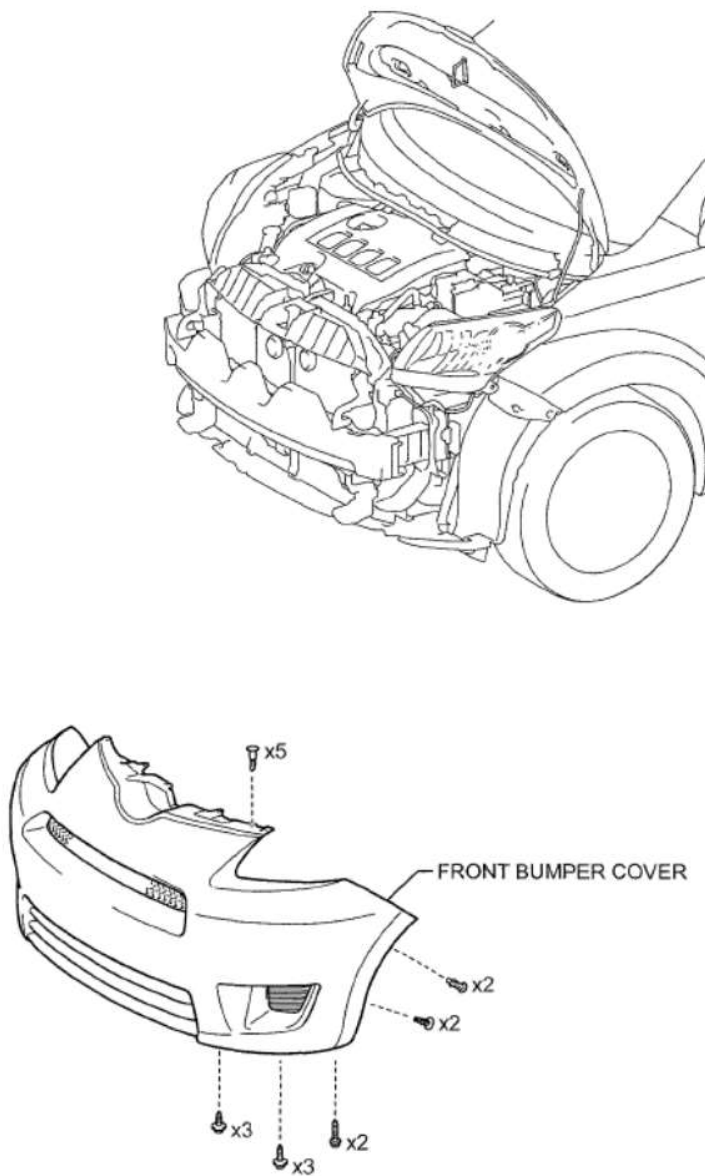


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2008 ACCESSORIES AND EQUIPMENT**Exterior - xD****FRONT BUMPER****COMPONENTS**

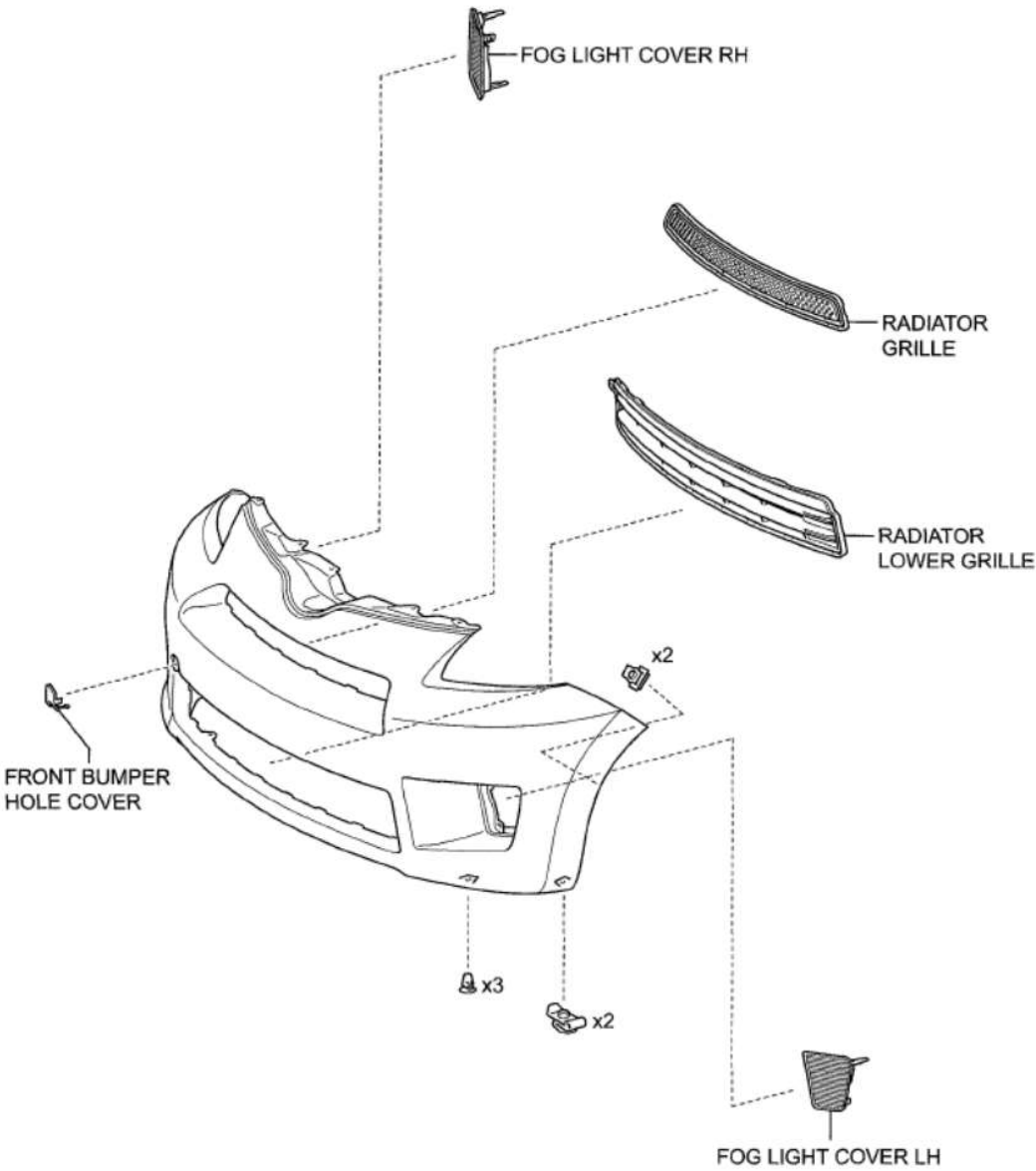
T

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Fig. 1: Identifying Front Bumper Components With Torque Specification (1 Of 4)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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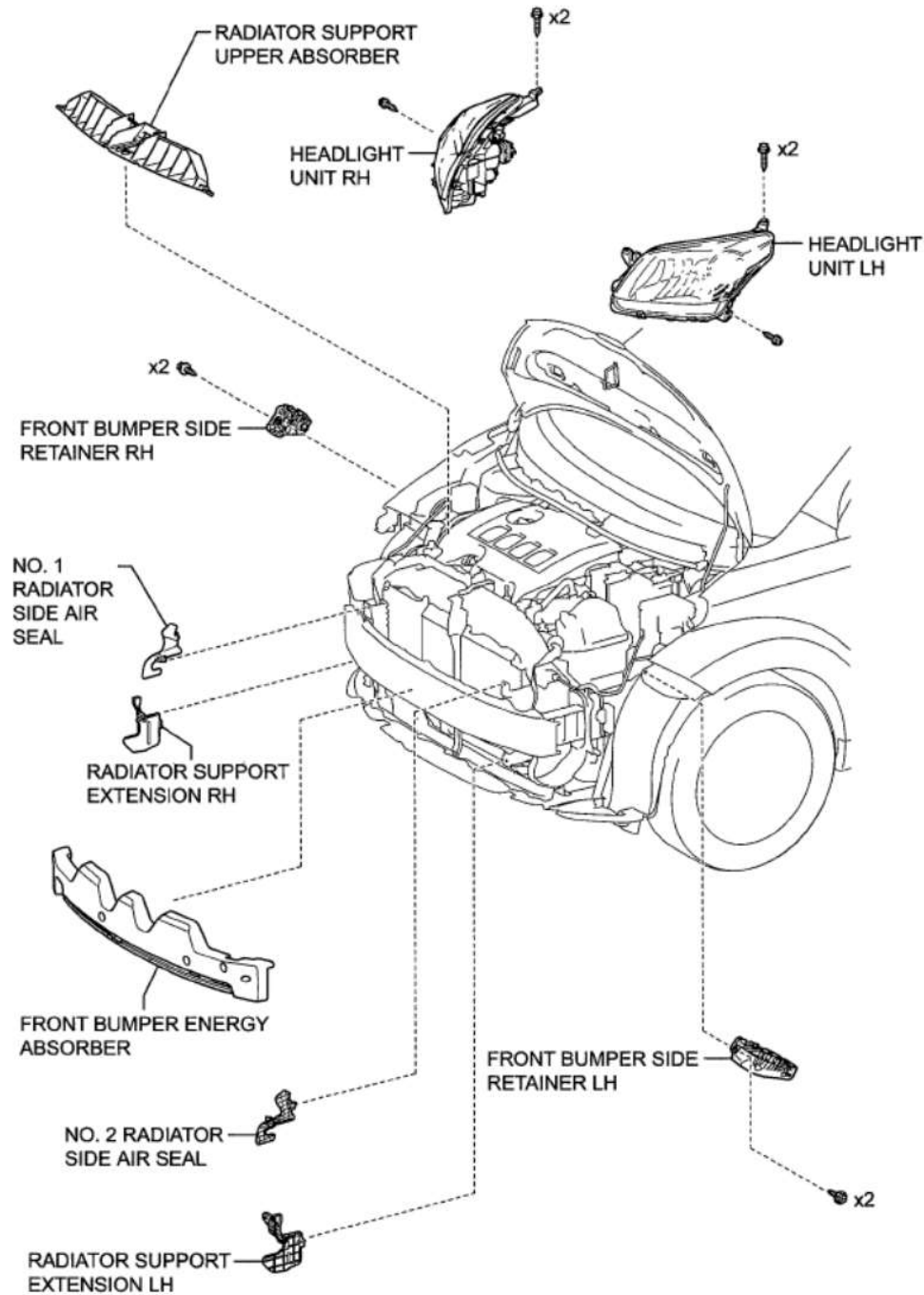
T

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Fig. 2: Identifying Front Bumper Components With Torque Specification (2 Of 4)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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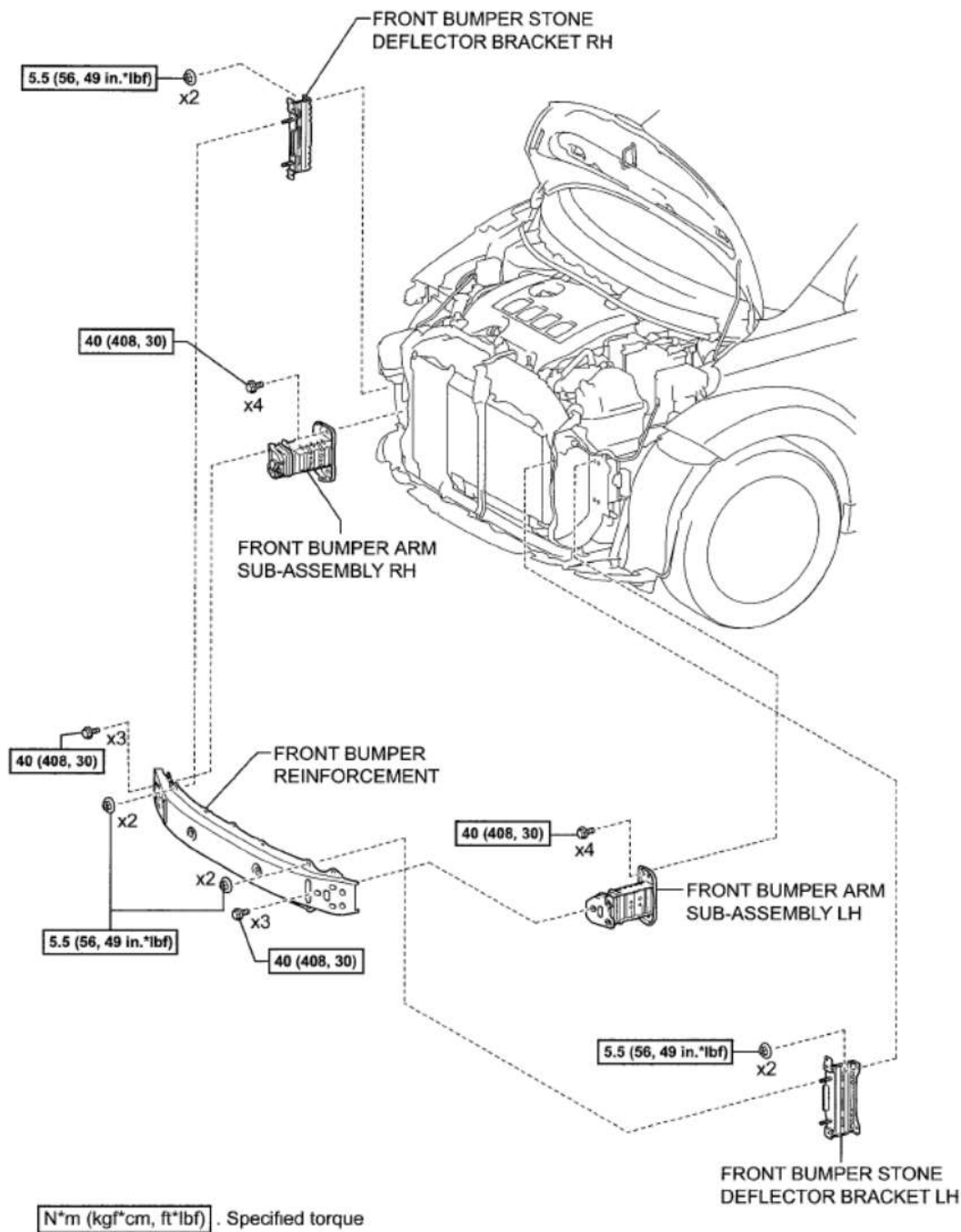
T

B174724E01

Fig. 3: Identifying Front Bumper Components (3 Of 4)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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B174725E01

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

REMOVAL

1. REMOVE FRONT BUMPER COVER

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- a. Apply protective tape, as shown in the illustration.



Fig. 5: Identifying Protective Tape Applying Location
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the 8 screws.
c. Remove the 9 clips.

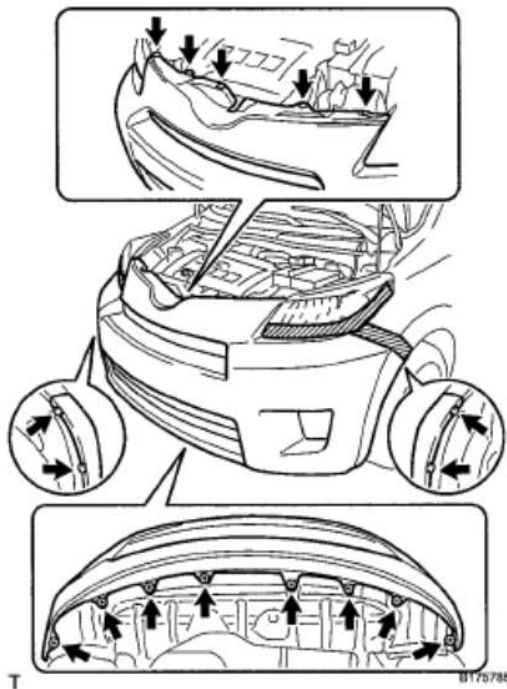


Fig. 6: Identifying Screws And Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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- d. Disengage the 6 claws and remove the front bumper cover.



Fig. 7: Identifying Front Bumper Cover Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

DISASSEMBLY**1. REMOVE RADIATOR GRILLE**

- a. Using a screwdriver with its tip wrapped in protective tape, disengage the 12 claws and remove the radiator grille.

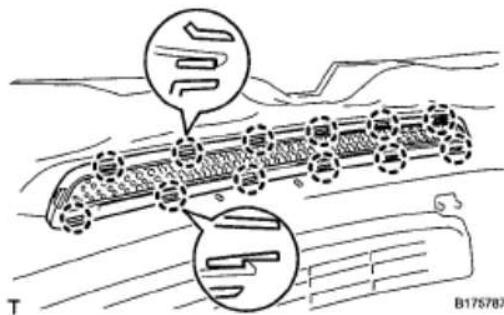


Fig. 8: Identifying Radiator Grille Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. REMOVE RADIATOR LOWER GRILLE

- a. Using a screwdriver with its tip wrapped in protective tape, disengage the 18 claws and remove the

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radiator lower grille.

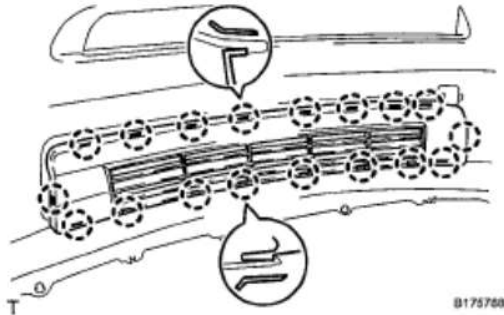


Fig. 9: Identifying Radiator Lower Grille Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. REMOVE FOG LIGHT COVER LH

- a. Disengage the 4 claws and remove the fog light cover.

