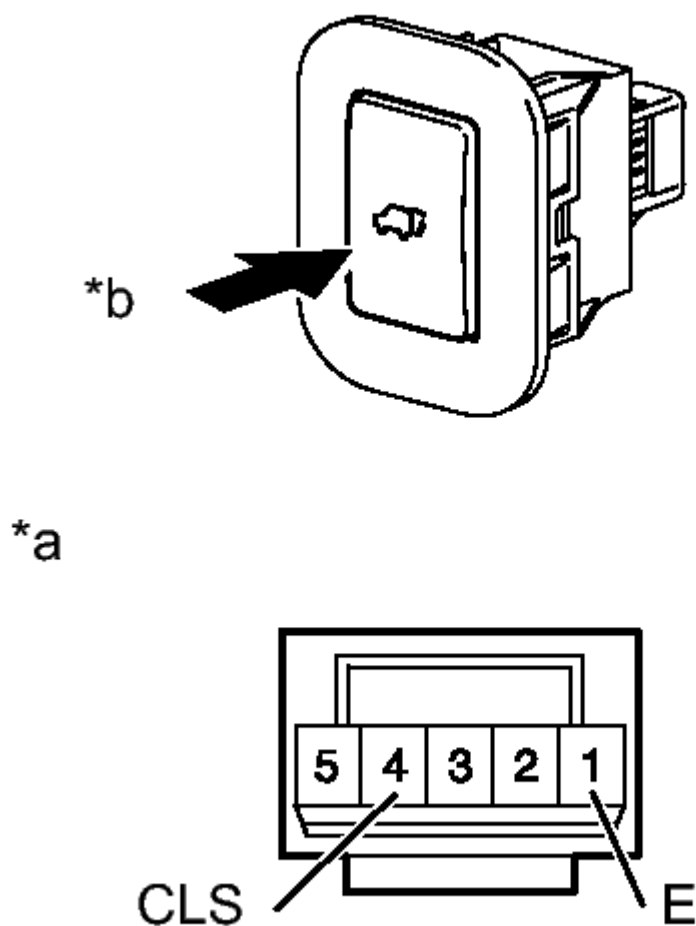
T

Fig. 265: Identifying Back Door Control Switch & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSPECTION

INSPECTION

1. INSPECT BACK DOOR CONTROL SWITCH



Y

Fig. 266: Back Door Control Switch Connector End View
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Back Door Control Switch)
*b	Push

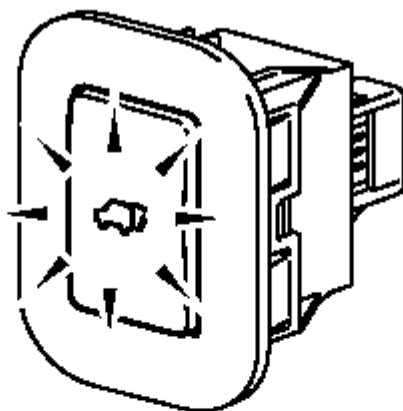
- Measure the resistance according to the value(s) in the table below.

Standard Resistance

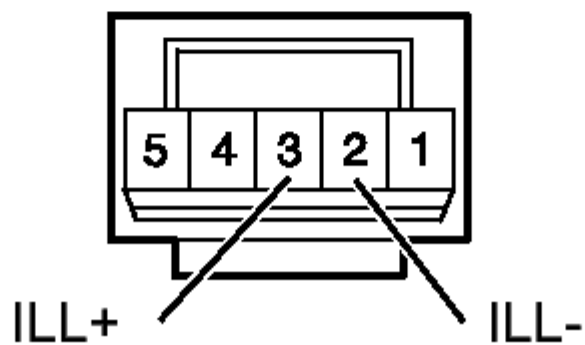
Tester Connection	Switch Condition	Specified Condition
1 (E) - 4 (CLS)	Pushed	Below 1 ohms
1 (E) - 4 (CLS)	Free	10 kohms or higher

If the result is not as specified, replace the back door control switch.

- b. Check the illumination operation.



*a



Y

Fig. 267: Checking Back Door Control Switch Illumination
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*a	Component without harness connected (Back Door Control Switch)
----	---

OK

Measurement Condition	Specified Condition
Battery positive --> 3 (ILL+)	Illuminates
Battery negative --> 2 (ILL-)	

If the result is not as specified, replace the switch.

INSTALLATION

INSTALLATION

1. INSTALL BACK DOOR CONTROL SWITCH

- Engage the 2 claws and install the back door control switch.
- Connect the connector.

2. INSTALL BACK DOOR TRIM BOARD ASSEMBLY See step 27

POWER BACK DOOR TOUCH SENSOR

COMPONENTS

ILLUSTRATION

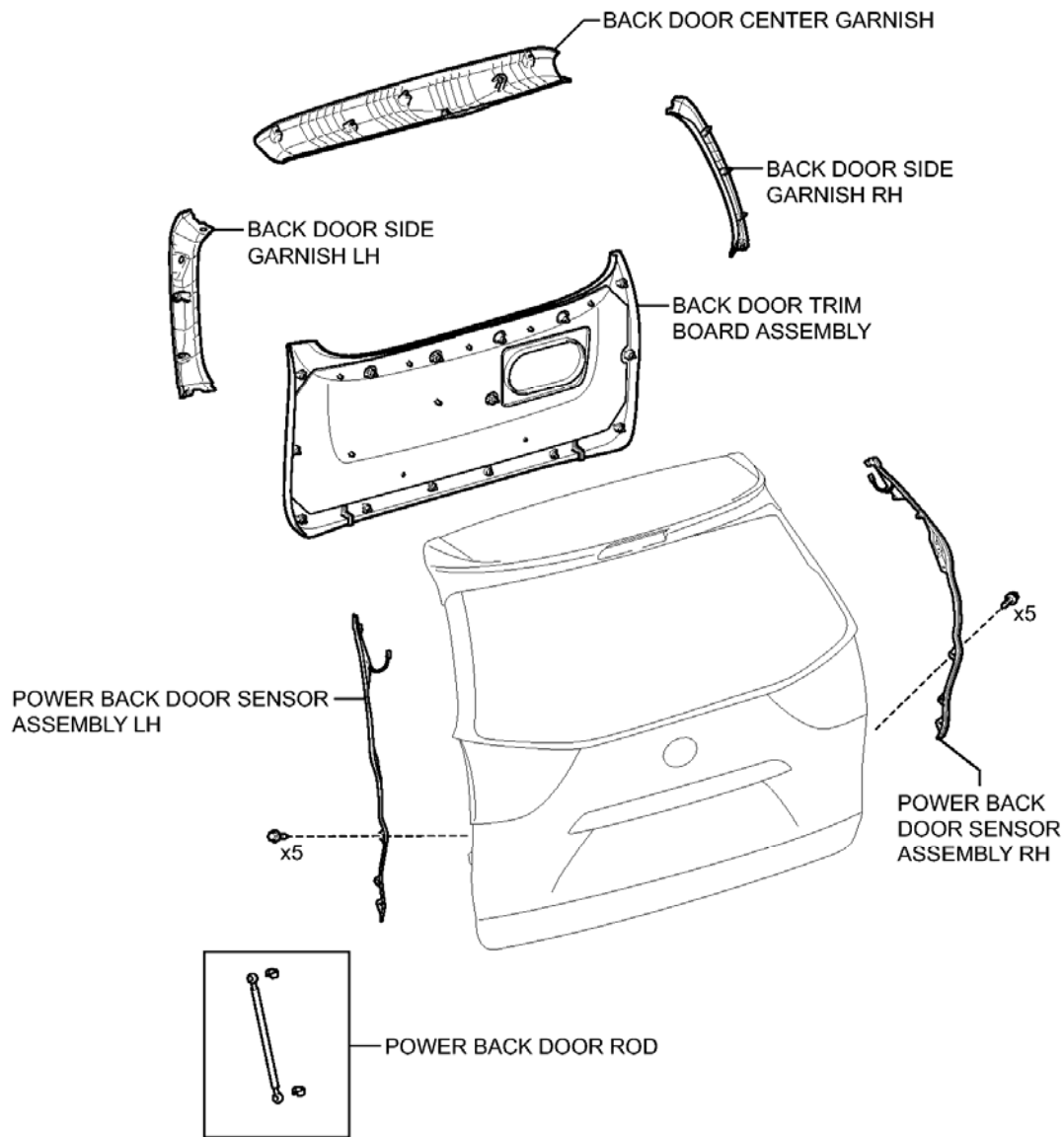


Fig. 268: Power Back Door Touch Sensor Replacement Components
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. REMOVE BACK DOOR CENTER GARNISH See step 1

2. **REMOVE POWER BACK DOOR ROD** See step 4
3. **REMOVE BACK DOOR TRIM BOARD ASSEMBLY** See step 2
4. **REMOVE BACK DOOR SIDE GARNISH RH** See step 3
5. **REMOVE BACK DOOR SIDE GARNISH LH** See step 6
6. **REMOVE POWER BACK DOOR SENSOR ASSEMBLY LH**
 - a. Disconnect the connector.