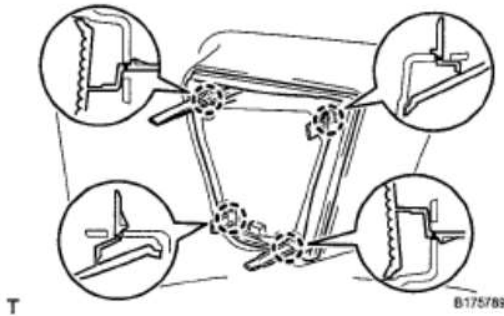


Fig. 10: Identifying Fog Light Cover Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

4. REMOVE FOG LIGHT COVER RH

HINT:

Use the same procedure as for the LH side.

5. REMOVE FRONT BUMPER HOLE COVER

- a. Disengage the 2 claws and remove the front bumper hole cover.

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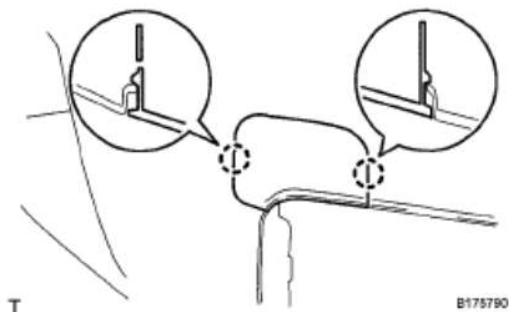


Fig. 11: Identifying Front Bumper Hole Cover Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. REMOVE CLIP

- a. Remove the clip.

HINT:

Use the same procedure for the remaining parts.

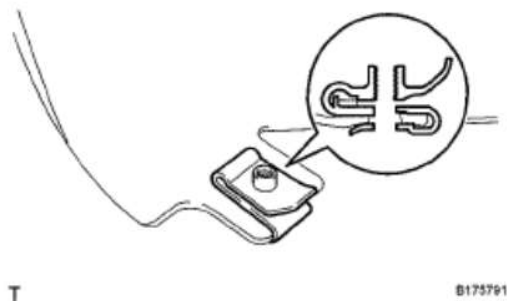


Fig. 12: Identifying Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

7. REMOVE FRONT FENDER LINER RETAINER

- a. Remove the front fender liner retainer.

HINT:

Use the same procedure for the remaining parts.

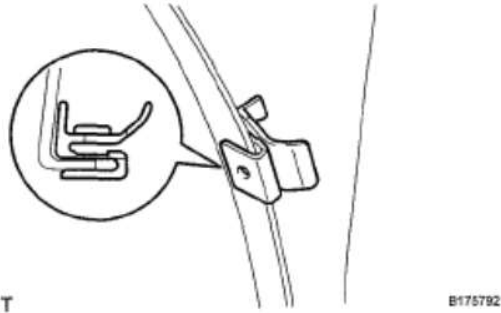
2008 Scion xD**2008 ACCESSORIES AND EQUIPMENT Exterior - xD**

Fig. 13: Identifying Front Fender Liner Retainer
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. REMOVE GROMMET

- a. Remove the grommet.

HINT:

Use the same procedure for the remaining parts.

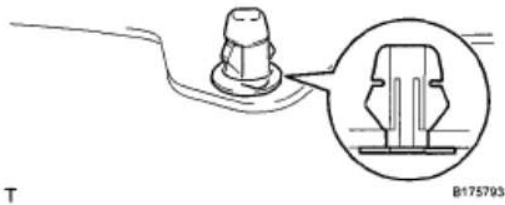


Fig. 14: Identifying Grommet
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

9. REMOVE HEADLIGHT UNIT LH (See REMOVAL)**10. REMOVE HEADLIGHT UNIT RH**

HINT:

Use the same procedure as for the LH side.

11. REMOVE RADIATOR SUPPORT UPPER ABSORBER

- a. Using a screwdriver with its tip wrapped in protective tape, disengage the 6 claws and remove the radiator support upper absorber.

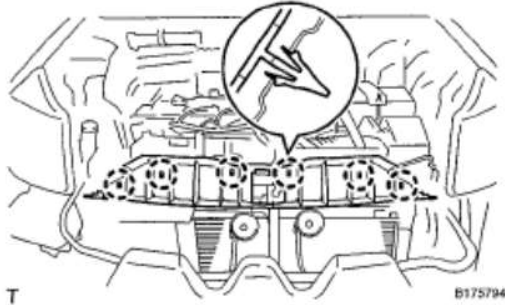
2008 Scion xD**2008 ACCESSORIES AND EQUIPMENT Exterior - xD**

Fig. 15: Identifying Radiator Support Upper Absorber Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

12. REMOVE FRONT BUMPER ENERGY ABSORBER

- a. Remove the front bumper energy absorber.

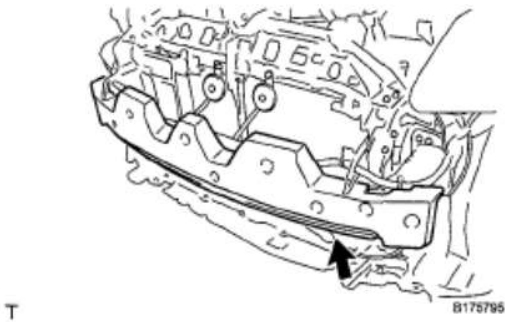


Fig. 16: Locating Front Bumper Energy Absorber
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

13. REMOVE FRONT BUMPER SIDE RETAINER LH

- a. Remove the 2 screws.

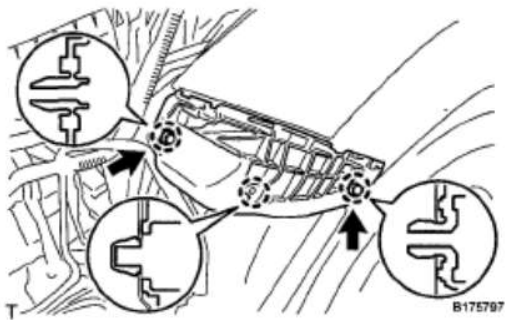


Fig. 17: Locating Front Bumper Side Retainer Claws And Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disengage the 3 claws and remove the front bumper side retainer.

2008 Scion xD**2008 ACCESSORIES AND EQUIPMENT Exterior - xD****14. REMOVE FRONT BUMPER SIDE RETAINER RH**

HINT:

Use the same procedure as for the LH side.

15. SEPARATE THERMISTOR ASSEMBLY

- a. Disengage the 2 clamps and separate the thermistor.

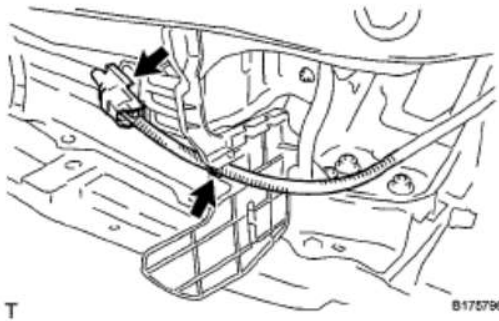


Fig. 18: Locating Thermistor Assembly Clamps
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

16. REMOVE NO. 2 RADIATOR SIDE AIR SEAL

- a. Disengage the 2 claws and remove the No. 2 radiator side air seal.

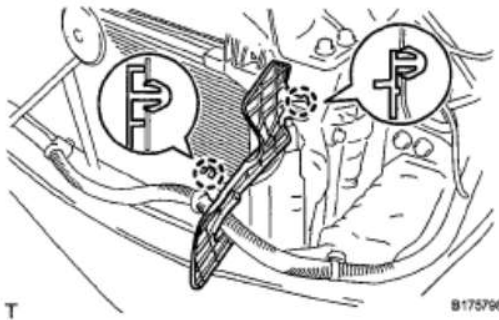


Fig. 19: Identifying No. 1 Radiator Side Air Seal Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

17. REMOVE NO. 1 RADIATOR SIDE AIR SEAL

HINT:

Use the same procedure as for the No. 2 side.

18. REMOVE RADIATOR SUPPORT EXTENSION LH

- a. Disengage the 2 claws and remove the radiator support extension.

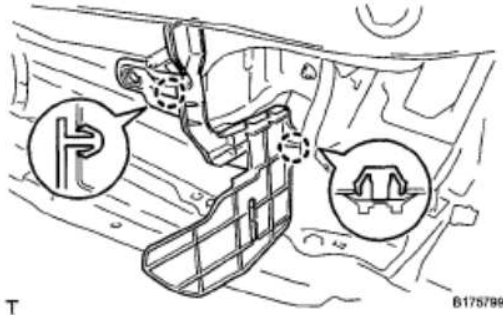
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Fig. 20: Identifying Radiator Support Extension Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

19. REMOVE RADIATOR SUPPORT EXTENSION RH

HINT:

Use the same procedure as for the LH side.

20. REMOVE FRONT BUMPER REINFORCEMENT

- a. Using a clip remover, remove the 6 clamps and disconnect the No. 2 engine room wire.

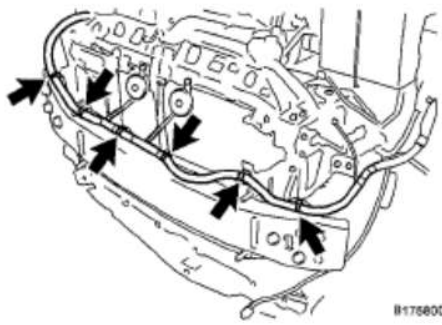


Fig. 21: Locating Front Bumper Reinforcement Clamps
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the 6 bolts, 4 nuts and the front bumper reinforcement.

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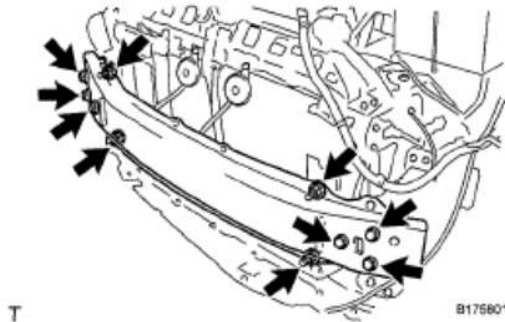


Fig. 22: Locating Front Bumper Reinforcement Bolts And Nuts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

21. REMOVE FRONT BUMPER ARM SUB-ASSEMBLY LH

- a. Remove the 4 bolts and the front bumper arm.

HINT:

The front bumper arm cannot be removed easily if the stud bolts on the back side are caught in the body.

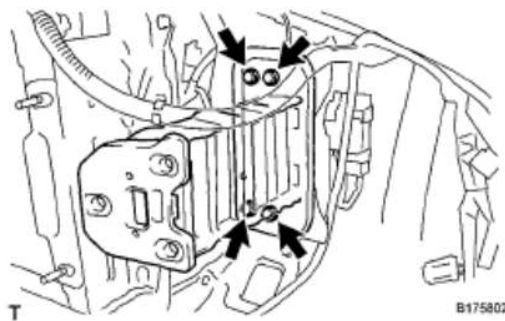


Fig. 23: Locating Front Bumper Arm Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

22. REMOVE FRONT BUMPER ARM SUB-ASSEMBLY RH**HINT:**

Use the same procedure as for the LH side.

23. REMOVE FRONT BUMPER STONE DEFLECTOR BRACKET LH

- a. Remove the 2 nuts and the front bumper stone deflector bracket.

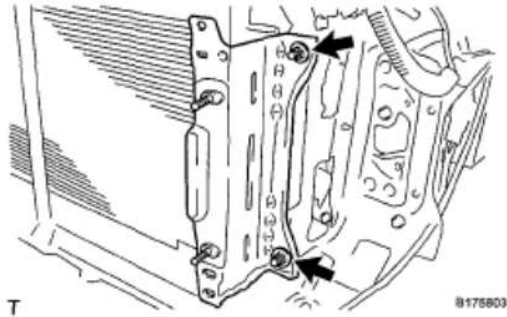
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Fig. 24: Locating Front Bumper Stone Deflector Bracket Nuts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

24. REMOVE FRONT BUMPER STONE DEFLECTOR BRACKET RH

HINT:

Use the same procedure as for the RH side.

REASSEMBLY**1. INSTALL FRONT BUMPER STONE DEFLECTOR BRACKET LH**

- Install the front bumper stone deflector bracket.

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

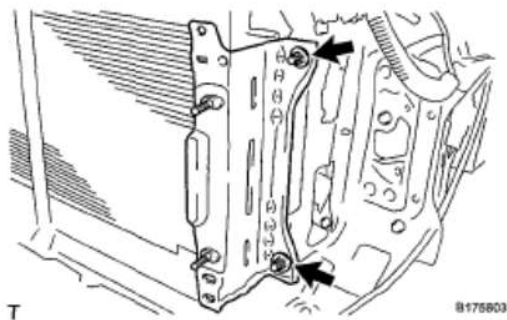


Fig. 25: Locating Front Bumper Stone Deflector Bracket Nuts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL FRONT BUMPER STONE DEFLECTOR BRACKET RH

HINT:

Use the same procedure as for the LH side.

3. INSTALL FRONT BUMPER ARM SUB-ASSEMBLY LH

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- a. Install the front bumper arm with the 4 bolts.

Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf)

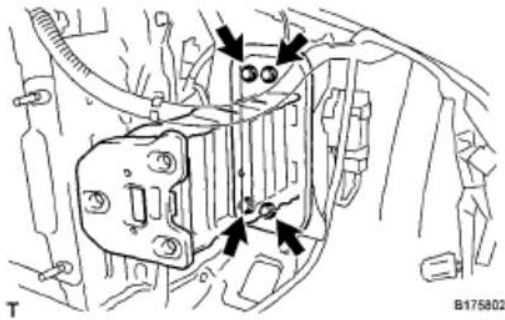


Fig. 26: Locating Front Bumper Arm Bolts

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

4. INSTALL FRONT BUMPER ARM SUB-ASSEMBLY RH

HINT:

Use the same procedure as for the LH side.

5. INSTALL FRONT BUMPER REINFORCEMENT

- a. Install the front bumper reinforcement with 6 bolts and 4 nuts.

Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf) for bolt

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



Fig. 27: Locating Front Bumper Reinforcement Bolts And Nuts

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

- b. Install the No. 2 engine room wire with the 6 clamps.

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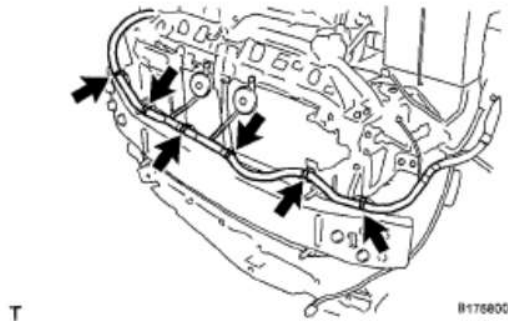


Fig. 28: Locating Front Bumper Reinforcement Clamps
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. INSTALL RADIATOR SUPPORT EXTENSION LH

- a. Engage the 2 claws and install the radiator support extension.

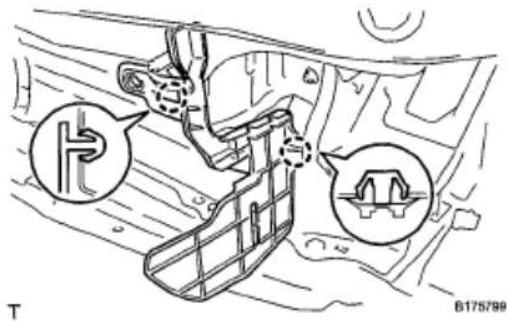


Fig. 29: Identifying Radiator Support Extension Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

7. INSTALL RADIATOR SUPPORT EXTENSION RH

HINT:

Use the same procedure as for the LH side.

8. INSTALL NO. 2 RADIATOR SIDE AIR SEAL

- a. Engage the 2 claws and install the No. 2 radiator side air seal.

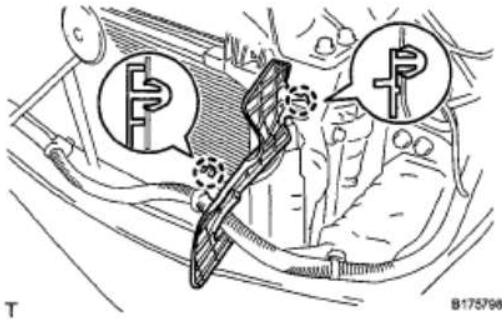
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Fig. 30: Identifying No. 1 Radiator Side Air Seal Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

9. INSTALL NO. 1 RADIATOR SIDE AIR SEAL

HINT:

Use the same procedure as for the No. 2 side.

10. INSTALL THERMISTOR ASSEMBLY

- a. Engage the 2 clamps and install the thermistor.

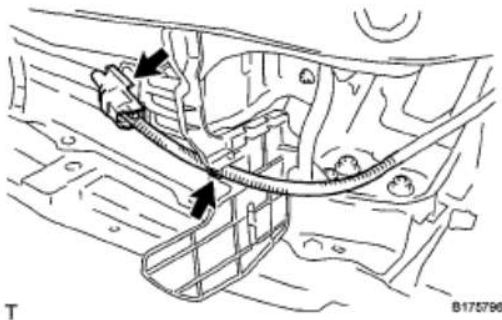


Fig. 31: Locating Thermistor Assembly Clamps
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

11. INSTALL FRONT BUMPER SIDE RETAINER LH

- a. Engage the 3 claws and install the front bumper side retainer.

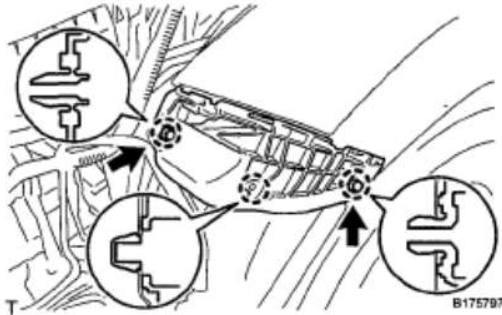
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Fig. 32: Locating Front Bumper Side Retainer Claws And Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

b. Tighten the 2 screws.

12. INSTALL FRONT BUMPER SIDE RETAINER RH

HINT:

Use the same procedure as for the LH side.