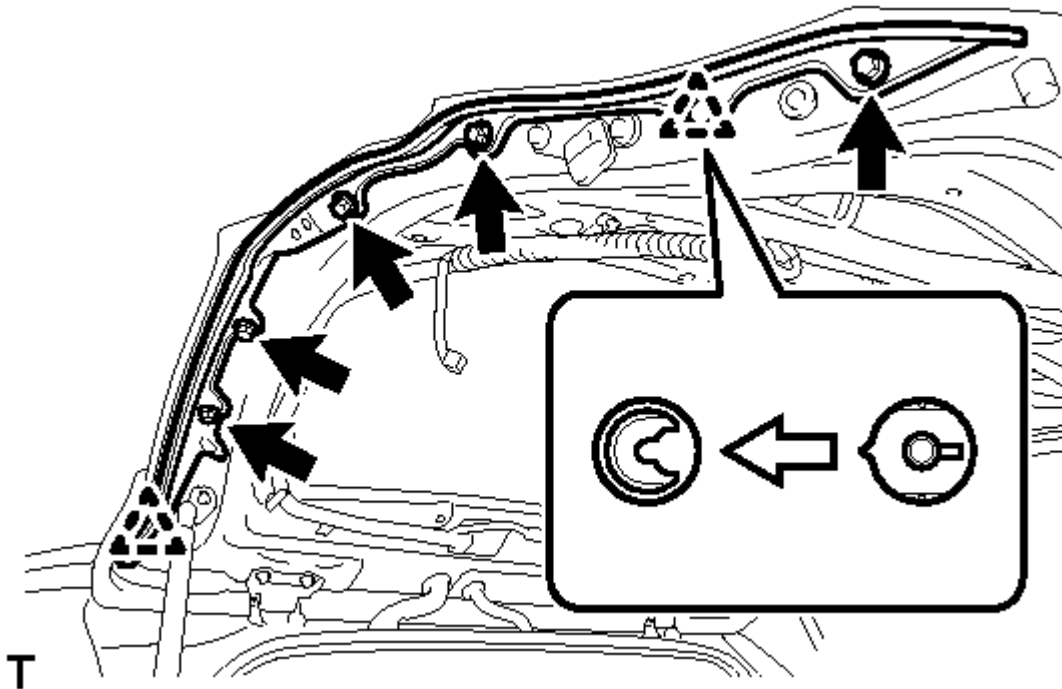


Fig. 269: Identifying Power Back Door Sensor Assembly LH, Connector & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the 5 screws.
 - c. Disengage the 2 clips and remove the power back door sensor.
7. **REMOVE POWER BACK DOOR SENSOR ASSEMBLY RH**

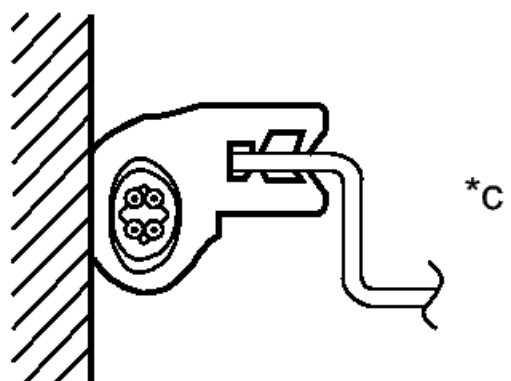
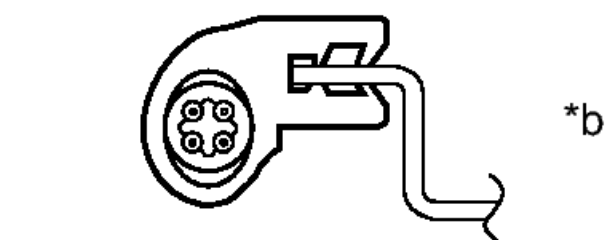
HINT:

Use the same procedure as for the LH side.

INSPECTION

INSPECTION

1. **INSPECT POWER BACK DOOR SENSOR ASSEMBLY LH**



*a

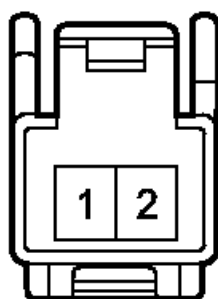
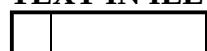


Fig. 270: Power Back Door Sensor Assembly Connector End View
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION



*a	Component without harness connected (Power Back Door Sensor LH)
*b	Not Pressed
*c	Pressed

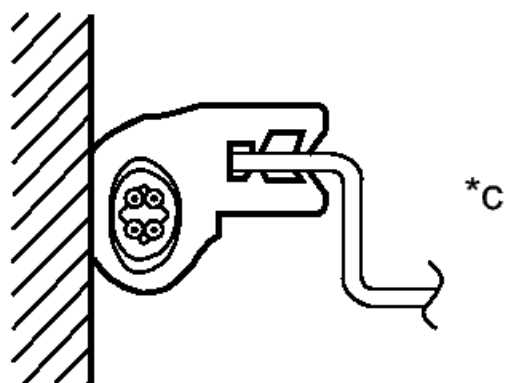
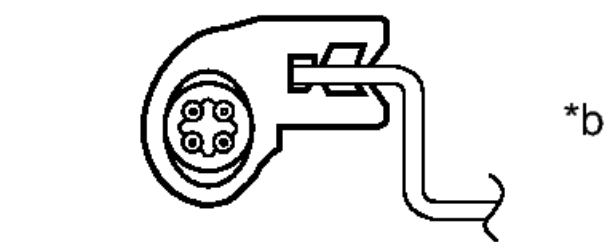
- a. Check the resistance of the power back door sensor LH.
 1. Measure the resistance according to the value(s) in the table below.

Standard Resistance

Tester Connection	Condition	Specified Condition
1 - 2	Not pressed	950 ohms to 1050 ohms
1 - 2	Pressed	Below 100 ohms

If the result is not as specified, replace the power back door sensor LH.

2. INSPECT POWER BACK DOOR SENSOR ASSEMBLY RH



*a

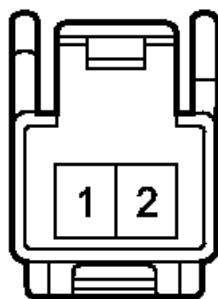
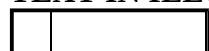


Fig. 271: Power Back Door Sensor Assembly Connector End View
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION



*a	Component without harness connected (Power Back Door Sensor RH)
*b	Not Pressed
*c	Pressed

- a. Check the resistance of the power back door sensor RH.
 1. Measure the resistance according to the value(s) in the table below.

Standard Resistance

Tester Connection	Condition	Specified Condition
1 - 2	Not pressed	950 ohms to 1050 ohms
1 - 2	Pressed	Below 100 ohms

If the result is not as specified, replace the power back door sensor RH.

INSTALLATION

INSTALLATION

1. **INSTALL POWER BACK DOOR SENSOR ASSEMBLY LH**
 - a. Install the power back door sensor with the 2 clips and 5 screws.

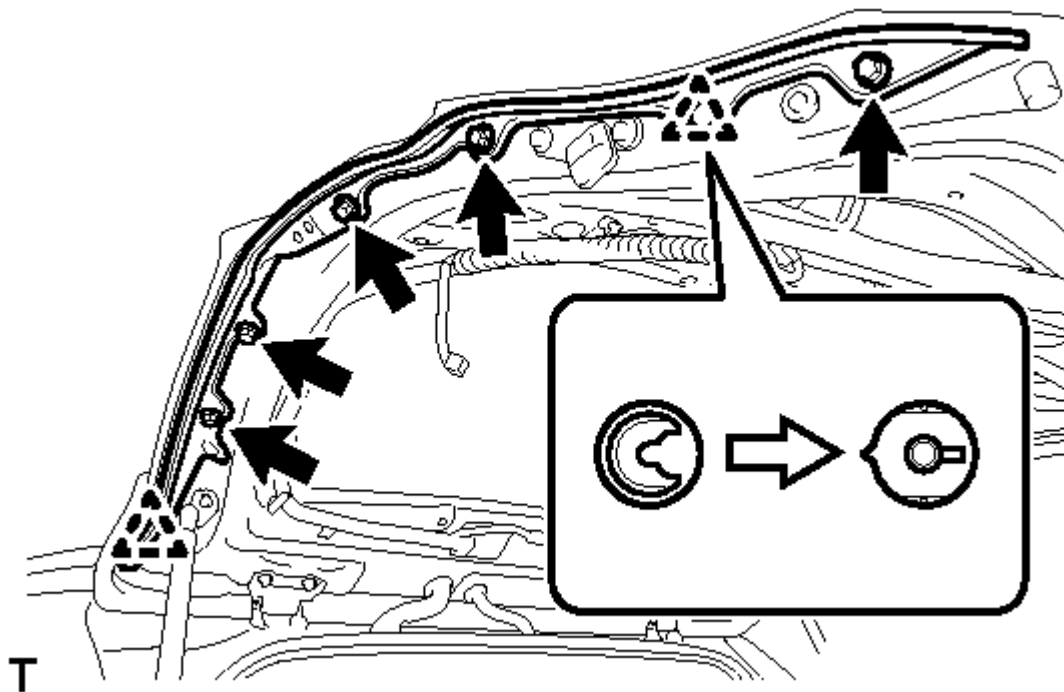


Fig. 272: Identifying Power Back Door Sensor Assembly LH, Connector & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

b. Connect the connector.

2. INSTALL POWER BACK DOOR SENSOR ASSEMBLY RH

HINT:

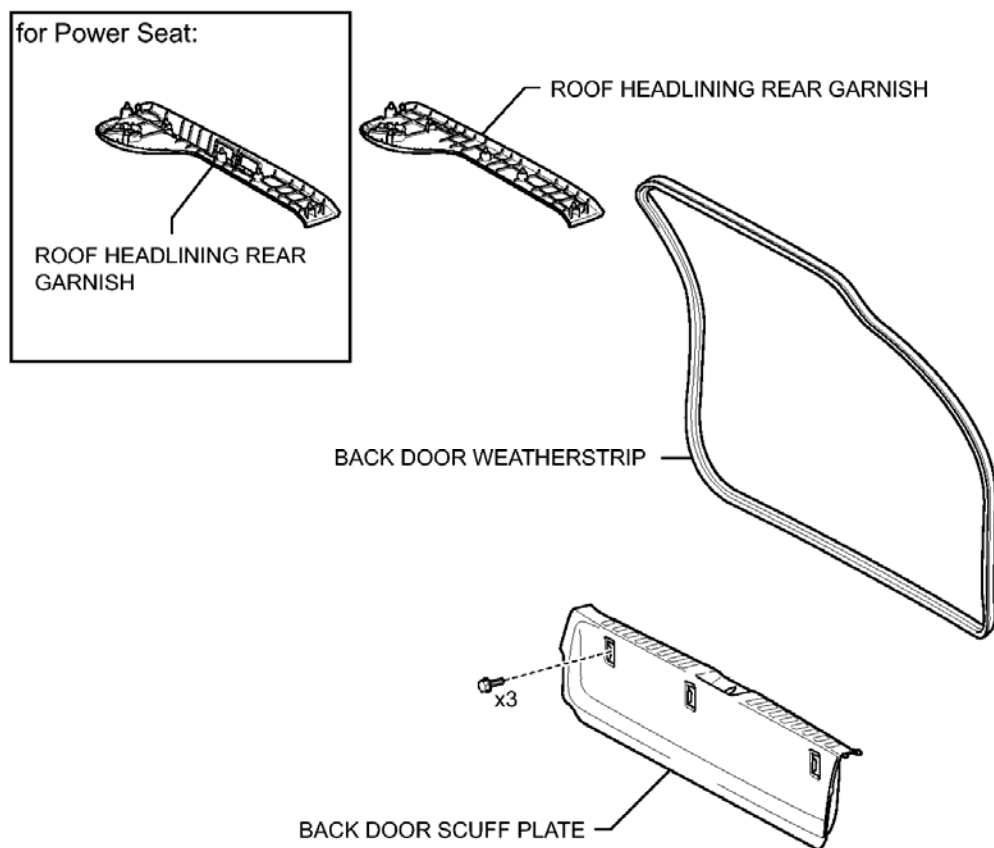
Use the same procedure as for the LH side

3. **INSTALL BACK DOOR SIDE GARNISH LH** See step 24
4. **INSTALL BACK DOOR SIDE GARNISH RH** See step 26
5. **INSTALL BACK DOOR TRIM BOARD ASSEMBLY** See step 27
6. **INSTALL POWER BACK DOOR ROD** See step 25
7. **INSTALL BACK DOOR CENTER GARNISH** See step 28

POWER BACK DOOR DRIVE UNIT

COMPONENTS

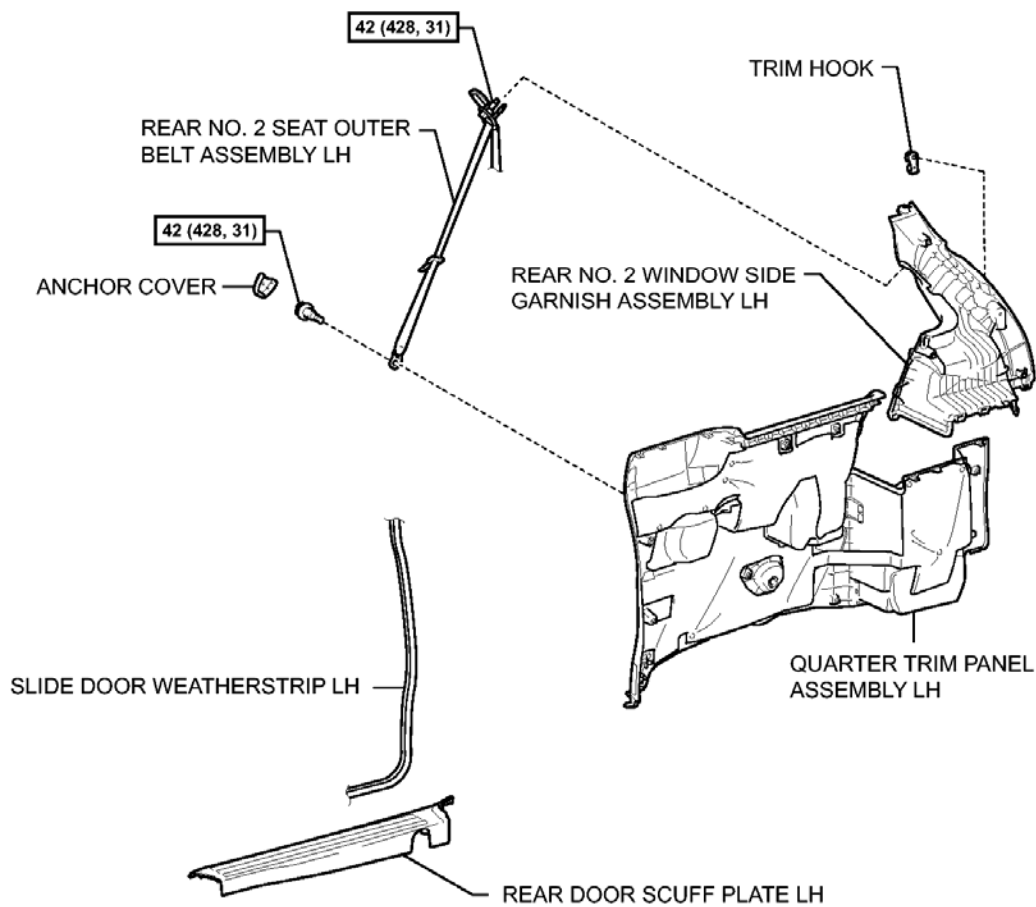
ILLUSTRATION



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Fig. 273: Power Back Door Drive Unit Replacement Components (1 Of 3)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

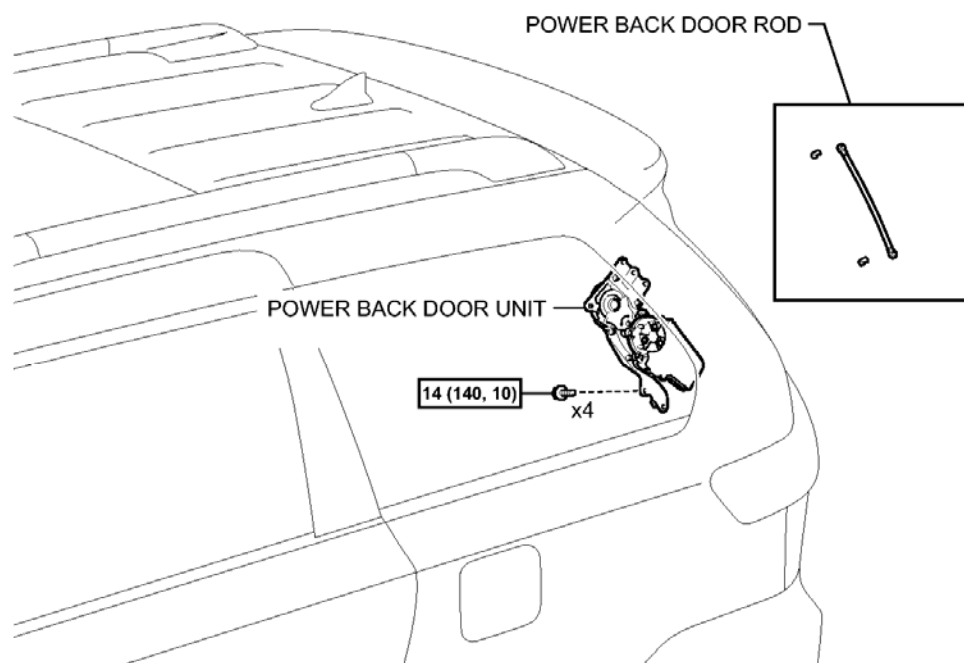
ILLUSTRATION



$\boxed{N \cdot m \text{ (kgf} \cdot \text{cm, ft} \cdot \text{lbf)}}$: Specified torque

Fig. 274: Power Back Door Drive Unit Replacement Components With Torque Specifications (2 Of 3)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION



14 (140, 10) : Specified torque

P

Fig. 275: Power Back Door Drive Unit Replacement Components With Torque Specifications (3 Of 3)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. **REMOVE ROOF HEADLINING REAR GARNISH** . Refer to **REMOVAL - Step 19**
2. **SEPARATE BACK DOOR WEATHERSTRIP**
3. **REMOVE BACK DOOR SCUFF PLATE** . Refer to **REMOVAL - Step 17**
4. **REMOVE REAR NO. 2 SEAT OUTER BELT ASSEMBLY LH**

HINT:

Use the same procedure as for the RH side. Refer to **REMOVAL - Step 24** .

5. **REMOVE REAR DOOR SCUFF PLATE LH**

HINT:

Use the same procedure as for the RH side. Refer to REMOVAL - Step 13 .

6. **SEPARATE SLIDE DOOR WEATHERSTRIP LH**
7. **REMOVE QUARTER TRIM PANEL ASSEMBLY LH** . Refer to REMOVAL - Step 27
8. **REMOVE REAR NO. 2 WINDOW SIDE GARNISH ASSEMBLY LH** . Refer to REMOVAL - Step 29
9. **REMOVE POWER BACK DOOR ROD** See step 4
10. **REMOVE POWER BACK DOOR UNIT**
 - a. Disconnect the connector.

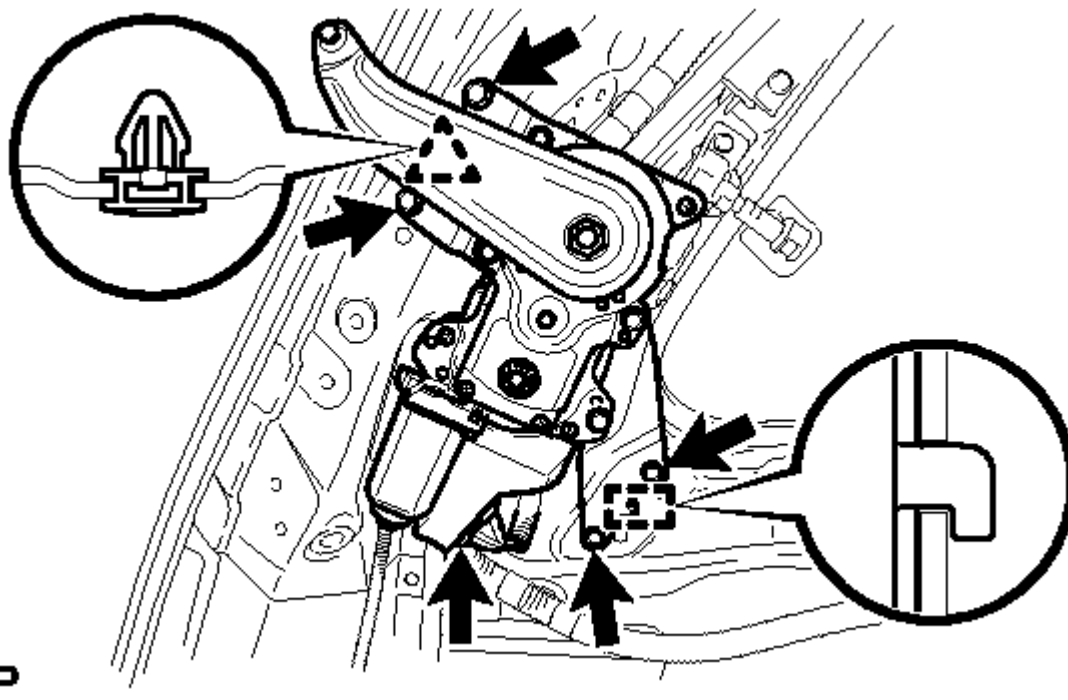


Fig. 276: Identifying Power Back Door Unit, Connector & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the clip and 4 bolts.
- c. Disengage the guide and remove the power back door unit.

INSTALLATION

INSTALLATION

1. **INSTALL POWER BACK DOOR UNIT**
 - a. Engage the guide.
 - b. Install the clip and the 4 bolts and install the power back door unit.