13. INSTALL FRONT BUMPER ENERGY ABSORBER

a. Install the front bumper energy absorber.

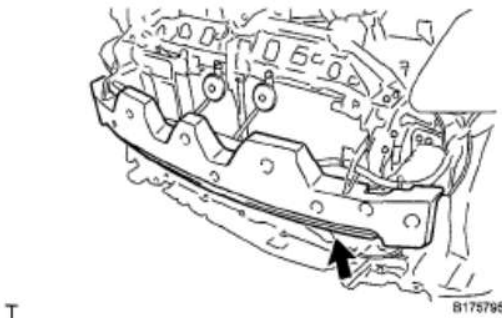


Fig. 33: Locating Front Bumper Energy Absorber
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

14. INSTALL RADIATOR SUPPORT UPPER ABSORBER

a. Engage the 6 claws and install the radiator support upper absorber.

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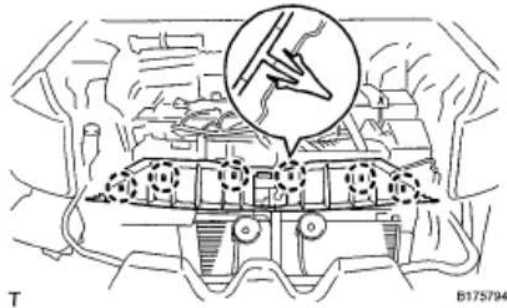


Fig. 34: Identifying Radiator Support Upper Absorber Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

15. **INSTALL HEADLIGHT UNIT LH** (See INSTALLATION)
16. **INSTALL HEADLIGHT UNIT RH**

HINT:

Use the same procedure as for the LH side.

17. **INSTALL GROMMET**
 - a. Install the grommet.

HINT:

Use the same procedure for the remaining parts.

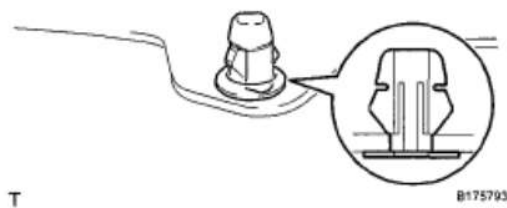


Fig. 35: Identifying Grommet
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

18. **INSTALL FRONT FENDER LINER RETAINER**
 - a. Install the front fender liner retainer.

HINT:

Use the same procedure for the remaining parts.

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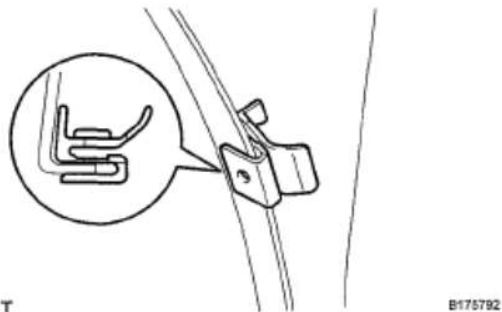


Fig. 36: Identifying Front Fender Liner Retainer
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

19. INSTALL CLIP

- Install the clip.

HINT:

Use the same procedure for the remaining parts.

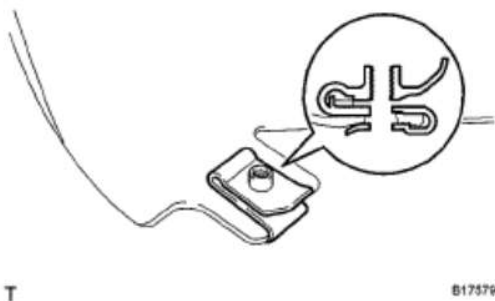


Fig. 37: Identifying Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

20. INSTALL FRONT BUMPER HOLE COVER

- Engage the 2 claws and install the front bumper hole cover.

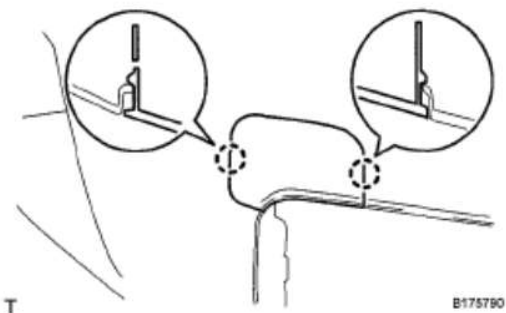


Fig. 38: Identifying Front Bumper Hole Cover Claws

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

21. INSTALL FOG LIGHT COVER LH

- a. Engage the 4 claws and install the fog light cover.

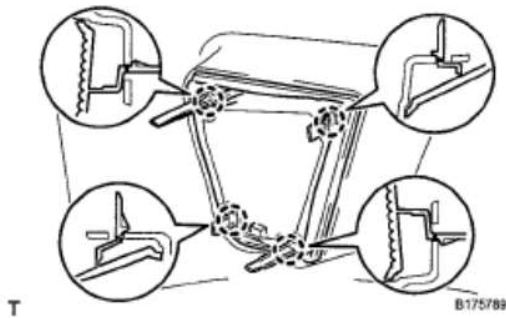


Fig. 39: Identifying Fog Light Cover Claws

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

22. INSTALL FOG LIGHT COVER RH

HINT:

Use the same procedure as for the LH side.

23. INSTALL RADIATOR LOWER GRILLE

- a. Engage the 18 claws and install the radiator lower grille.

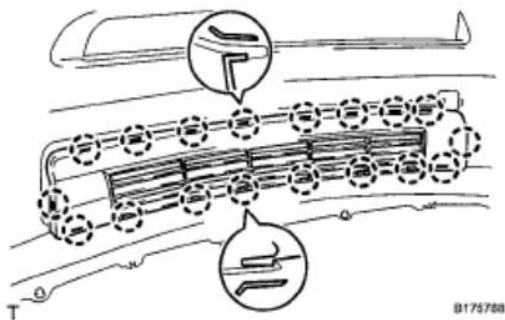


Fig. 40: Identifying Radiator Lower Grille Claws

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

24. INSTALL RADIATOR GRILLE

- a. Engage the 12 claws and install the radiator grille.

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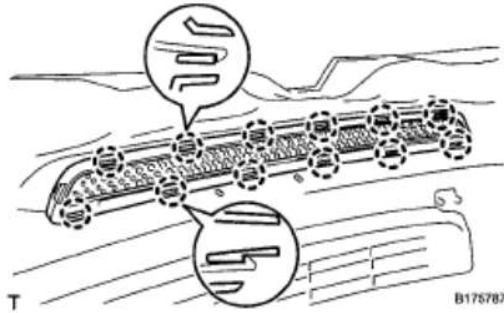


Fig. 41: Identifying Radiator Grille Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION

1. INSTALL FRONT BUMPER COVER

- a. Engage the 6 claws and install the front bumper cover.



Fig. 42: Identifying Front Bumper Cover Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Install the 9 clips.
- c. Tighten the 8 screws.

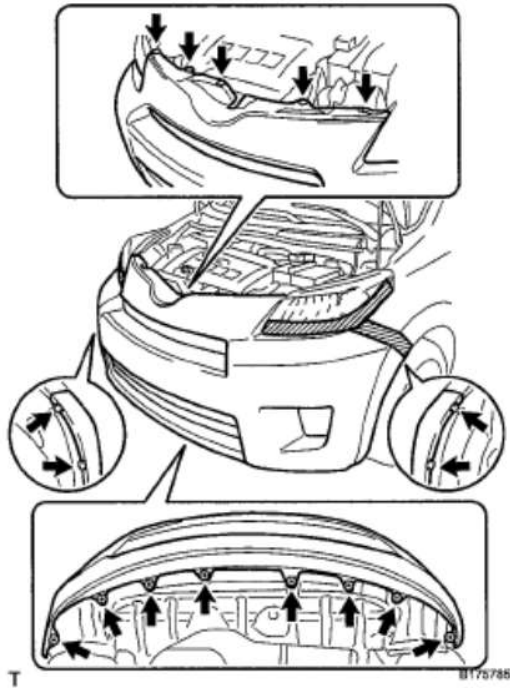
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Fig. 43: Identifying Screws And Clips

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

2. **PREPARE VEHICLE FOR HEADLIGHT AIMING ADJUSTMENT** (See **ADJUSTMENT**)
3. **PREPARE FOR HEADLIGHT AIMING (for Using a Tester)** (See **ADJUSTMENT**)
4. **PREPARE FOR HEADLIGHT AIMING (for Using a Screen)** (See **ADJUSTMENT**)
5. **INSPECT HEADLIGHT AIMING** (See **ADJUSTMENT**)
6. **ADJUST HEADLIGHT AIMING** (See **ADJUSTMENT**)

REAR BUMPER

COMPONENTS

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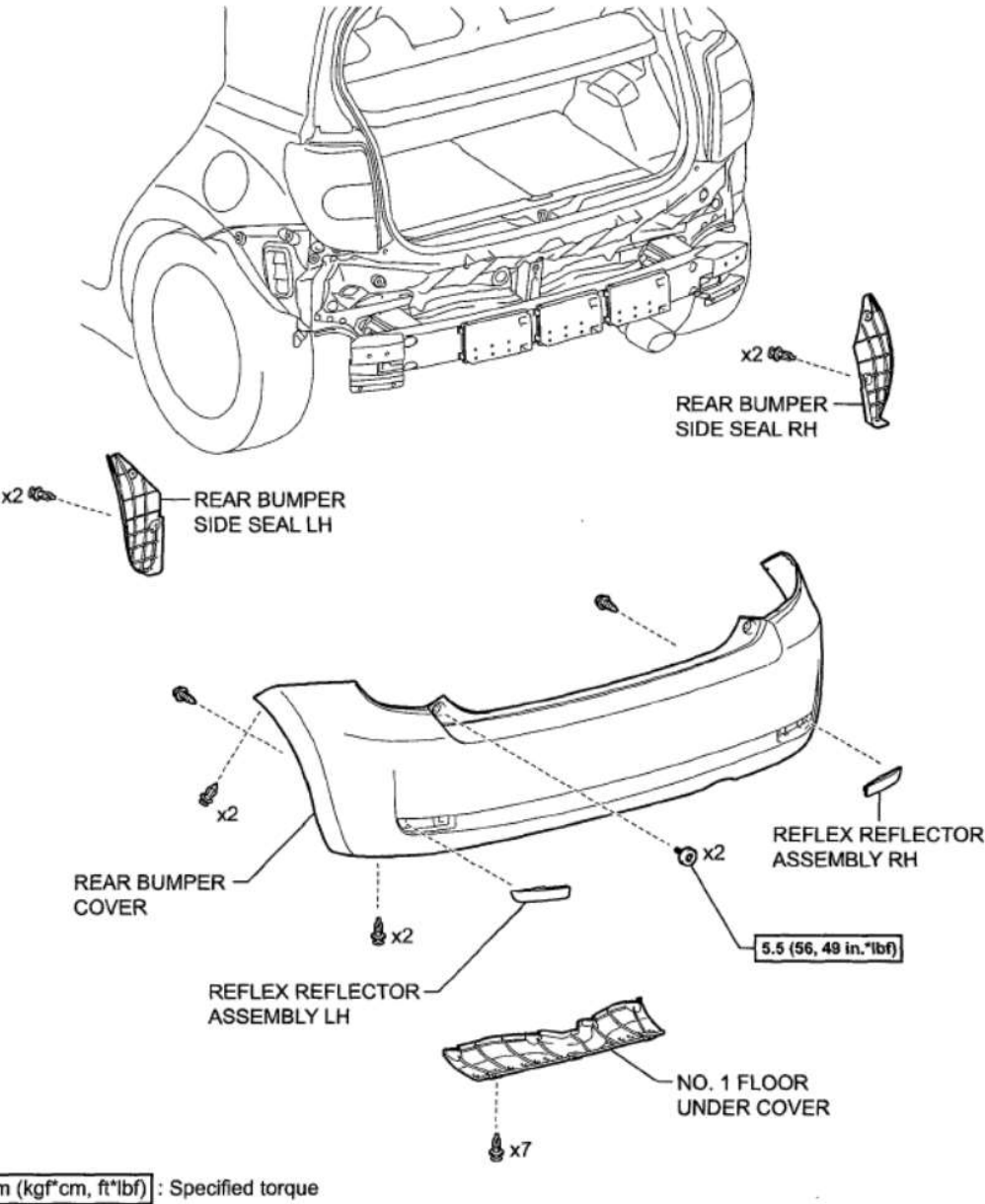
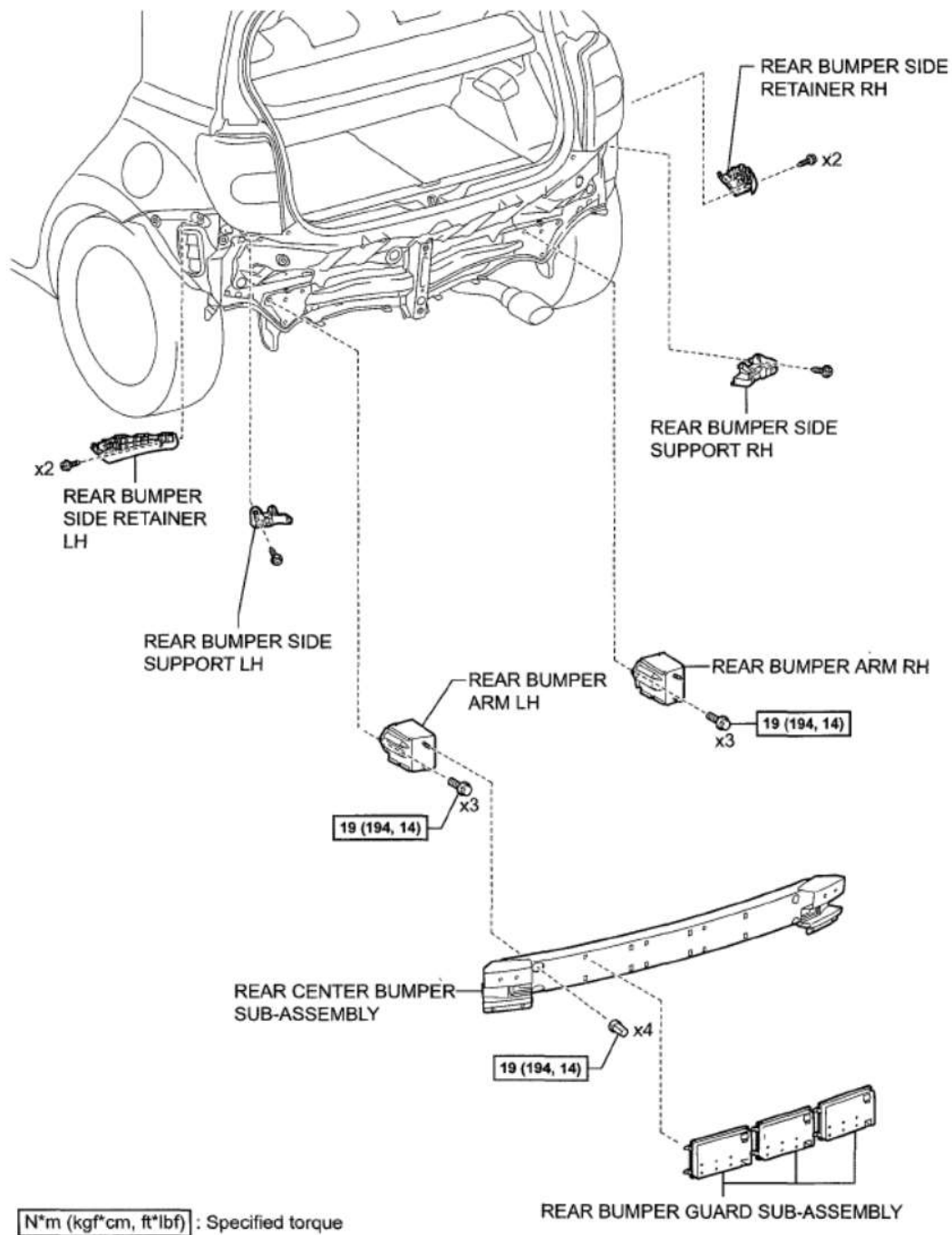


Fig. 44: Identifying Rear Bumper Components With Torque Specification (1 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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Fig. 45: Identifying Rear Bumper Components With Torque Specifications (2 Of 2)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

1. REMOVE NO. 1 FLOOR UNDER COVER

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- a. Remove the 7 clips and No. 1 floor under cover.



Fig. 46: Locating No. 1 Floor Under Cover Clips
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. REMOVE REAR BUMPER COVER

- a. Using a "TORX" socket wrench T30, remove the 2 rear bumper cushions.

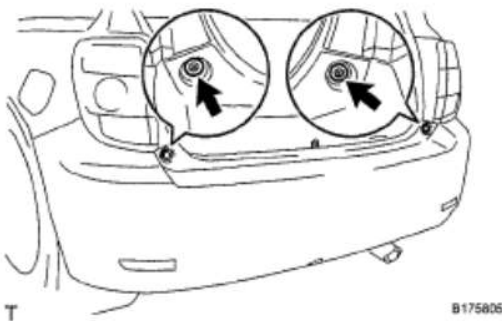


Fig. 47: Locating Rear Bumper Cushions Torx Screw
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Apply protective tape as shown in the illustration.

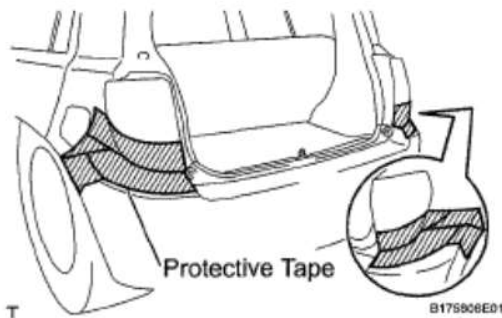


Fig. 48: Identifying Protective Tape Applying Location
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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- c. Remove the 4 clips.