Torque: 14 N*m (140 kgf*cm, 10 ft.*lbf)

c. Connect the connector.

2. **INSTALL POWER BACK DOOR ROD** See step 25
3. **INSTALL REAR NO. 2 WINDOW SIDE GARNISH ASSEMBLY LH** . Refer to **INSTALLATION - Step 13**
4. **INSTALL QUARTER TRIM PANEL ASSEMBLY LH** . Refer to **INSTALLATION - Step 15**
5. **INSTALL SLIDE DOOR WEATHERSTRIP LH**
6. **INSTALL REAR DOOR SCUFF PLATE LH**

HINT:

Use the same procedure as for the RH side. Refer to **INSTALLATION - Step 27** .

7. **INSTALL REAR NO. 2 SEAT OUTER BELT ASSEMBLY LH**

HINT:

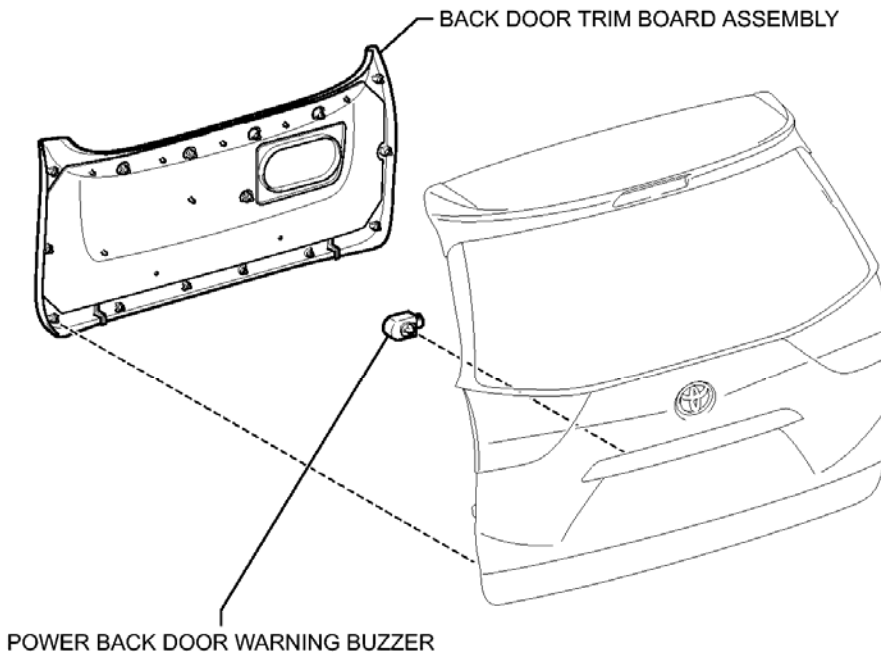
Use the same procedure as for the RH side. Refer to **INSTALLATION - Step 16** .

8. **INSTALL BACK DOOR SCUFF PLATE** . Refer to **INSTALLATION - Step 24**
9. **INSTALL BACK DOOR WEATHERSTRIP**
10. **INSTALL ROOF HEADLINING REAR GARNISH** . Refer to **INSTALLATION - Step 22**

POWER BACK DOOR WARNING BUZZER

COMPONENTS

ILLUSTRATION



T

Fig. 277: Power Back Door Warning Buzzer Replacement Components
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. **REMOVE BACK DOOR TRIM BOARD ASSEMBLY** See step 2
2. **REMOVE POWER BACK DOOR WARNING BUZZER**
 - a. Disconnect the connector.

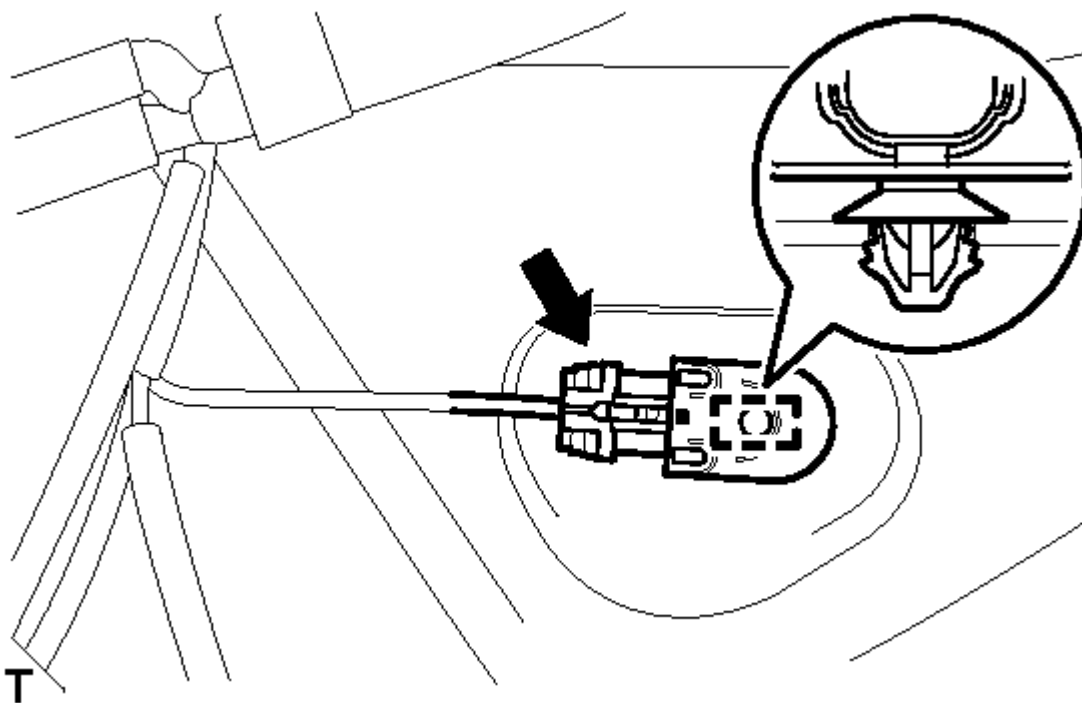


Fig. 278: Identifying Power Back Door Warning Buzzer, Connector & Clamp
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disengage the clamp and remove the power back door warning buzzer.

INSTALLATION

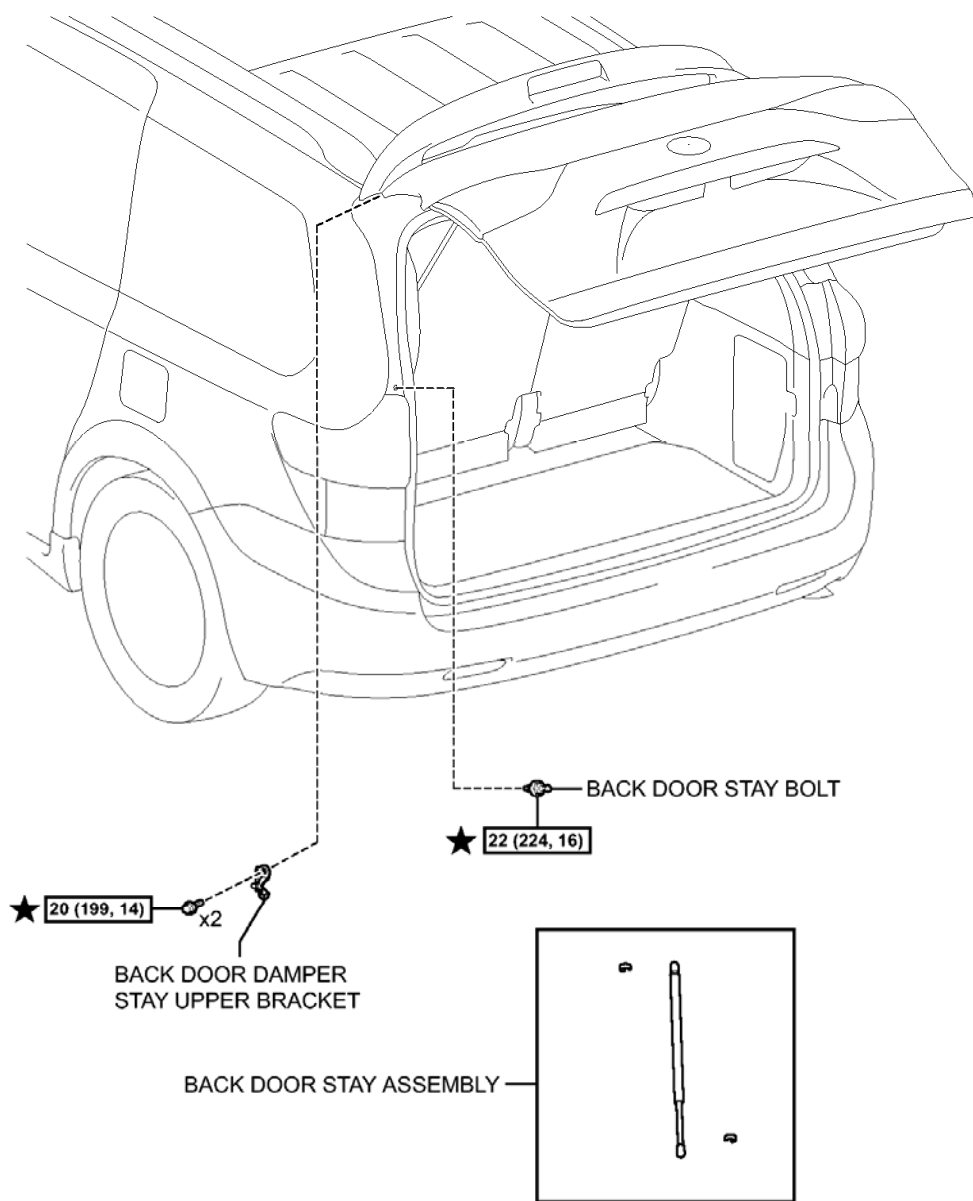
INSTALLATION

1. **INSTALL POWER BACK DOOR WARNING BUZZER**
 - a. Engage the clamp and install the power back door warning buzzer.
 - b. Connect the connector.
2. **INSTALL BACK DOOR TRIM BOARD ASSEMBLY** See step 27

BACK DOOR SUPPORT

COMPONENTS

ILLUSTRATION



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

★ Precoated part

T

Fig. 279: Back Door Support Replacement Components With Torque Specifications
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