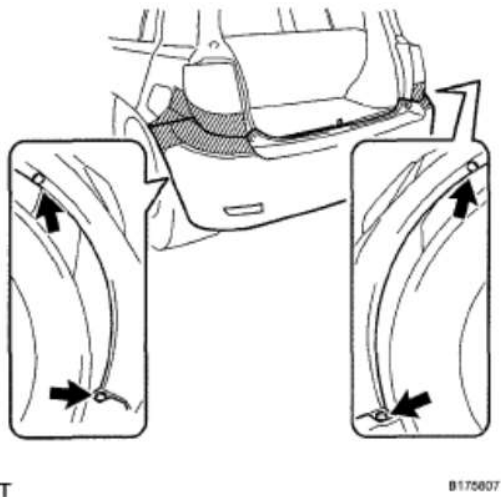


Fig. 49: Identifying Clips

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

- d. Disengage the 8 claws and remove the rear bumper cover.

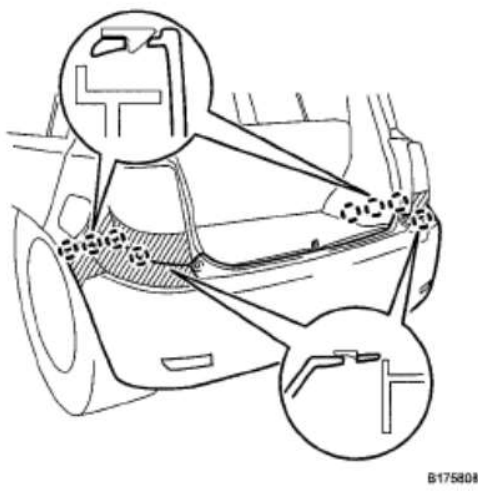


Fig. 50: Locating Rear Bumper Cover Claws

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

DISASSEMBLY

1. REMOVE REFLEX REFLECTOR ASSEMBLY LH

- a. Remove the screw and the reflex reflector.

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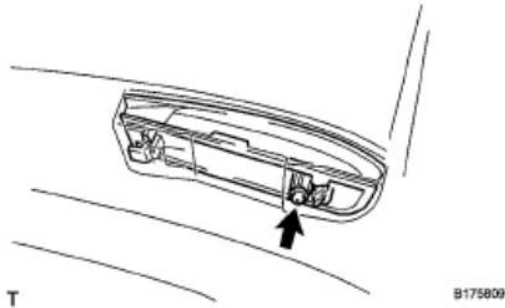


Fig. 51: Identifying Reflex Reflector Screw
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. REMOVE REFLEX REFLECTOR ASSEMBLY RH

HINT:

Use the same procedure as for the LH side.

3. REMOVE REAR BUMPER SIDE RETAINER LH

- Remove the 2 screws.
- Disengage the 2 claws and remove the rear bumper side retainer.

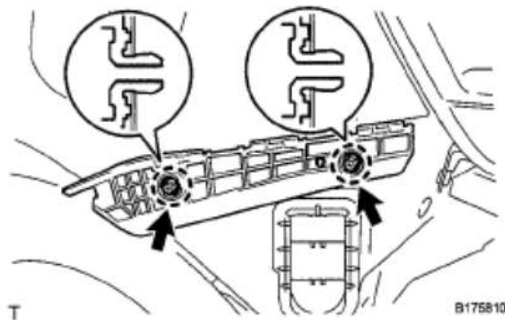


Fig. 52: Locating Rear Bumper Side Retainer Claws And Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

4. REMOVE REAR BUMPER SIDE RETAINER RH

HINT:

Use the same procedure as for the LH side.

5. REMOVE REAR BUMPER SIDE SUPPORT LH

- Remove the screw.
- Disengage the 2 claws and remove the rear bumper side support.

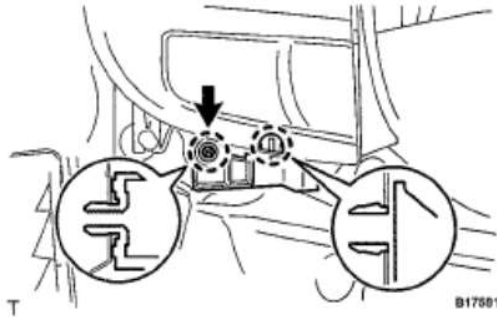
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Fig. 53: Locating Rear Bumper Side Support Claws And Screw
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. REMOVE REAR BUMPER SIDE SUPPORT RH

HINT:

Use the same procedure as for the LH side.

7. REMOVE REAR BUMPER SIDE SEAL LH

- a. Remove the 2 clips and the rear bumper side seal.

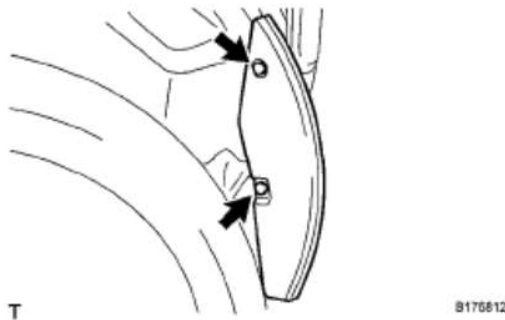


Fig. 54: Identifying Rear Bumper Side Seal Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. REMOVE REAR BUMPER SIDE SEAL RH

HINT:

Use the same procedure as for the LH side.

9. REMOVE REAR BUMPER GUARD SUB-ASSEMBLY

- a. Disengage the 2 claws and 2 guides and remove the rear bumper guard.

HINT:

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Use the same procedure for the remaining parts.

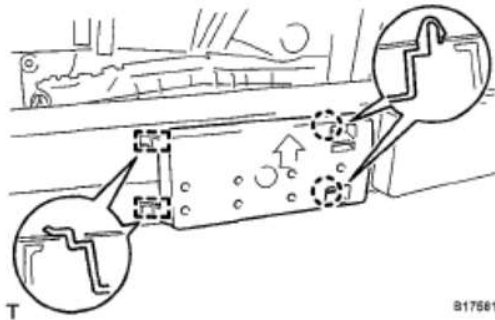


Fig. 55: Identifying Rear Bumper Guard Claws And Guides
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

10. REMOVE REAR CENTER BUMPER SUB-ASSEMBLY

- a. Remove the 4 nuts and the rear center bumper.

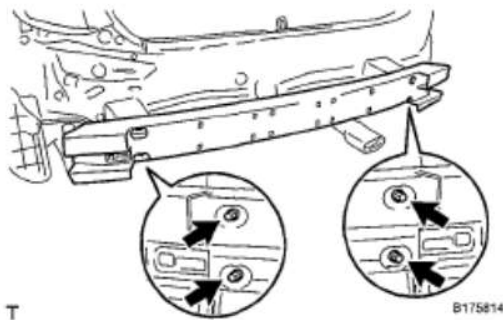


Fig. 56: Locating Rear Center Bumper Nuts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

11. REMOVE REAR BUMPER ARM LH

- a. Remove the 3 bolts and rear bumper arm.

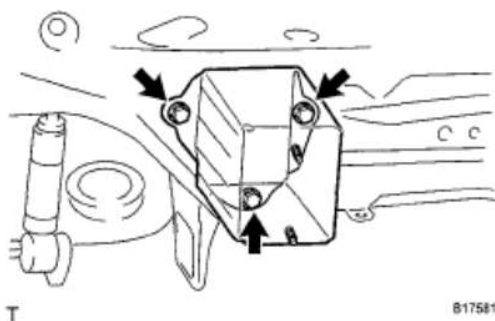


Fig. 57: Locating Rear Bumper Arm Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2008 Scion xD**2008 ACCESSORIES AND EQUIPMENT Exterior - xD****12. REMOVE REAR BUMPER ARM RH**

HINT:

Use the same procedure as for the LH side.

REASSEMBLY**1. INSTALL REAR BUMPER ARM LH**

- a. Install rear bumper arm with the 3 bolts.

Torque: 19 N*m (194 kgf*cm, 14 ft.*lbf)

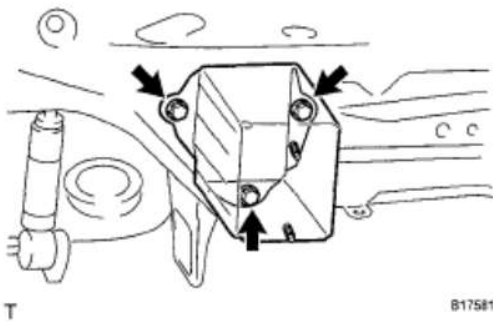


Fig. 58: Locating Rear Bumper Arm Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL REAR BUMPER ARM RH

HINT:

Use the same procedure as for the LH side.

3. INSTALL REAR CENTER BUMPER SUB-ASSEMBLY

- a. Install the rear bumper reinforcement with the 4 nuts.

Torque: 19 N*m (194 kgf*cm, 14 ft.*lbf)

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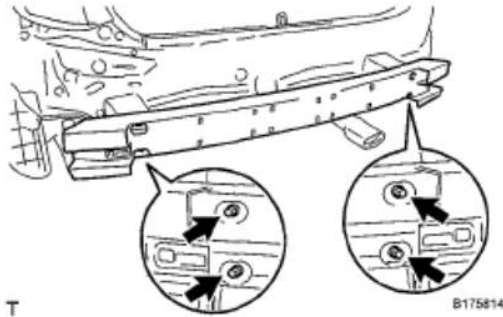


Fig. 59: Locating Rear Center Bumper Nuts

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

4. INSTALL REAR BUMPER GUARD SUB-ASSEMBLY

- a. Engage the 2 claws and 2 guides and install the rear bumper guard.

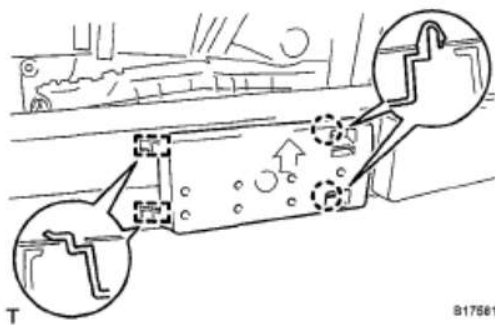


Fig. 60: Identifying Rear Bumper Guard Claws And Guides

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

5. INSTALL REAR BUMPER SIDE SEAL LH

- a. Install the rear bumper side seal with the 2 clips.

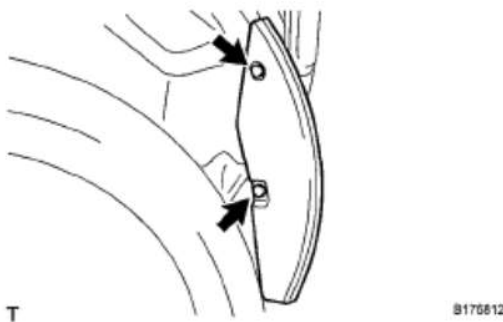


Fig. 61: Identifying Rear Bumper Side Seal Clips

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

6. INSTALL REAR BUMPER SIDE SEAL RH

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HINT:

Use the same procedure as for the LH side.

7. INSTALL REAR BUMPER SIDE SUPPORT LH

- a. Engage the 2 claws and install the rear bumper side support.
- b. Tighten the screw.

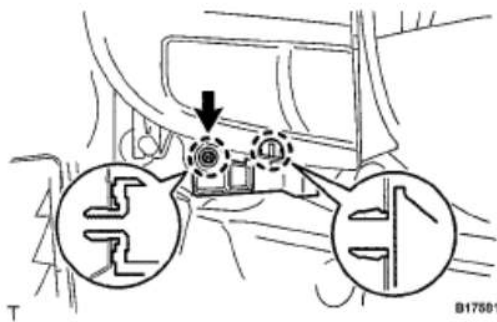


Fig. 62: Locating Rear Bumper Side Support Claws And Screw
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. INSTALL REAR BUMPER SIDE SUPPORT RH

HINT:

Use the same procedure as for the LH side.

9. INSTALL REAR BUMPER SIDE RETAINER LH

- a. Engage the 2 claws and install the rear bumper side retainer.
- b. Tighten the 2 screws.

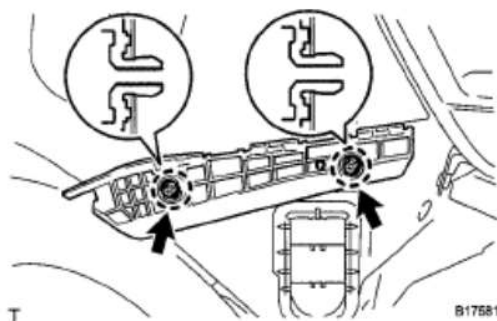


Fig. 63: Locating Rear Bumper Side Retainer Claws And Screws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

10. INSTALL REAR BUMPER SIDE RETAINER RH

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HINT:

Use the same procedure as for the LH side.

11. INSTALL REFLEX REFLECTOR ASSEMBLY LH

- a. Install the reflex reflector with the screw.

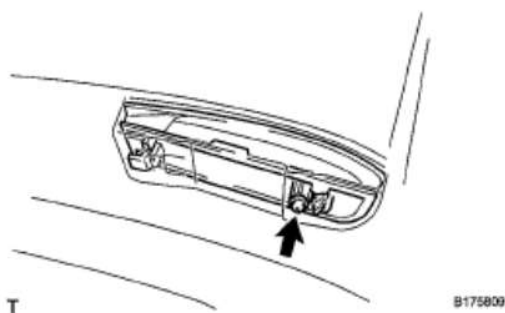


Fig. 64: Identifying Reflex Reflector Screw

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

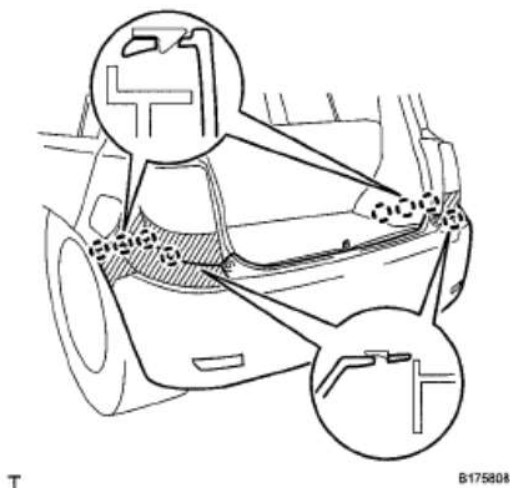
12. INSTALL REFLEX REFLECTOR ASSEMBLY RH

HINT:

Use the same procedure as for the LH side.

INSTALLATION**1. INSTALL REAR BUMPER COVER**

- a. Engage the 8 claws and install the rear bumper cover.



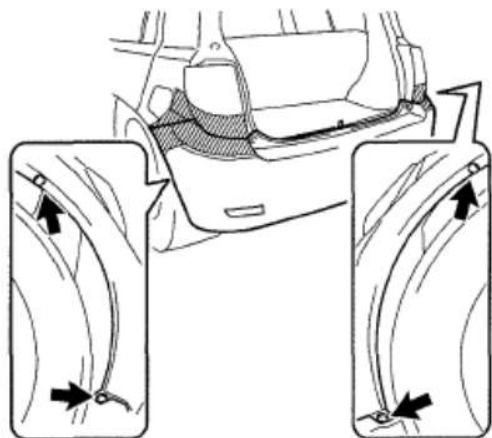
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Fig. 65: Locating Rear Bumper Cover Claws

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

- b. Install the 4 clips.



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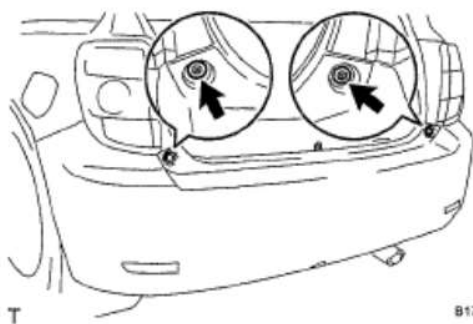
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Fig. 66: Identifying Clips

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

- c. Using a "TORX" socket wrench T30, install the 2 rear bumper cushions.

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



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Fig. 67: Locating Rear Bumper Cushions Torx Screw

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

2. INSTALL NO. 1 FLOOR UNDER COVER

- a. Install the No. 1 floor under cover with the 7 clips.