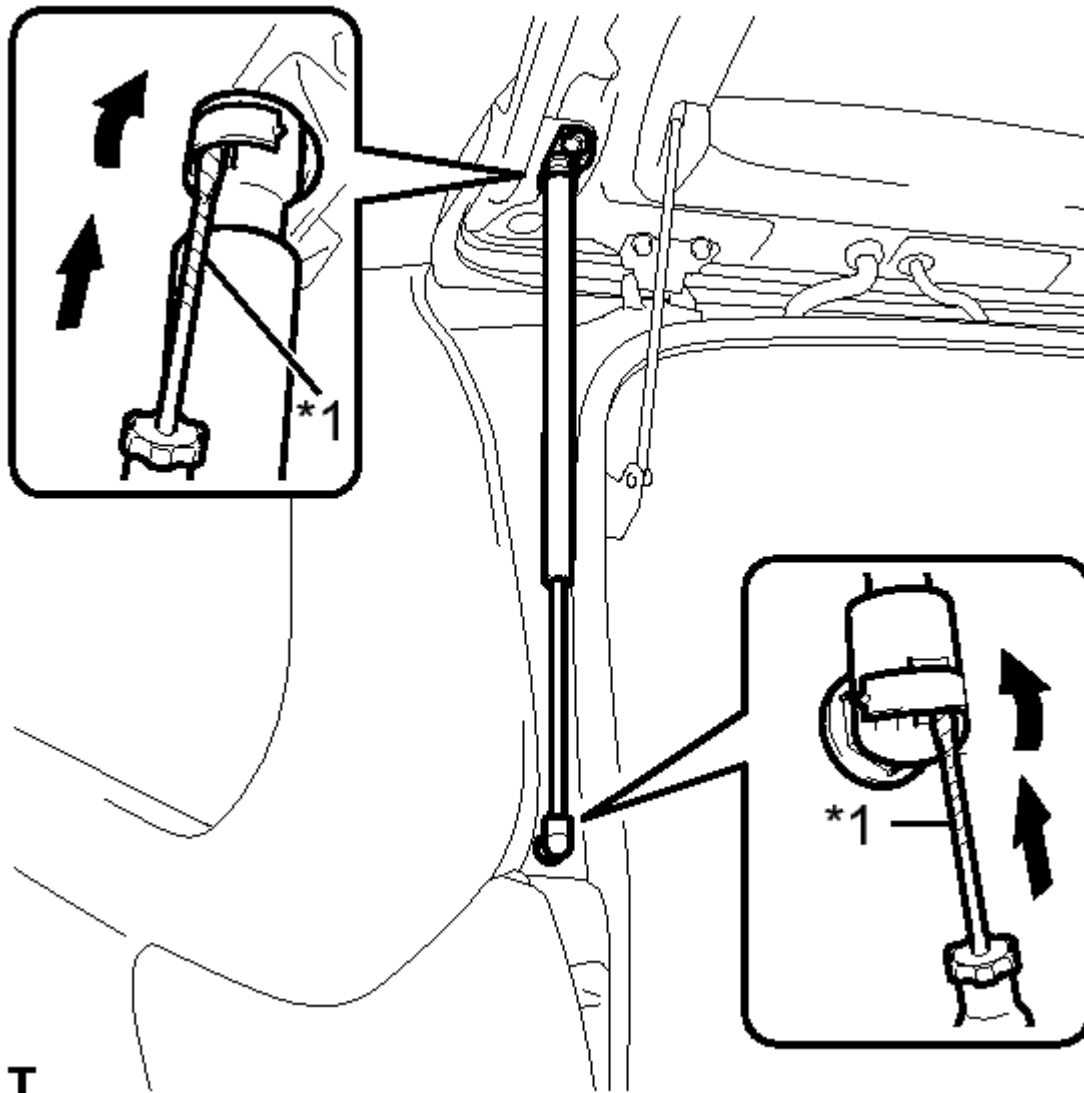
REMOVAL

REMOVAL

HINT:

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

1. REMOVE BACK DOOR STAY ASSEMBLY



T

Fig. 280: Removing Back Door Stay Assembly Stop Rings Using A Screwdriver
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

*1	Protective Tape
----	--------------------

- Using a screwdriver with its tip wrapped in protective tape, slightly raise the 2 stop rings, as shown in the illustration.

NOTE:

- Do not touch the rod of the stay with gloves, to avoid fibers from adhering.
- When foreign matter adheres to the rod, it prevents the rod from moving smoothly and reduces its holding power.

- b. Disengage the 2 ball joints and remove the back door stay.

NOTE:

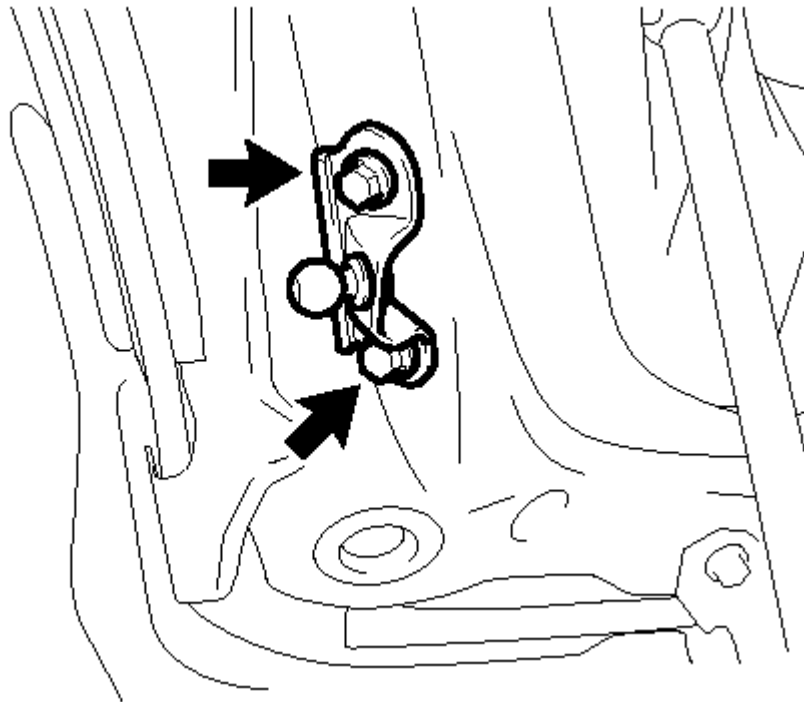
- Do not remove the stop rings from the stay. Raise the stop rings just enough to allow the stay to be disengaged
- Do not reuse a stop ring if it is removed from the stay.

HINT:

Support the back door by hand while removing the door stay.

2. REMOVE BACK DOOR DAMPER STAY UPPER BRACKET

- a. Remove the 2 bolts and remove the back door damper stay upper bracket.

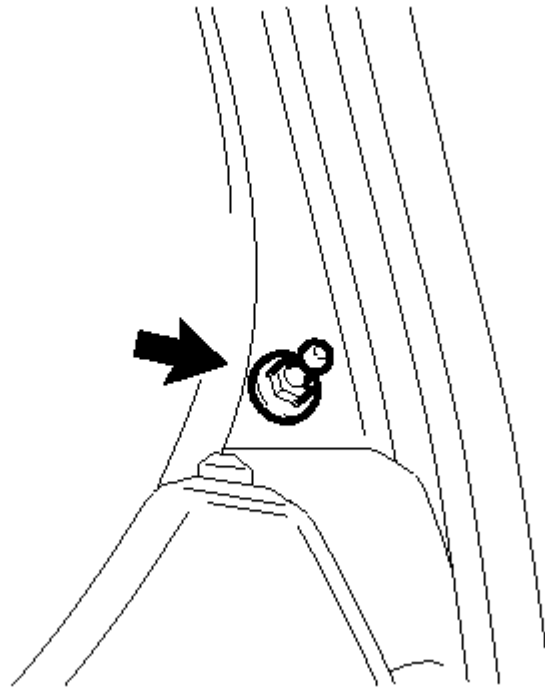


T

Fig. 281: Identifying Back Door Damper Stay Upper Bracket & Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. REMOVE BACK DOOR STAY BOLT

- a. Remove the back door stay bolt.



T

Fig. 282: Identifying Back Door Stay Bolt
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION

INSTALLATION

1. INSTALL BACK DOOR STAY BOLT

- a. Clean the threaded portion on the vehicle body with a non-residue solvent.
- b. Apply adhesive to the threads of a bolt.

Adhesive

Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

- c. Install the back door stay bolt.

Torque: 22 N*m (224 kgf*cm, 16 ft.*lbf)

2. INSTALL BACK DOOR DAMPER STAY UPPER BRACKET

- a. Clean the threaded portion on the vehicle body with a non-residue solvent.
- b. Apply adhesive to the threads of the 2 bolts.

Adhesive

Toyota Genuine Adhesive 1324, Three Bond 1324 or equivalent

- c. Install the back door damper stay upper bracket with the 2 bolts.

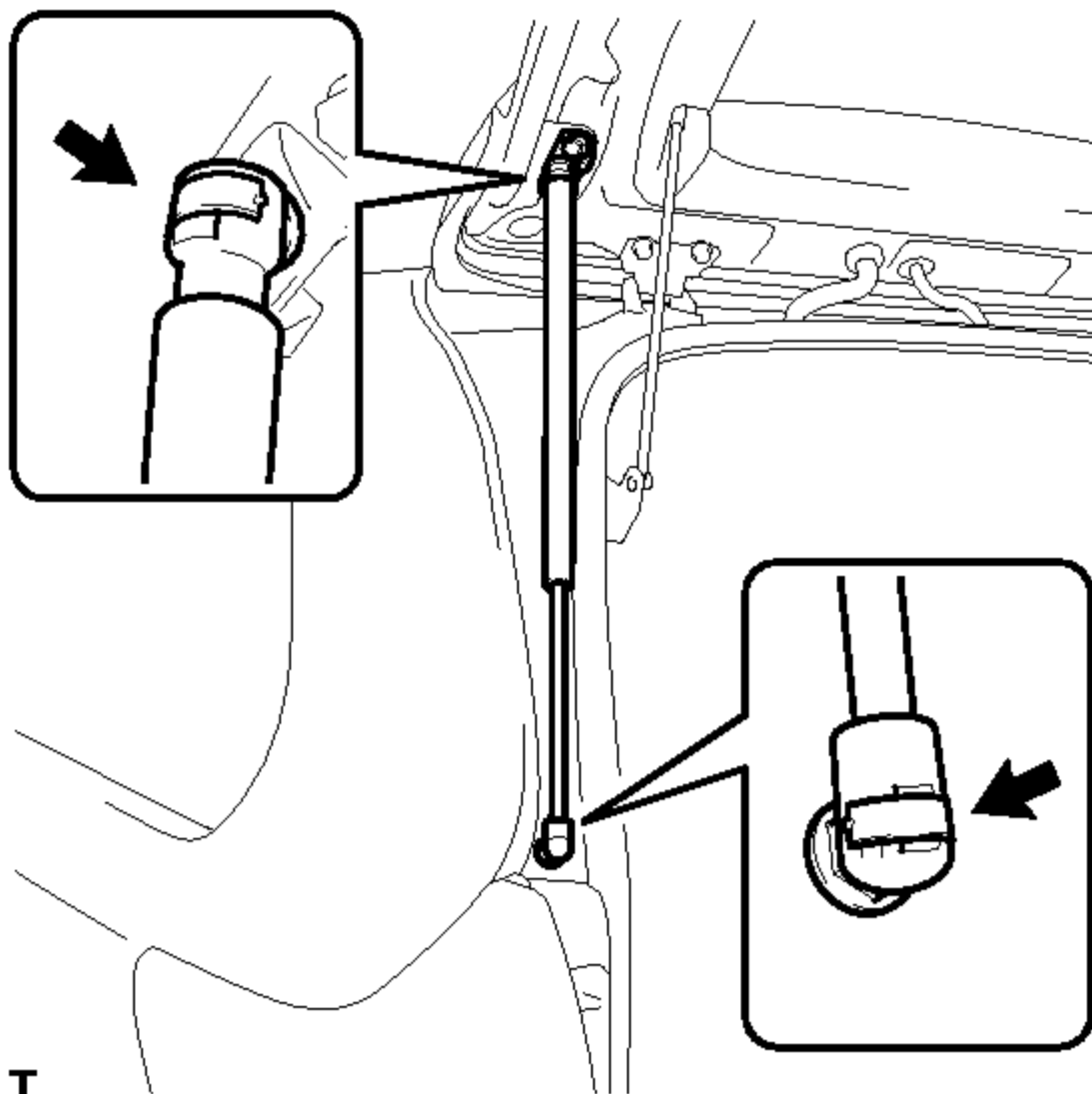
Torque: 20 N*m (199 kgf*cm, 14 ft.*lbf)

3. INSTALL BACK DOOR STAY ASSEMBLY

NOTE:

- **Avoid touching the stroke portions of the rod as much as possible to prevent foreign matter from attaching to the stroke portions. Be sure to hold the cylinders while servicing.**
- **Do not wear cotton gloves or other similar materials when handling the rod. Fibers may attach to the rod and result in gas leaks.**
- **Do not apply any load to the cylinders in the horizontal direction, in order to prevent the rod from being deformed.**

- a. Install the back door stay on the 2 ball joints.



T

Fig. 283: Installing Back Door Stay On Ball Joints
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: Install the back door stay while supporting the back door by hand.

- b. Engage the 2 new stop rings.

DISPOSAL

DISPOSAL

HINT:

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

1. DISPOSE OF BACK DOOR STAY ASSEMBLY

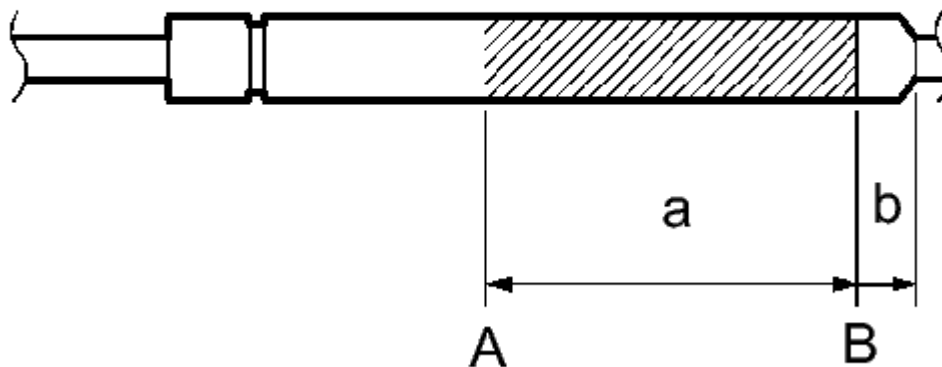


Fig. 284: Identifying Back Door Stay Measurements
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- Horizontally fix the stay in a vise with the piston-rod pulled out.
- Wearing protective glasses, gradually cut the shaded part between A and B, shown in the illustration, using a metal saw to gradually release the gas.

Specification

Area	Measurement
a	80 mm (3.15 in.)
b	20 mm (0.80 in.)

WARNING:

- Cover the area that is being cut with a piece of cloth because there is a possibility that metal shards may be dispersed by the gas.
- The gas is colorless, odorless and harmless.

FUEL LID LOCK CONTROL CABLE ASSEMBLY

COMPONENTS

ILLUSTRATION

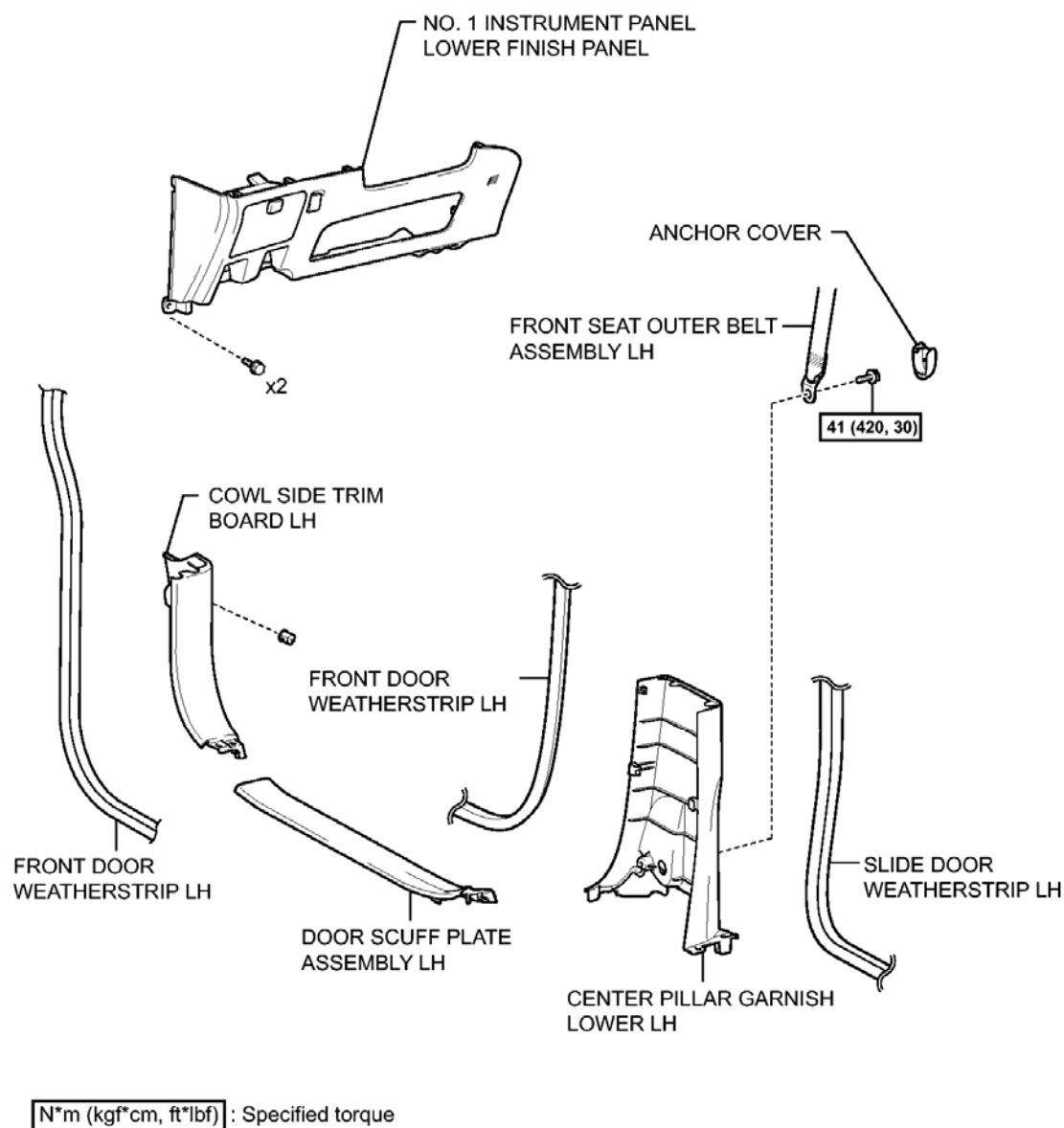
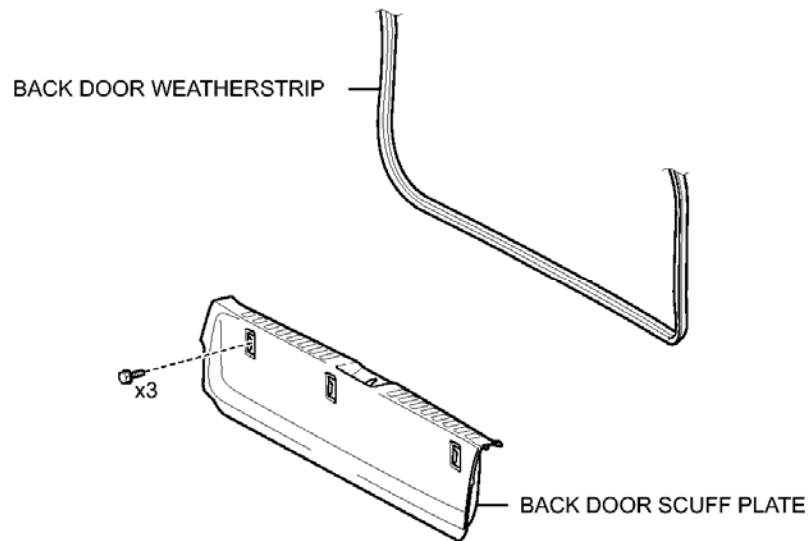


**Fig. 285: Fuel Lid Lock Control Cable Assembly Replacement Components With Torque Specifications
(1 Of 4)**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