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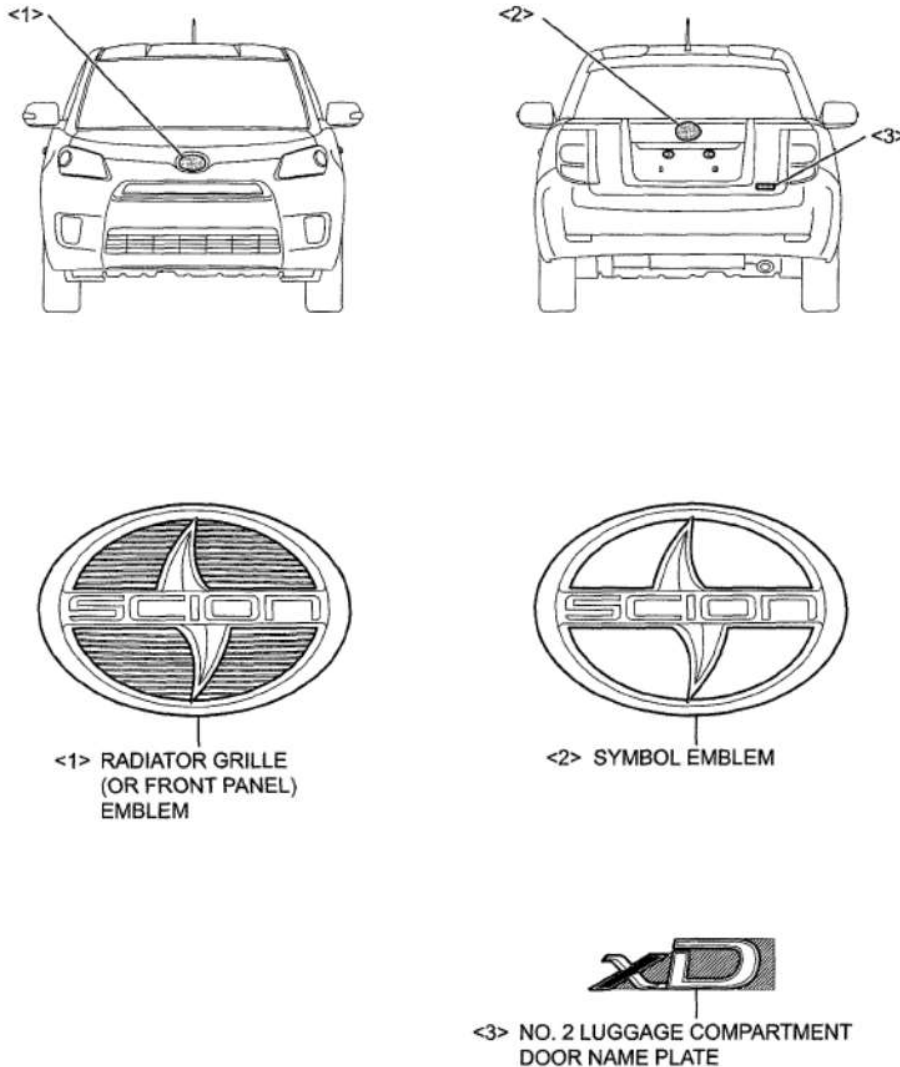


Fig. 68: Locating No. 1 Floor Under Cover Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NAME PLATE**COMPONENTS**

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Fig. 69: Identifying Name Plate Components

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

REMOVAL

1. REMOVE RADIATOR GRILLE (OR FRONT PANEL) EMBLEM

- Apply protective tape to the engine hood in the area around the radiator grille (or front panel) emblem.
- Pass a piano wire between the vehicle body and radiator grille (or front panel) emblem.
- Tie objects that can serve as handles (for example, wooden blocks) to both wire ends.
- Pull the piano wire and scrape off the double-sided tape that holds the radiator grille (or front panel) emblem to the vehicle body.

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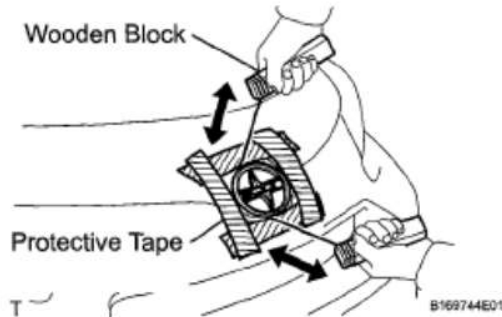


Fig. 70: Pulling Piano Wire And Scrape Off Double-Sided Tape
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE:

- If reusing the radiator grille (or front panel) emblem, take care not to damage the radiator grille (or front panel) emblem.
- Be careful not to damage the vehicle body.

e. Remove the radiator grille (or front panel) emblem.

2. REMOVE SYMBOL EMBLEM

- Apply protective tape to the back door panel in the area around the symbol emblem.
- Pass a piano wire between the vehicle body and symbol emblem.
- Tie objects that can serve as handles (for example, wooden blocks) to both wire ends.
- Pull the piano wire and scrape off the double-sided tape that holds the symbol emblem to the vehicle body.

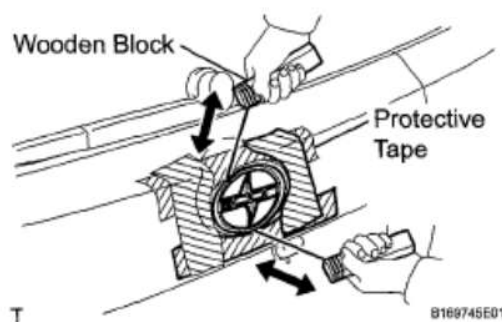


Fig. 71: Pulling Piano Wire And Scrape Off Double-Sided Tape
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE:

- If reusing the symbol emblem, take care not to damage the symbol emblem.
- Be careful not to damage the vehicle body.

e. Remove the symbol emblem.

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3. REMOVE NO. 2 LUGGAGE COMPARTMENT DOOR NAME PLATE

- Apply protective tape to the back door panel in the area around the No. 2 luggage compartment door name plate.
- Pass a piano wire between the vehicle body and No. 2 luggage compartment door name plate.
- Tie objects that can serve as handles (for example, wooden blocks) to both wire ends.
- Pull the piano wire and scrape off the double-sided tape that holds the No. 2 luggage compartment door name plate to the vehicle body.

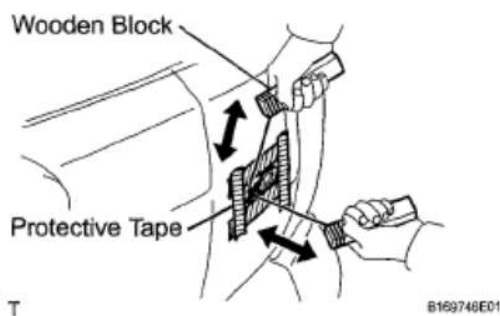


Fig. 72: Pulling Piano Wire And Scrape Off Double-Sided Tape
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE:

- If reusing the No. 2 luggage compartment door name plate, take care not to damage the No. 2 luggage compartment door name plate.
- Be careful not to damage the vehicle body.

- Remove the No. 2 luggage compartment door name plate.

INSTALLATION

1. INSTALL NO. 2 LUGGAGE COMPARTMENT DOOR NAME PLATE

- Clean the attachment surface.
 - Using an infrared light, heat the double-sided adhesive tape remaining on the back door panel.

HINT:

Heat at 40 to 60°C (104 to 140°F) for 1 to 2 minutes.

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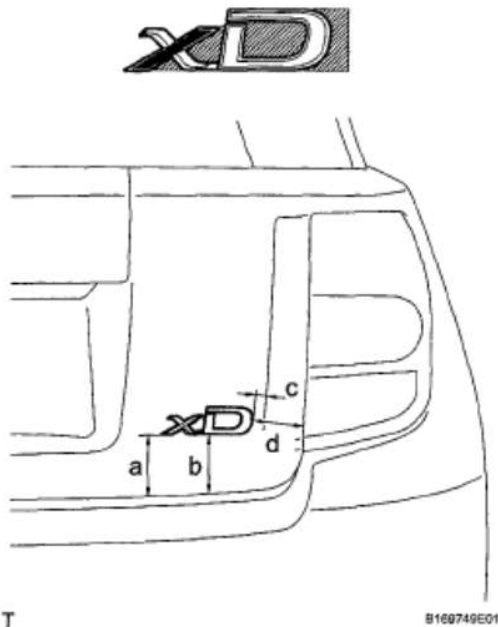


Fig. 73: Identifying No. 2 Luggage Compartment Door Name Plate Dimension
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. Using a piece of cloth, rub the double-sided adhesive tape off the back door panel while it is hot from the infrared light.

NOTE: Installing the No. 2 luggage compartment door name plate while any double-sided tape remains on the luggage compartment door panel may cause adhesion failure. Therefore, completely remove the double-sided tape.

3. Using a non-residue solvent, clean the attachment surface.
- b. Install a new No. 2 luggage compartment door name plate as shown in the illustration.

Installation position

DOOR NAME PLATE INSTALLATION POSITION

Mark	Measurement (along surface)
a	74.7 mm (2.941 in.)
b	75.0 mm (2.953 in.)
c	19.0 mm (0.748 in.)
d	73.9 mm (2.909 in.)

NOTE: Install the No. 2 luggage compartment door name plate in an environment where the ambient temperature is over 20C (68°F). If it is below 20C (68°F), using an infrared light, heat the back door panel

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and the No. 2 luggage compartment door name plate up to 20 to 30C (68 to 86F) and install the No. 2 luggage compartment door name plate.

2. INSTALL SYMBOL EMBLEM

- a. Clean the attachment surface.

1. Using an infrared light, heat the double-sided adhesive tape remaining on the back door panel.

HINT:

Heat at 40 to 60°C (104 to 140°F) for 1 to 2 minutes.

2. Using a piece of cloth, rub the remaining double-sided adhesive tape off the back door panel while it is hot from the infrared light.

NOTE: Installing the symbol emblem with any double-sided tape remaining on the back door panel may cause adhesion failure. Therefore, completely remove the double-sided tape.

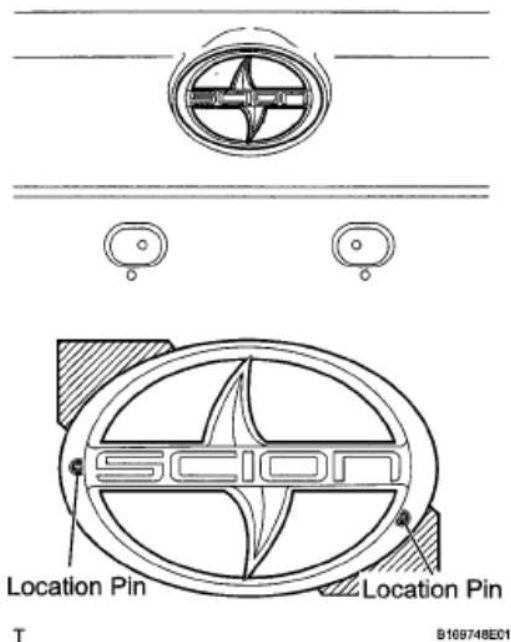
3. Using a non-residue solvent, clean the attachment surface.

- b. Insert the 2 pins into the back door panel and install the symbol emblem.

NOTE: Install the symbol emblem in an environment where the ambient temperature is over 20 C (68 F). If it is below 20 C (68 F), using an infrared light, heat the back door panel and the symbol emblem up to 20 to 30°C (68 to 86°F) and install the symbol emblem.

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**Fig. 74: Identifying Symbol Emblem Pin**

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

3. INSTALL RADIATOR GRILLE (OR FRONT PANEL) EMBLEM

- a. Clean the attachment surface.
 1. Using an infrared light, heat the double-sided adhesive tape remaining on the engine hood.

HINT:

Heat at 40 to 60°C (104 to 140°F) for 1 to 2 minutes.

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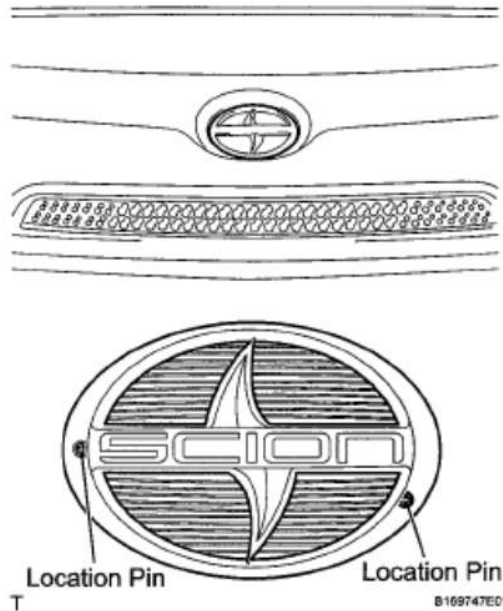


Fig. 75: Identifying Radiator Grille Emblem Pin

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

2. Using a piece of cloth, rub the remaining double-sided adhesive tape off the engine hood while it is hot from the infrared light.

NOTE: Installing the radiator grille (or front panel) emblem with any double-sided tape remaining on the engine hood may cause adhesion failure. Therefore, completely remove the double-sided tape.

3. Using a non-residue solvent, clean the attachment surface.
- b. Insert the 2 pins into the engine hood and install the radiator grille (or front panel) emblem.

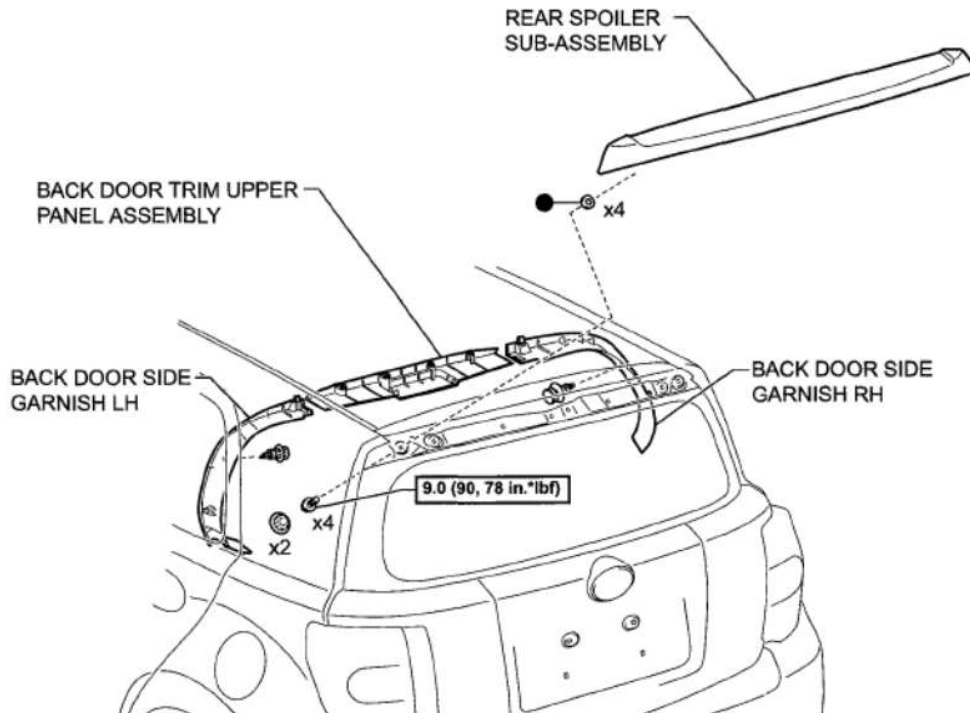
NOTE: Install the radiator grille (or front panel) emblem in an environment where the ambient temperature is over 20C (68°F). If it is below 20C (68°F), using an infrared light, heat the engine hood and the radiator grille (or front panel) emblem up to 20 to 30C (68 to 86F) and install the radiator grille (or front panel) emblem.

REAR SPOILER

COMPONENTS

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

● Non-reusable part

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Fig. 76: Identifying Rear Spoiler Components With Torque Specification
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

1. REMOVE BACK DOOR TRIM UPPER PANEL ASSEMBLY (See **DISASSEMBLY**)
2. REMOVE BACK DOOR SIDE GARNISH LH (See **DISASSEMBLY**)
3. REMOVE BACK DOOR SIDE GARNISH RH

HINT:

Use the same procedure as for the LH side.

4. REMOVE REAR SPOILER SUB-ASSEMBLY
 - a. Remove the hole plug.

HINT:

Use the same procedure for the remaining parts

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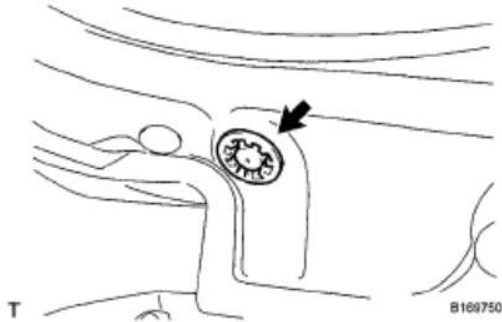


Fig. 77: Locating Hole Plug

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

- b. Remove the 4 bolts.
- c. Disengage the 2 clips and remove the rear spoiler.
- d. Remove the 4 gaskets.

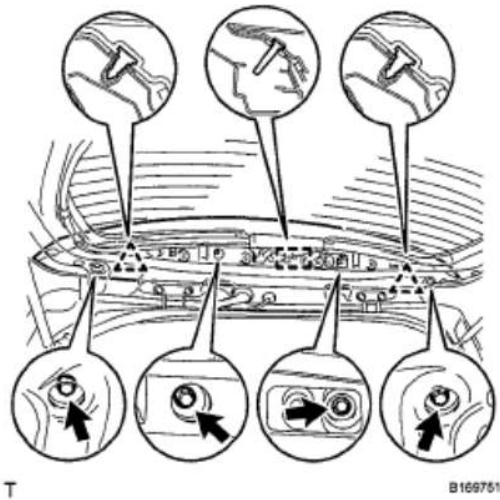


Fig. 78: Locating Rear Spoiler Bolts, Clips And Gasket

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

INSTALLATION

1. INSTALL REAR SPOILER SUB-ASSEMBLY

- a. Install the 4 new gaskets.
- b. Engage the 2 clips and install the rear spoiler.

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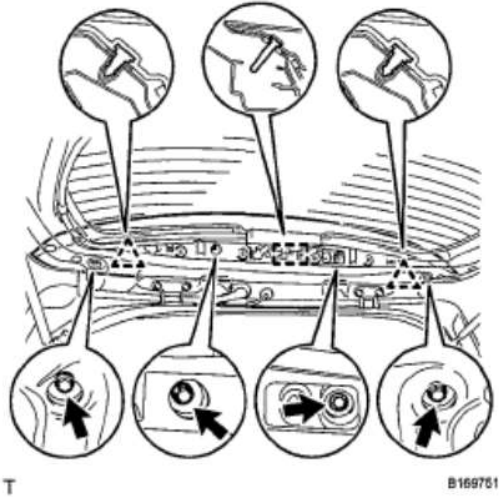


Fig. 79: Locating Rear Spoiler Bolts, Clips And Gasket
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Tighten the 4 bolts.

Torque: 9.0 N*m (90 kgf*cm, 78 in.*lbf)

- d. Install the hole plugs.

HINT:

Use the same procedure for the remaining parts.

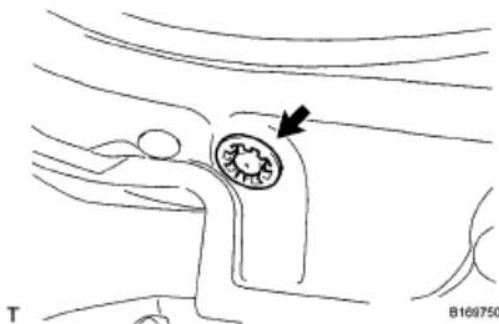


Fig. 80: Locating Hole Plug
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. **INSTALL BACK DOOR SIDE GARNISH LH (See REASSEMBLY)**
3. **INSTALL BACK DOOR SIDE GARNISH RH**

HINT:

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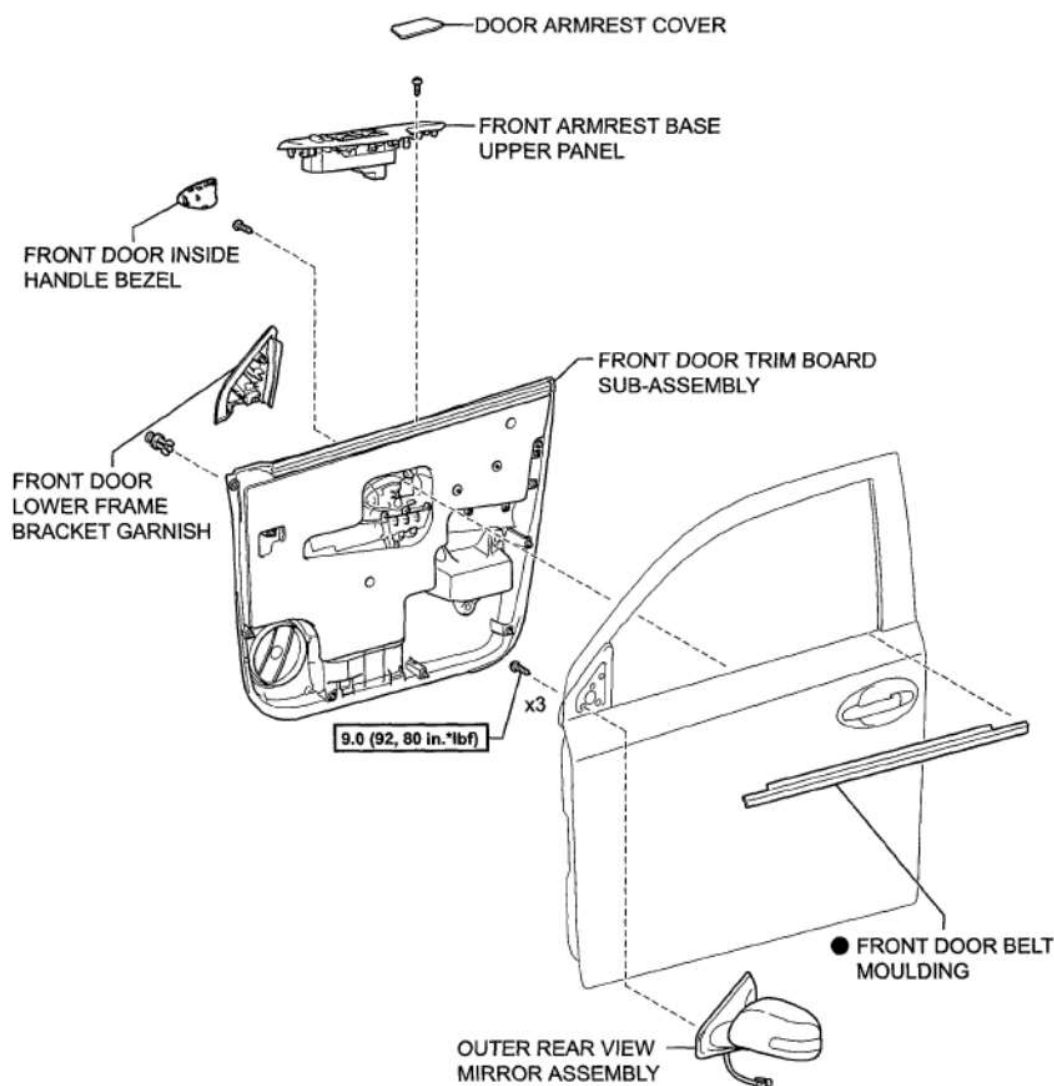
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Use the same procedure as for the LH side.

4. INSTALL BACK DOOR TRIM UPPER PANEL ASSEMBLY (See REASSEMBLY)

FRONT DOOR BELT MOLDING

COMPONENTS



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

● Non-reusable part

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Fig. 81: Identifying Front Door Belt Molding Components With Torque Specification
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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

1. REMOVE FRONT ARMREST BASE UPPER PANEL**HINT:**

Use the same procedure as for the RH side (See **DISASSEMBLY**).

2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH**HINT:**

Use the same procedure as for the RH side (See **DISASSEMBLY**).

3. REMOVE FRONT DOOR INSIDE HANDLE BEZEL**HINT:**

Use the same procedure as for the RH side (See **DISASSEMBLY**).

4. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY**HINT:**

Use the same procedure as for the RH side (see **DISASSEMBLY**).

5. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY (See **REMOVAL)****6. REMOVE FRONT DOOR BELT MOLDING**

- a. Apply protective tape to the door panel in the area around the front door belt molding.

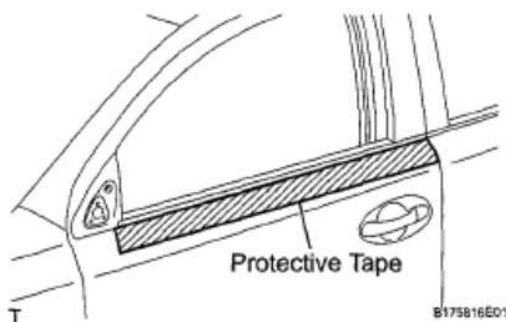


Fig. 82: Identifying Protective Tape

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

- b. Using a molding remover, disengage the 5 claws and the clip and remove the front door belt molding.

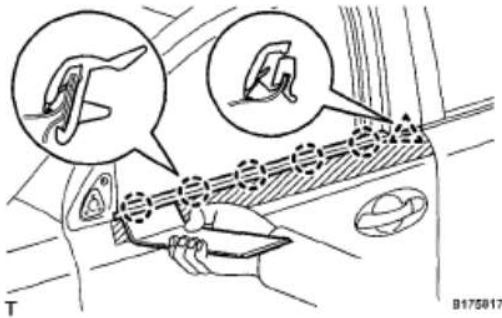


Fig. 83: Identifying Front Door Belt Molding Claws And Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION

1. INSTALL FRONT DOOR BELT MOLDING

- a. Engage the 5 claws and the clip and install a new front door belt molding.

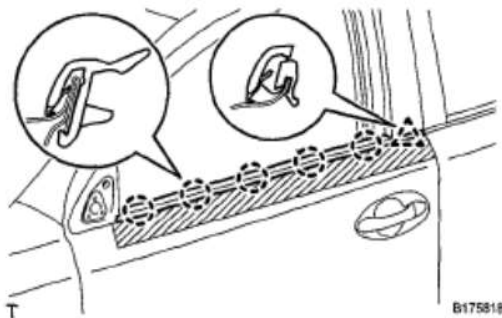


Fig. 84: Identifying Front Door Belt Molding Claws And Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the protective tape.

2. **INSTALL OUTER REAR VIEW MIRROR ASSEMBLY** (See INSTALLATION)
3. **INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY**

HINT:

Use the same procedure as for the RH side (See REASSEMBLY).

4. **INSTALL FRONT DOOR INSIDE HANDLE BEZEL**

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HINT:

Use the same procedure as for the RH side (See REASSEMBLY).

5. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH

HINT:

Use the same procedure as for the RH side (See REASSEMBLY).

6. INSTALL FRONT ARMREST BASE UPPER PANEL

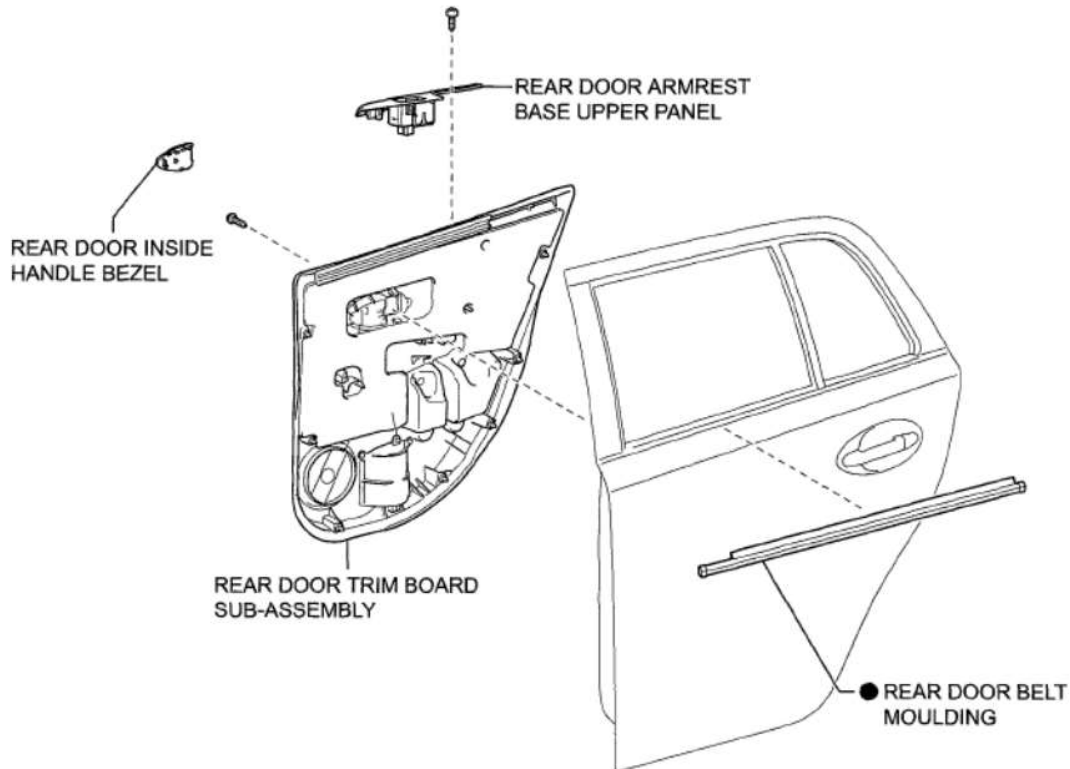
HINT:

Use the same procedure as for the RH side (See REASSEMBLY).

REAR DOOR BELT MOLDING**COMPONENTS**

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● Non-reusable part

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Fig. 85: Identifying Rear Door Belt Molding Components
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

HINT:

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

1. REMOVE REAR DOOR ARMREST BASE UPPER PANEL

HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).

2. REMOVE REAR DOOR INSIDE HANDLE BEZEL

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HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).

3. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY

HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).

4. REMOVE REAR DOOR BELT MOLDING

- a. Apply protective tape to the door panel in the area around the rear door belt molding.

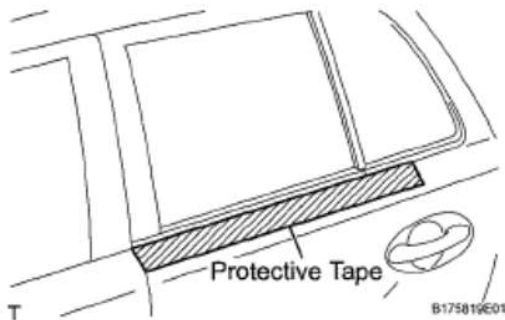


Fig. 86: Identifying Protective Tape

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

- b. Using a molding remover, disengage the 4 claws and the clip and remove the rear door belt molding.

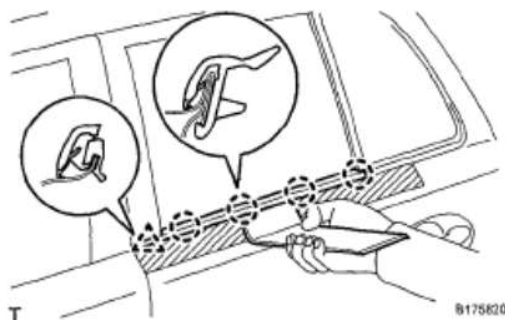


Fig. 87: Identifying Rear Door Belt Molding Claws And Clip

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

INSTALLATION

1. INSTALL REAR DOOR BELT MOLDING

- a. Engage the 4 claws and the clip and install a new rear door belt molding.

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- b. Remove the protective tape.

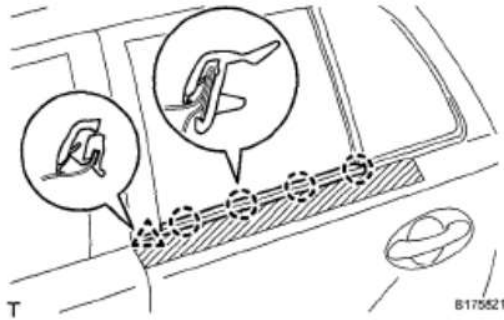


Fig. 88: Identifying Rear Door Belt Molding Claws And Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY

HINT:

Use the same procedure as for the RH side (See REASSEMBLY).

3. INSTALL REAR DOOR INSIDE HANDLE BEZEL

HINT:

Use the same procedure as for the RH side (See REASSEMBLY).

4. INSTALL REAR DOOR ARMREST BASE UPPER PANEL

HINT:

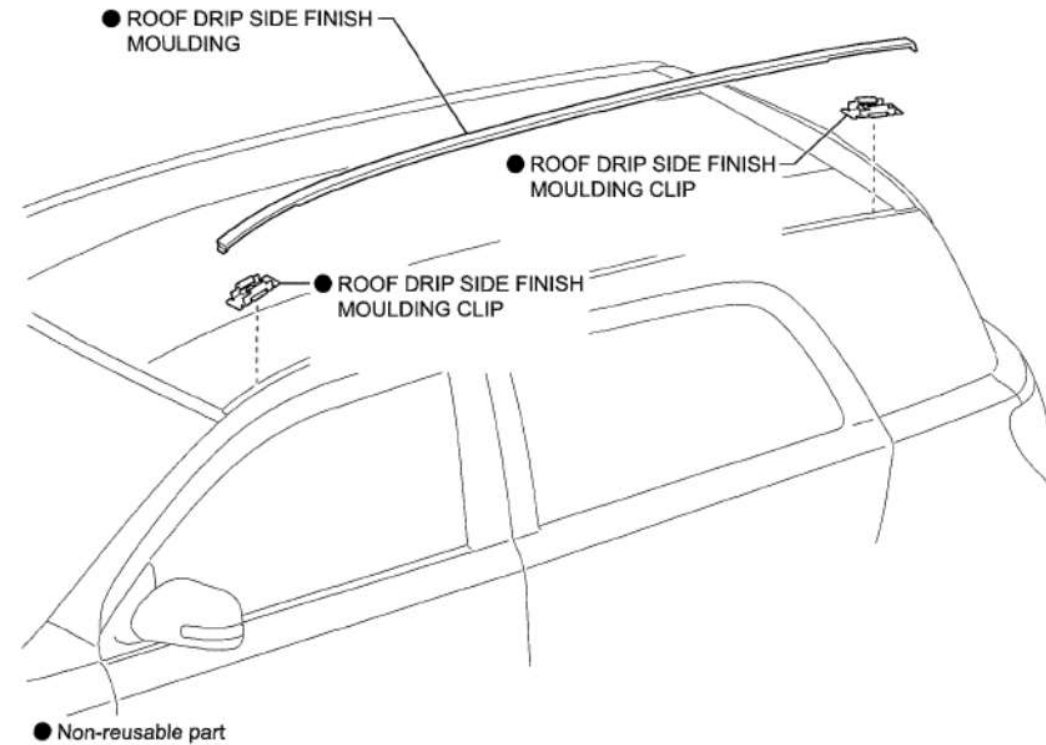
Use the same procedure as for the RH side (See REASSEMBLY).

ROOF DRIP SIDE FINISH MOLDING

COMPONENTS

2008 Scion xD

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Fig. 89: Identifying Roof Drip Side Finish Molding Components
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

HINT:

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

1. REMOVE ROOF DRIP SIDE FINISH MOULDING

- Apply protective tape to the roof panel in the area around the roof drip side finish molding.



Fig. 90: Identifying Protective Tape

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

- b. Disengage the 2 clips and remove the roof drip side finish molding.

NOTE:

- Do not remove the clips.
- Replace the clips with new clips if damaged.

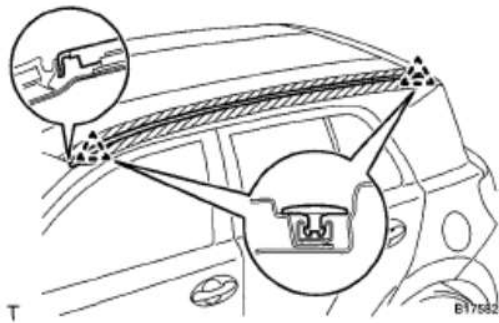


Fig. 91: Identifying Roof Drip Side Finish Molding Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION

1. INSTALL ROOF DRIP SIDE FINISH MOLDING CLIP

NOTE: Only follow this procedure when replacing the clips.

- Remove the tape that remains on the molding surface of the vehicle body, then clean the surface with a non-residue solvent.
- Using an infrared light, heat the clip installation surface on the vehicle body and roof drip side finish molding.

Heating Temperature

HEATING TEMPERATURE SPECIFICATION

Area	Temperature
Vehicle Body	40 to 60°C (104 to 140°F)
Roof Drip Side Finish Moulding	20 to 30°C (68 to 86°F)

NOTE: Do not excessively heat the vehicle body or roof drip side finish molding.

- Install new clips in the positions shown in the illustration. Press in the clips by hand.