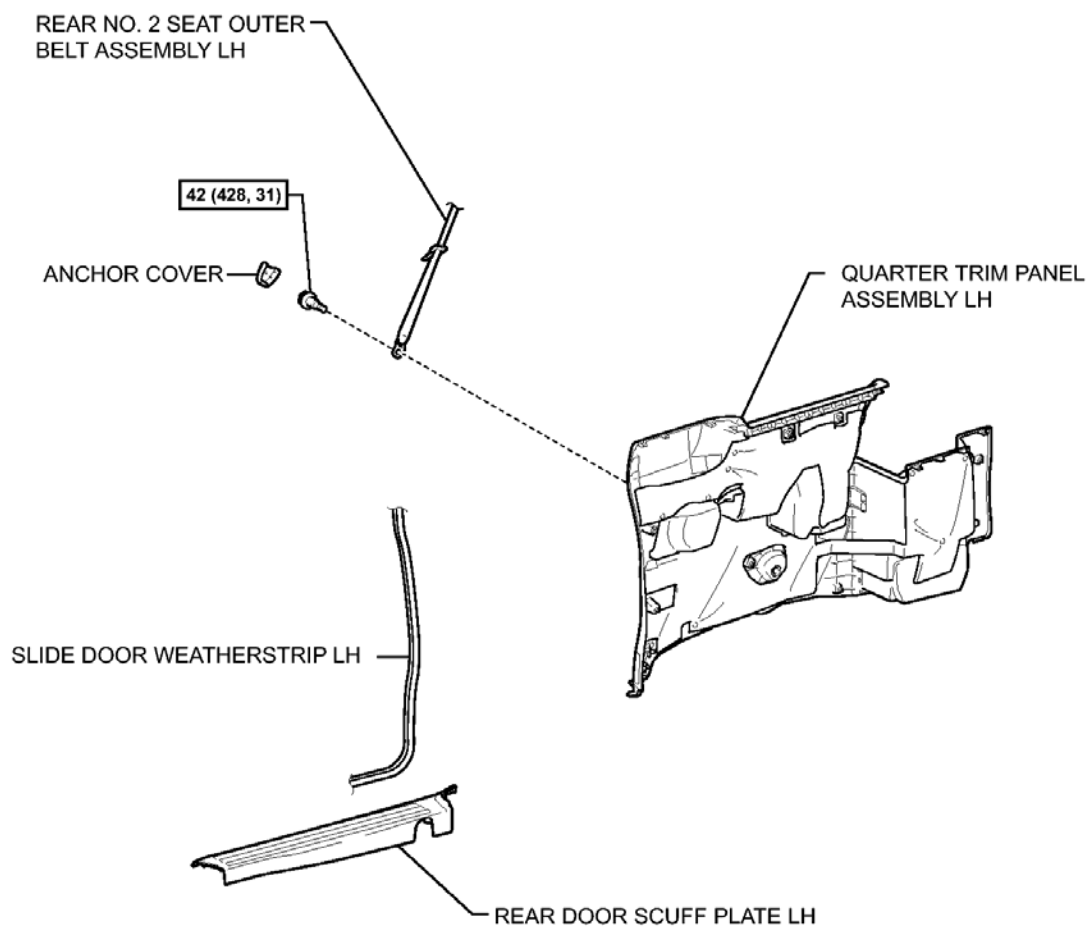
ILLUSTRATION



P

Fig. 286: Fuel Lid Lock Control Cable Assembly Replacement Components (2 Of 4)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION

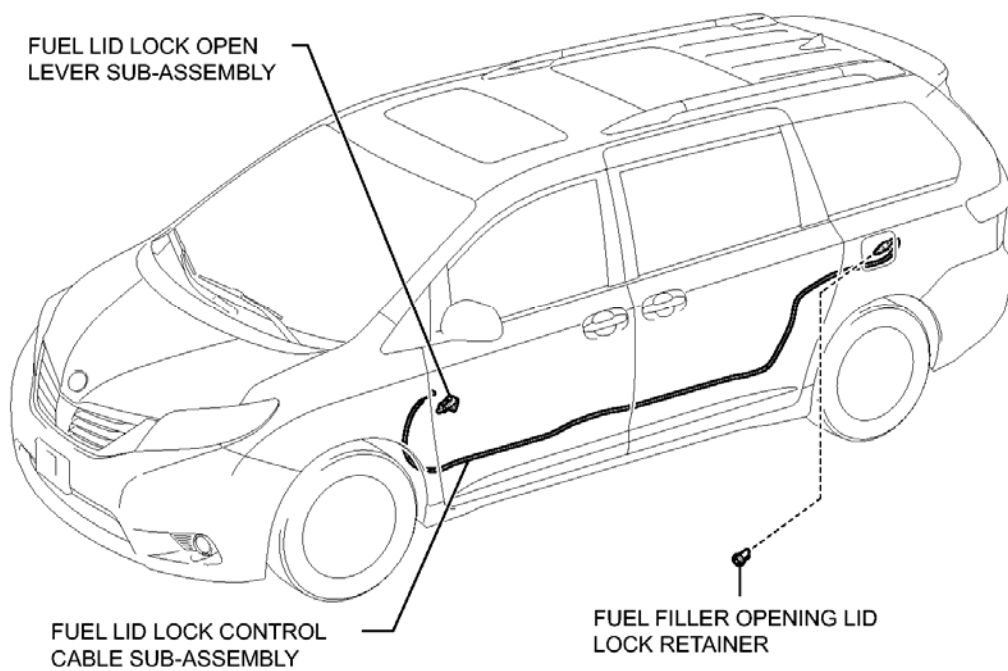


$\boxed{\text{N}\cdot\text{m (kgf}\cdot\text{cm, ft}\cdot\text{lbf)}}$: Specified torque

Fig. 287: Fuel Lid Lock Control Cable Assembly Replacement Components With Torque Specifications
(3 Of 4)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION



P

Fig. 288: Fuel Lid Lock Control Cable Assembly Replacement Components (4 Of 4)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

REMOVAL

1. REMOVE DOOR SCUFF PLATE ASSEMBLY LH

HINT:

Use the same procedure as for the RH side. Refer to **REMOVAL - Step 3** .

2. REMOVE COWL SIDE TRIM BOARD LH

HINT:

Use the same procedure as for the RH side. Refer to **REMOVAL - Step 5** .

3. **SEPARATE FRONT DOOR WEATHERSTRIP LH**
4. **REMOVE NO. 1 INSTRUMENT PANEL LOWER FINISH PANEL** . Refer to **REMOVAL - Step 19**
5. **SEPARATE BACK DOOR WEATHERSTRIP**
6. **REMOVE BACK DOOR SCUFF PLATE** . Refer to **REMOVAL - Step 17**
7. **REMOVE REAR DOOR SCUFF PLATE LH**

HINT:

Use the same procedure as for the RH side. Refer to **REMOVAL - Step 13** .

8. **SEPARATE SLIDE DOOR WEATHERSTRIP LH**
9. **REMOVE CENTER PILLAR GARNISH LOWER LH**

HINT:

Use the same procedure as for the RH side. Refer to **REMOVAL - Step 20** .

10. **SEPARATE REAR NO. 2 SEAT OUTER BELT ASSEMBLY LH** . Refer to **REMOVAL - Step 5**
11. **REMOVE QUARTER TRIM PANEL ASSEMBLY LH** . Refer to **REMOVAL - Step 27**
12. **REMOVE FUEL LID LOCK OPEN LEVER SUB-ASSEMBLY**
 - a. Disconnect the fuel lid lock control cable from fuel lid lock open lever.
13. **REMOVE FUEL LID LOCK CONTROL CABLE SUB-ASSEMBLY**
 - a. Disengage the 2 claws and remove the fuel lid lock control cable from the fuel filler opening lid lock retainer.

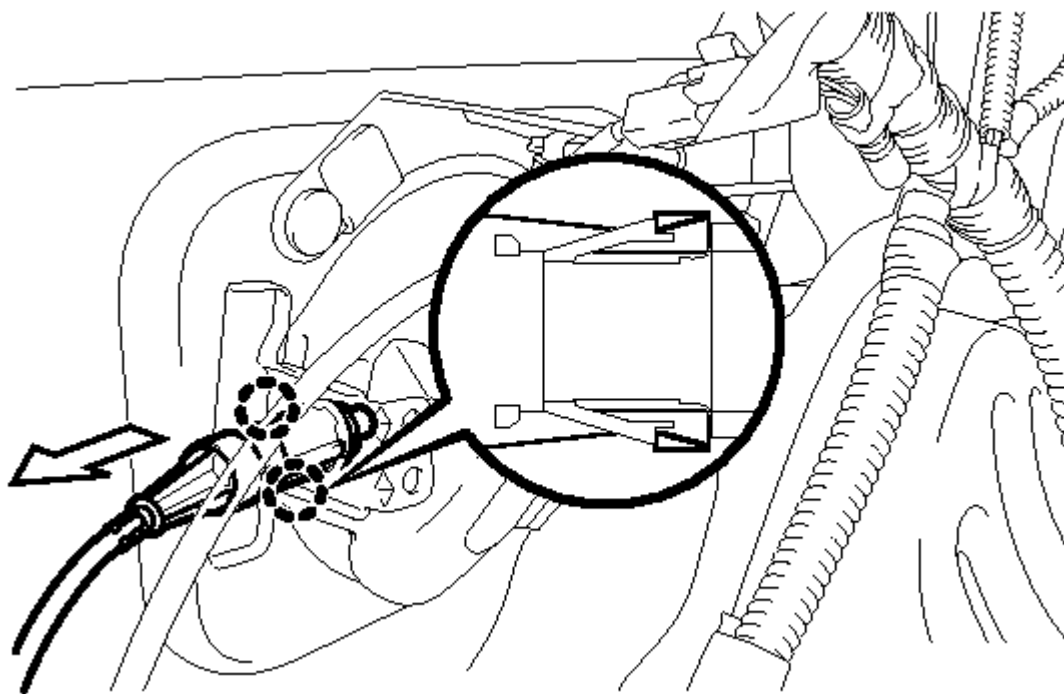
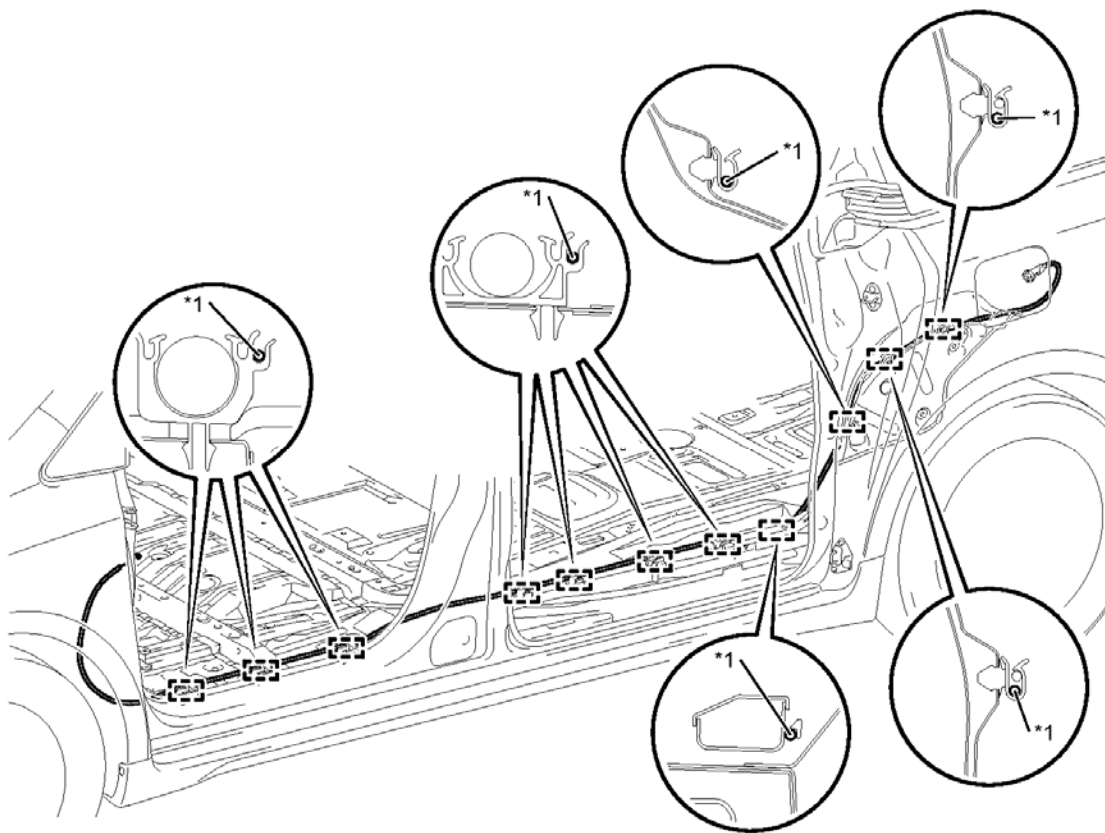