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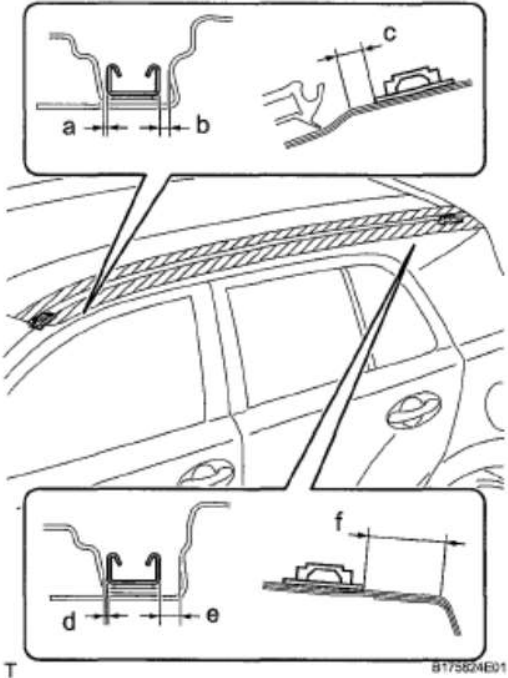


Fig. 92: Identifying Roof Drip Side Finish Molding Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Specification

CLIPS SPECIFICATION

Area	Measurement
a	1.0 mm (0.039 in.)
b	1.7 mm (0.067 in.)
c	7.8 mm (0.307 in.)
d	0.8 mm (0.031 in.)
e	2.7 mm (0.106 in.)
f	22.7 mm (0.894 in.)

NOTE: After pressing in the clips, wait 30 minutes or more before installing the roof drip side finish molding.

HINT:

- Minimum hardening time: 30 minutes
- Time needed for complete hardening: 24 hours

2. INSTALL ROOF DRIP SIDE FINISH MOLDING

- a. Engage the 2 clips and install the roof drip side finish molding.

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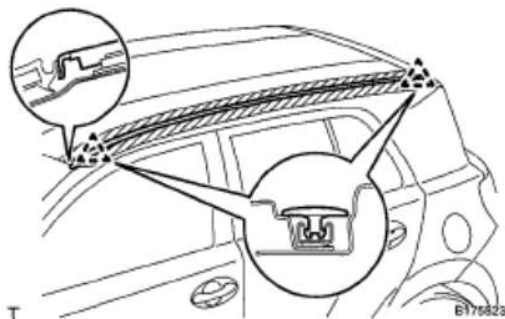


Fig. 93: Identifying Roof Drip Side Finish Molding Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Remove the protective tape.

SIDE MUDGUARD

COMPONENTS

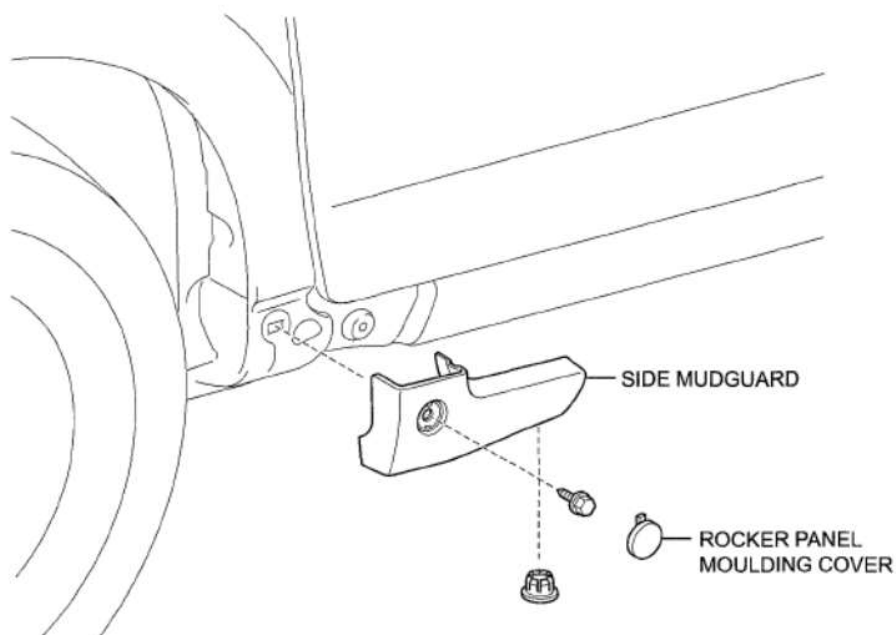


Fig. 94: Identifying Side Mudguard Components
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

2008 Scion xD

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HINT:

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

1. REMOVE ROCKER PANEL MOLDING COVER

- Using a screwdriver with its tip wrapped in protective tape, disengage the 2 claws and remove the rocker panel molding cover.

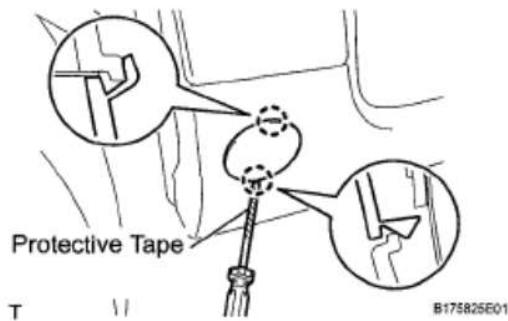


Fig. 95: Identifying Rocker Panel Molding Cover Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. REMOVE SIDE MUDGUARD

- Remove the clip.
- Disengage the claw, clip and remove the side mudguard.

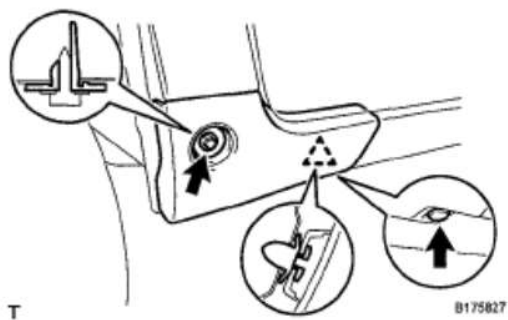


Fig. 96: Identifying Side Mudguard Claw And Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION

1. INSTALL SIDE MUDGUARD

- Engage the claw, clip and install the side mudguard.
- Install the clip.

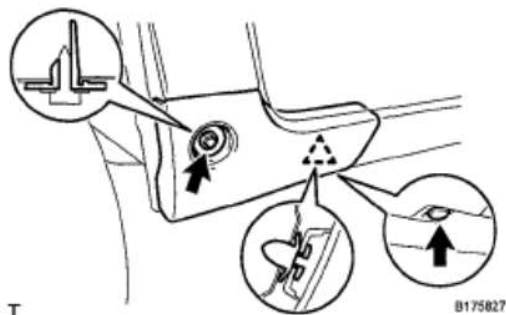
2008 Scion xD**2008 ACCESSORIES AND EQUIPMENT Exterior - xD**

Fig. 97: Identifying Side Mudguard Claw And Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL ROCKER PANEL MOLDING COVER

- a. Engage the 2 claws and install the rocker panel molding cover.

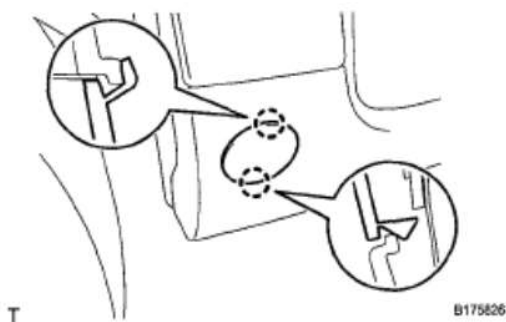
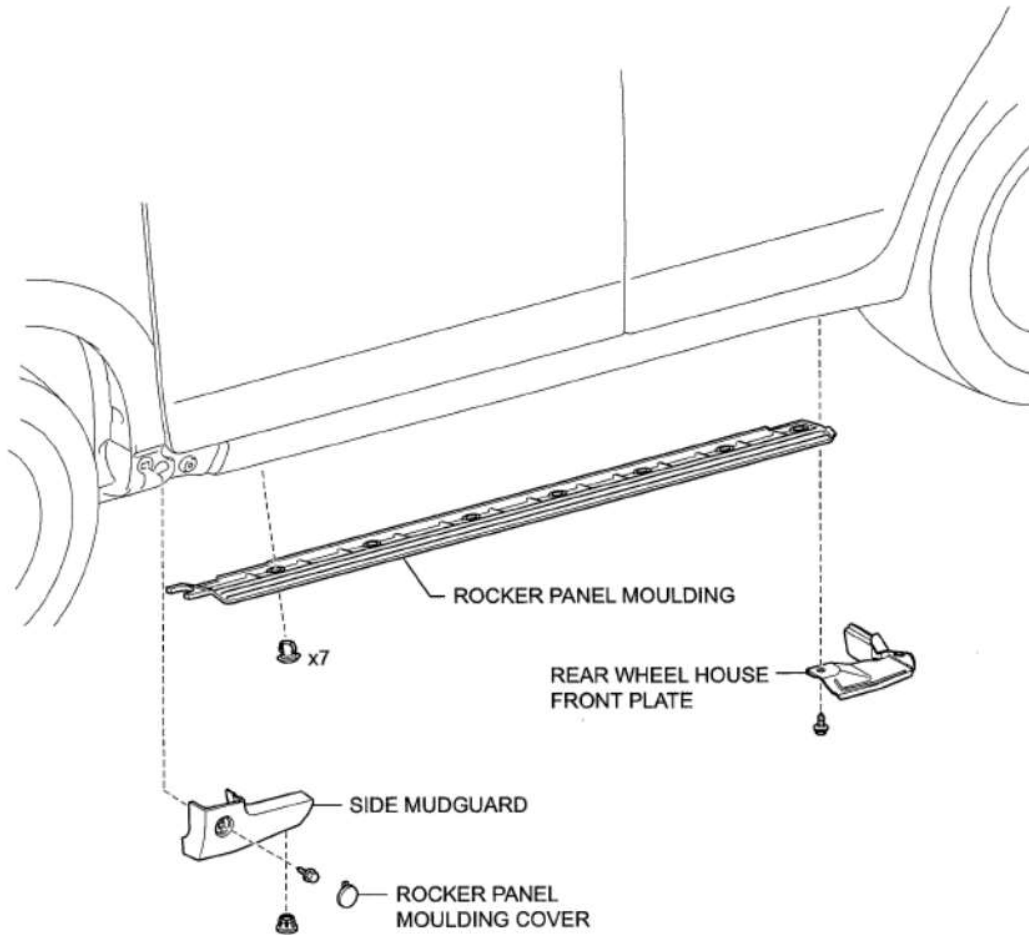


Fig. 98: Locating Rocker Panel Molding Cover Claws
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ROCKER PANEL MOLDING**COMPONENTS**

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Fig. 99: Identifying Rocker Panel Molding Components
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

HINT:

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

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1. **REMOVE ROCKER PANEL MOLDING COVER** (See REMOVAL)
2. **REMOVE SIDE MUDGUARD** (See REMOVAL)
3. **REMOVE REAR WHEEL HOUSE FRONT PLATE** (See REMOVAL)
4. **REMOVE ROCKER PANEL MOLDING**
 - a. Using a clip remover, remove the 7 retainers and rocker panel molding.

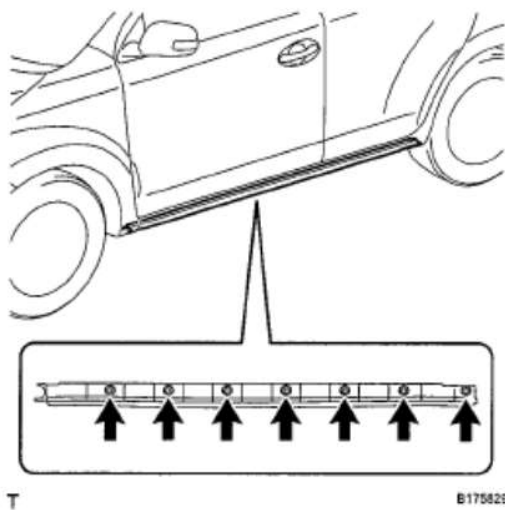
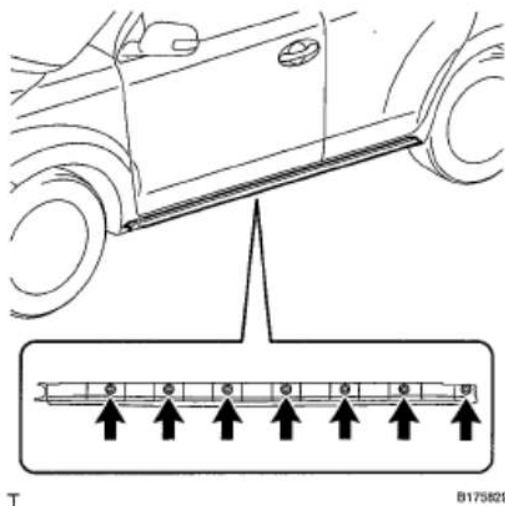


Fig. 100: Identifying Retainers And Rocker Panel Molding
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION

1. **INSTALL ROCKER PANEL MOLDING**
 - a. Install the rocker panel molding with 7 retainers.



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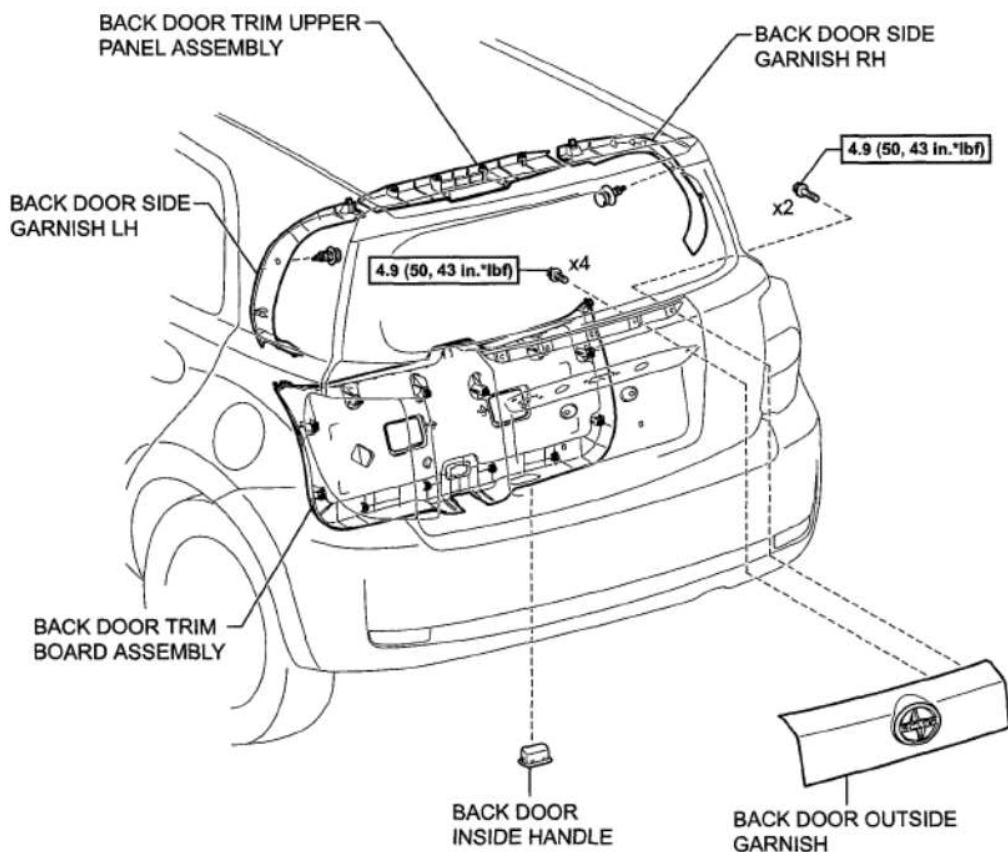
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Fig. 101: Identifying Rocker Panel Molding Retainers
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL REAR WHEEL HOUSE FRONT PLATE (See INSTALLATION)
3. INSTALL SIDE MUDGUARD (See INSTALLATION)
4. INSTALL ROCKER PANEL MOLDING COVER (See INSTALLATION)

BACK DOOR OUTSIDE GARNISH

COMPONENTS



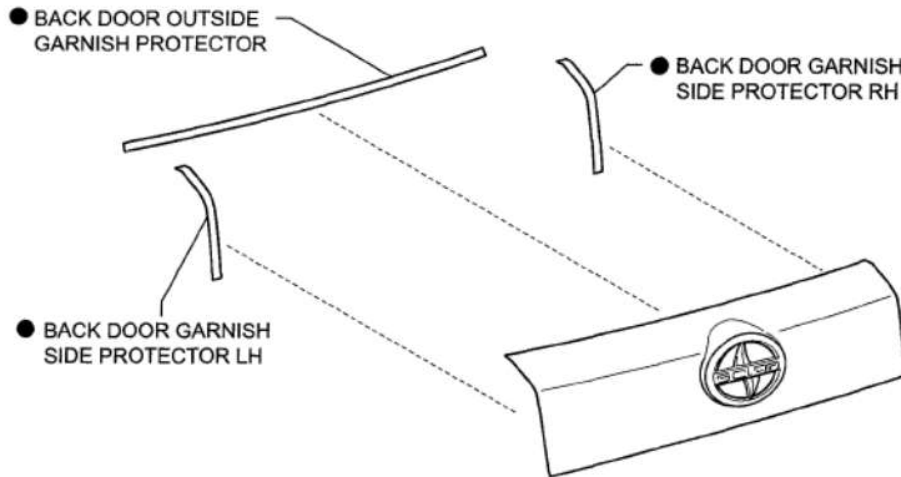
N*m (kgf*cm, ft*lbf) : Specified torque

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Fig. 102: Identifying Back Door Outside Garnish Components With Torque Specifications (1 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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● Non-reusable part

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Fig. 103: Identifying Back Door Outside Garnish Components (2 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

1. REMOVE BACK DOOR TRIM UPPER PANEL ASSEMBLY (See DISASSEMBLY)
2. REMOVE BACK DOOR SIDE GARNISH LH (See DISASSEMBLY)
3. REMOVE BACK DOOR SIDE GARNISH RH

HINT:

Use the same procedure as for the LH side.