Fig. 289: Removing Fuel Lid Lock Control Cable Sub-Assembly & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disengage the clamps and remove the fuel lid lock control cable.



P

Fig. 290: Identifying Fuel Lid Lock Control Cable Sub-Assembly & Clamps
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

TEXT IN ILLUSTRATION

Fuel	
Lid	
*1 Lock	--
Control	
Cable	

14. REMOVE FUEL FILLER OPENING LID LOCK RETAINER

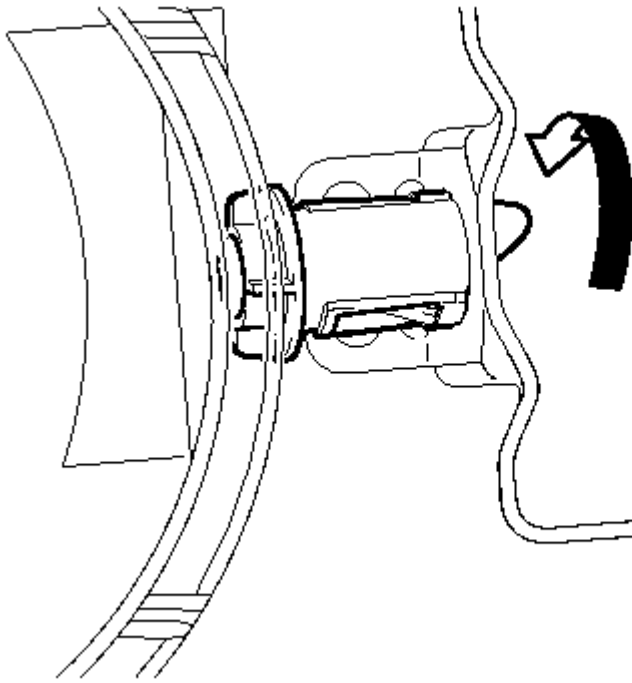


Fig. 291: Removing Fuel Filler Opening Lid Lock Retainer
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Remove the fuel filler opening lid lock retainer by rotating it as shown in the illustration.

INSTALLATION

INSTALLATION

1. INSTALL FUEL FILLER OPENING LID LOCK RETAINER

- a. Install the fuel filler opening lid lock retainer by rotating it as shown in the illustration.

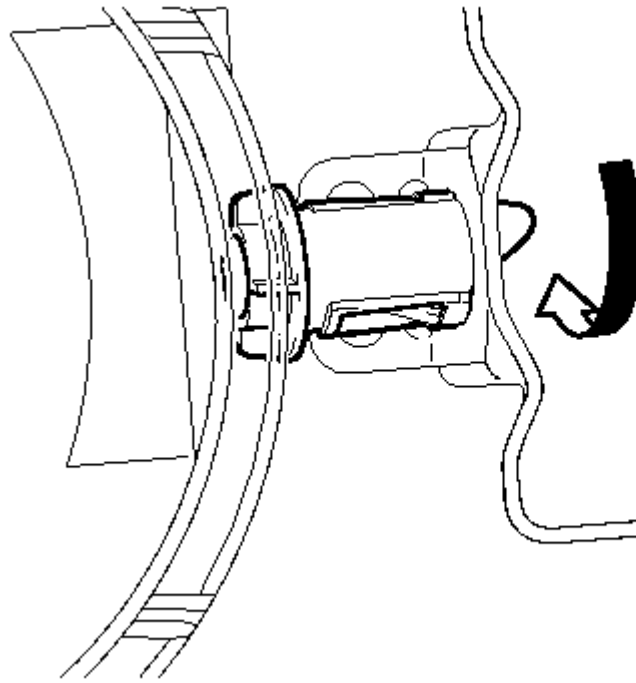


Fig. 292: Installing Fuel Filler Opening Lid Lock Retainer
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL FUEL LID LOCK CONTROL CABLE SUB-ASSEMBLY

- a. Engage the clamps and install the fuel lid lock control cable.
- b. Engage the 2 claws and install the fuel lid lock control cable to the fuel filler opening lid lock retainer.

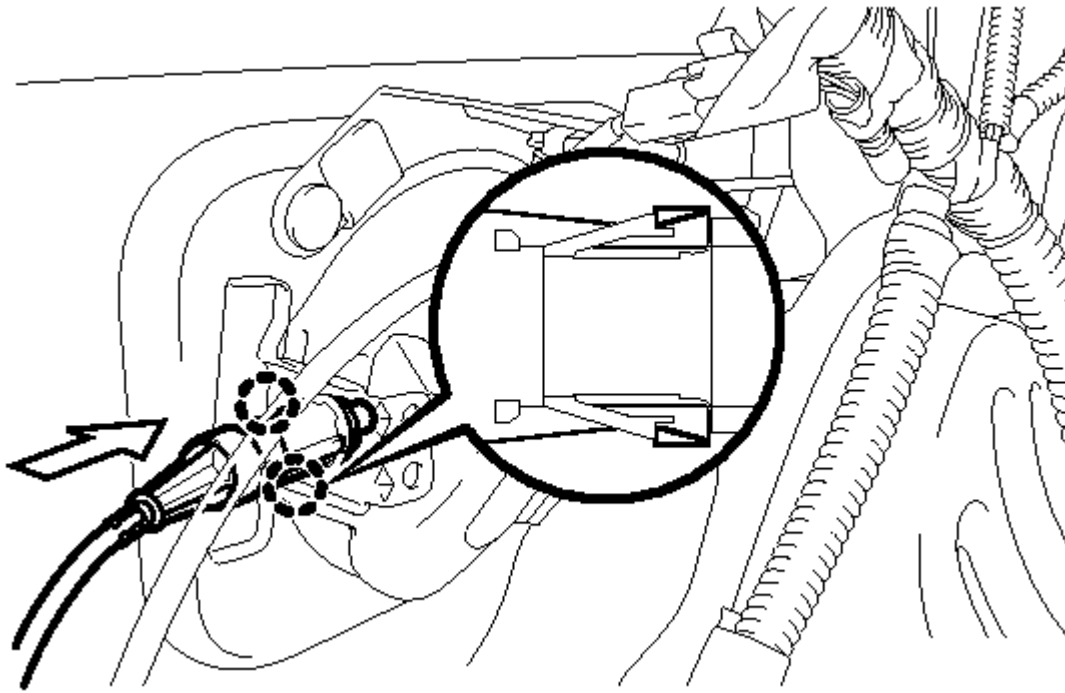


Fig. 293: Installing Fuel Lid Lock Control Cable Sub-Assembly & Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. INSTALL FUEL LID LOCK OPEN LEVER SUB-ASSEMBLY

- a. Connect the fuel lid lock control cable to fuel lid lock open lever.

4. INSTALL QUARTER TRIM PANEL ASSEMBLY LH . Refer to INSTALLATION - Step 15

5. INSTALL REAR NO. 2 SEAT OUTER BELT ASSEMBLY LH . Refer to INSTALLATION - Step 3

6. INSTALL CENTER PILLAR GARNISH LOWER LH

HINT:

Use the same procedure as for the RH side. Refer to INSTALLATION - Step 20 .

7. INSTALL SLIDE DOOR WEATHERSTRIP LH

8. INSTALL REAR DOOR SCUFF PLATE LH

HINT:

Use the same procedure as for the RH side. Refer to INSTALLATION - Step 27 .

9. INSTALL BACK DOOR SCUFF PLATE . Refer to INSTALLATION - Step 24

10. INSTALL BACK DOOR WEATHERSTRIP

11. INSTALL NO. 1 INSTRUMENT PANEL LOWER FINISH PANEL . Refer to INSTALLATION - Step 39

12. **INSTALL FRONT DOOR WEATHERSTRIP LH**

13. **INSTALL COWL SIDE TRIM BOARD LH**

HINT:

Use the same procedure as for the RH side. Refer to **INSTALLATION - Step 35** .

14. **INSTALL DOOR SCUFF PLATE ASSEMBLY LH**

HINT:

Use the same procedure as for the RH side. Refer to **INSTALLATION - Step 37** .