4. REMOVE BACK DOOR INSIDE HANDLE (See DISASSEMBLY)
5. REMOVE BACK DOOR TRIM BOARD ASSEMBLY (See DISASSEMBLY)
6. REMOVE BACK DOOR OUTSIDE GARNISH
 - a. Remove the 6 bolts.

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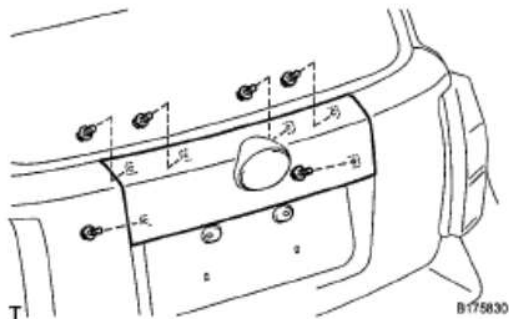


Fig. 104: Locating Back Door Outside Garnish Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Disengage the 2 clips and pin and remove the back door outside garnish.

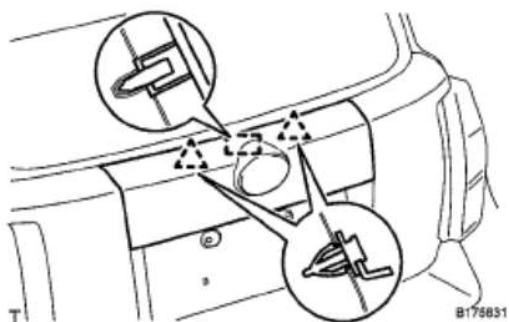


Fig. 105: Identifying Back Door Outside Garnish Clips And Pin
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

7. REMOVE BACK DOOR GARNISH SIDE PROTECTOR LH

- a. Remove the back door garnish side protector.

NOTE: Remove any tape remaining on the garnish side.



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2008 Scion xD

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Fig. 106: Identifying Back Door Garnish Side Protector
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

8. REMOVE BACK DOOR GARNISH SIDE PROTECTOR RH

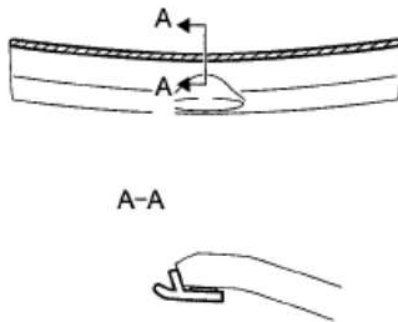
HINT:

Use the same procedure as for the LH side.

9. REMOVE BACK DOOR OUTSIDE GARNISH PROTECTOR

- a. Remove the back door outside garnish protector.

NOTE: Remove any tape remaining on the garnish side.



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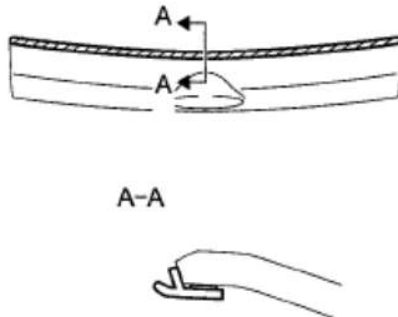
Fig. 107: Identifying Back Door Outside Garnish Protector
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION**1. INSTALL BACK DOOR OUTSIDE GARNISH PROTECTOR**

- a. Wipe off any tape adhesive residue with cleaner.
- b. Remove the release paper from the back door outside garnish protector.
- c. Install the new back door outside garnish protector to the back door outside garnish.

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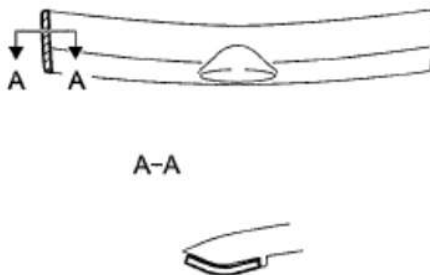
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Fig. 108: Identifying Back Door Outside Garnish Protector
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

2. INSTALL BACK DOOR GARNISH SIDE PROTECTOR LH

- Wipe off any tape adhesive residue with cleaner.
- Remove the release paper from the back door garnish side protector.
- Install the new back door garnish side protector to the back door garnish.



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Fig. 109: Identifying Back Door Garnish Side Protector
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

3. INSTALL BACK DOOR GARNISH SIDE PROTECTOR RH

HINT:

Use the same procedure as for the LH side.

4. INSTALL BACK DOOR OUTSIDE GARNISH

- Engage the 2 clips, pin and install the back door outside garnish.

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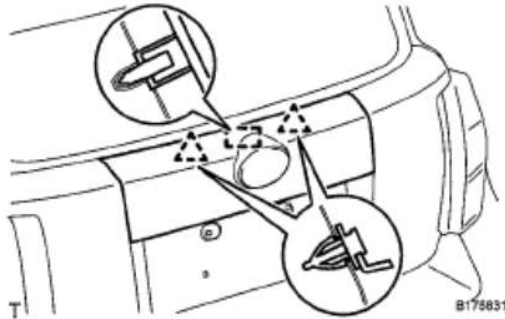


Fig. 110: Identifying Back Door Outside Garnish Clips And Pin
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Tighten the 6 bolts.

Torque: 4.9 N*m (50 kgf*cm, 43 in.*lbf)

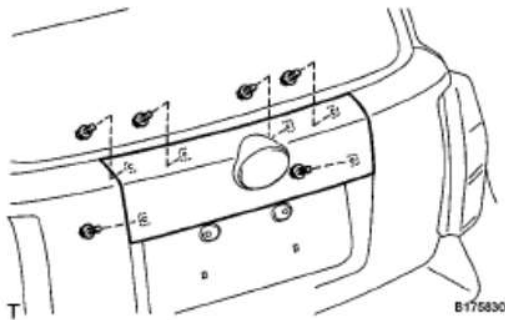


Fig. 111: Identifying Bolts
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

5. **INSTALL BACK DOOR TRIM BOARD ASSEMBLY** (See REASSEMBLY)
6. **INSTALL BACK DOOR INSIDE HANDLE** (See REASSEMBLY)
7. **INSTALL BACK DOOR SIDE GARNISH LH** (See REASSEMBLY)
8. **INSTALL BACK DOOR SIDE GARNISH RH**

HINT:

Use the same procedure as for the LH side.

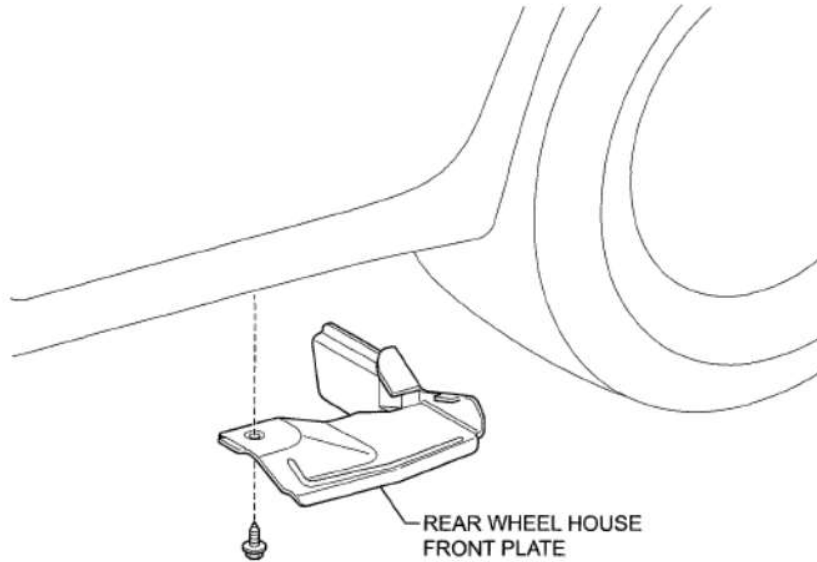
9. **INSTALL BACK DOOR TRIM UPPER PANEL ASSEMBLY** (See REASSEMBLY)

REAR WHEEL HOUSE PLATE

COMPONENTS

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Fig. 112: Identifying Rear Wheel House Plate Components
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

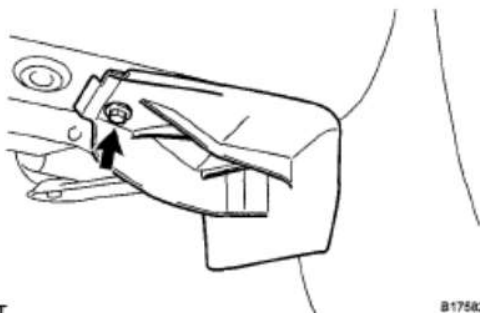
REMOVAL

HINT:

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

1. REMOVE REAR WHEEL HOUSE FRONT PLATE

- a. Remove the screw and the rear wheel house plate.



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Fig. 113: Locating Rear Wheel House Plate Screw

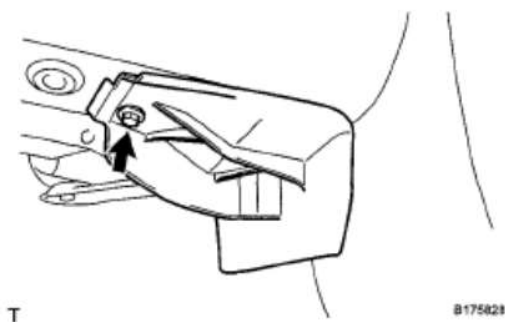
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Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSTALLATION**1. INSTALL REAR WHEEL HOUSE FRONT PLATE**

- a. Install the rear wheel house plate with the screw.

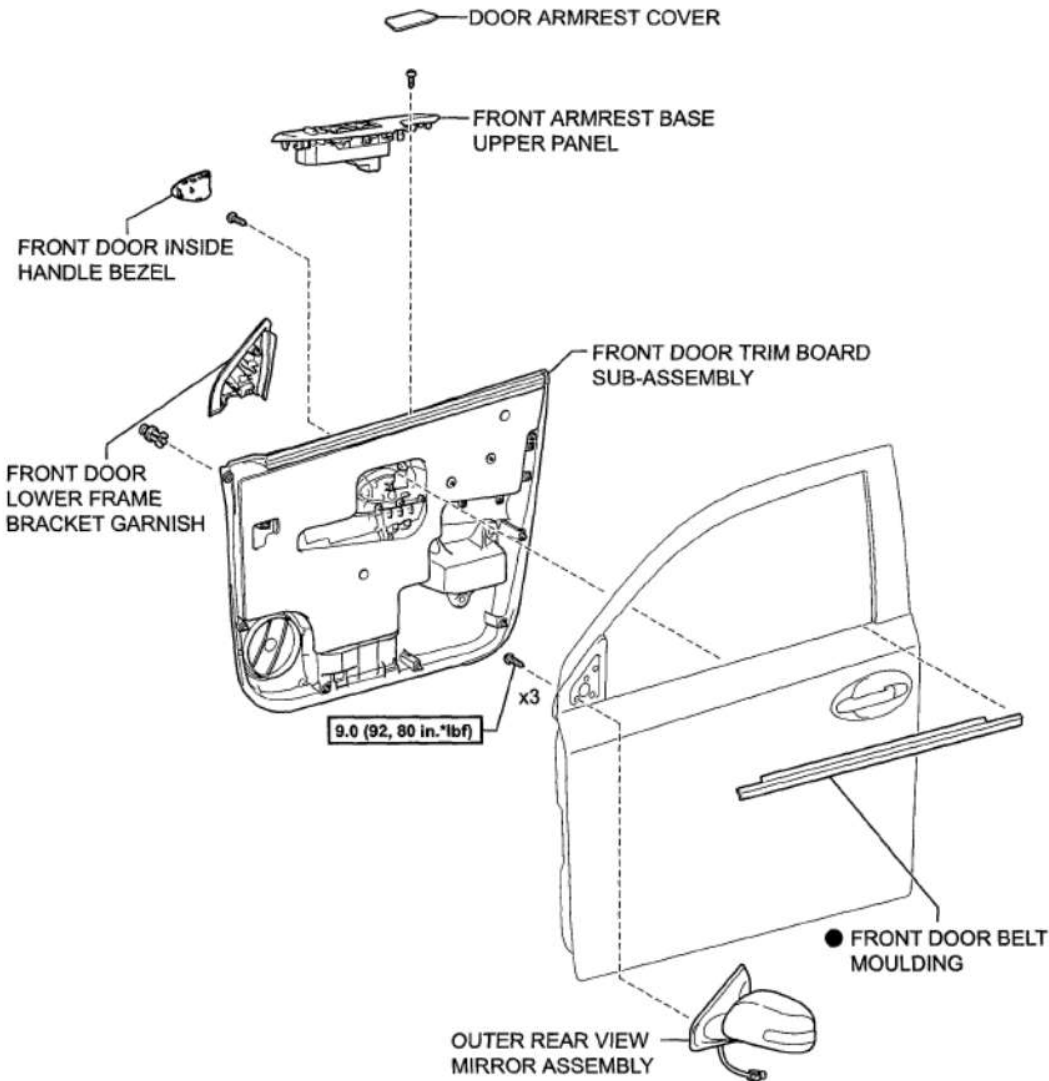
**Fig. 114: Locating Rear Wheel House Plate Screw**

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

FRONT DOOR BLACK OUT TAPE**COMPONENTS**

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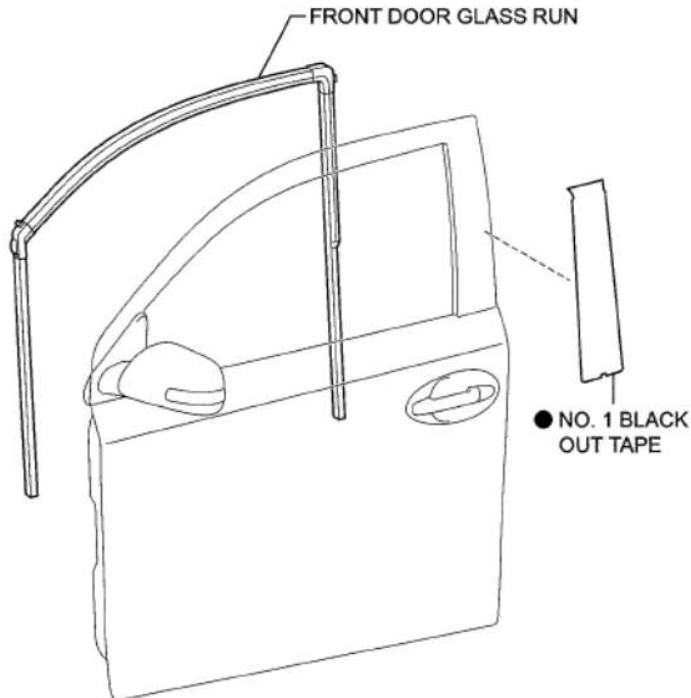
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Fig. 115: Identifying Front Door Black Out Tape Components With Torque Specification (1 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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Fig. 116: Identifying Front Door Black Out Tape Components (2 Of 2)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

HINT:

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

1. REMOVE FRONT ARMREST BASE UPPER PANEL

HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).

2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH

HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).

3. REMOVE FRONT DOOR INSIDE HANDLE BEZEL

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HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).

4. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY

HINT:

Use the same procedure as for the RH side (see **DISASSEMBLY**).

5. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY (See **REMOVAL)****6. REMOVE FRONT DOOR BELT MOLDING (See **REMOVAL**)****7. REMOVE FRONT DOOR GLASS RUN**

HINT:

Use the same procedure as for the RH side (see **DISASSEMBLY**).

8. REMOVE NO. 1 BLACK OUT TAPE

- a. Using an infrared light, heat the No. 1 black out tape.

CAUTION: Do not burn yourself on the hot front door panel or with the infrared light.

HINT:

Heat at 40 to 60°C (104 to 140°F) for 3 to 5 minutes.

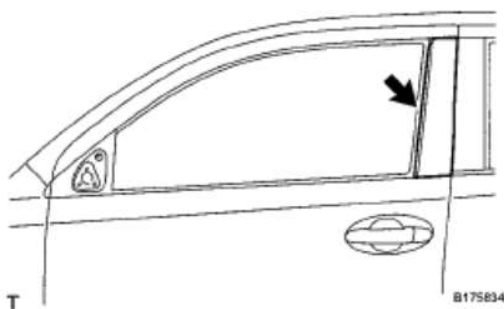


Fig. 117: Locating No. 1 Black Out Tape
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Lift the end portion with your nail and peel it parallel to the attachment surface.

INSTALLATION

2008 Scion xD**2008 ACCESSORIES AND EQUIPMENT Exterior - xD****1. INSTALL NO. 1 BLACK OUT TAPE****a. Application precautions.****1. Application temperature.**

1. If the temperature is below 15°C (59°F), using an infrared light, heat the base (body attachment surface) and black out tape up to between 20 and 30°C (68 and 86°F). If the temperature is over 35°C (95°F), perform the operation after lowering the temperature to below 35°C (95°F).

HINT:

- The most suitable temperature for applying the black out tape is 25°C (77°F).
- The black out tape cannot be applied correctly at low temperatures due to its stiffness and weak adhesion. The tape loses its consistency at high temperature.

2. Pre-application procedure.

1. Any uneven twisting or dust on the base (body attachment surface) causes a defective appearance due to air being trapped under the black out tape during application. Make sure there is no uneven twisting or dust on or around the base or black out tape.

HINT:

When the air is dry in winter, put cardboard between the pieces of black out tape and keep them in a dry flat place.

3. Handling.

1. Keep the black out tape in a dry flat level place because it is easily deformed.

NOTE: Do not fold, bend or expose the tape to high temperatures.

4. Application method (Method of squeegee operation and application for general portions).**NOTE:**

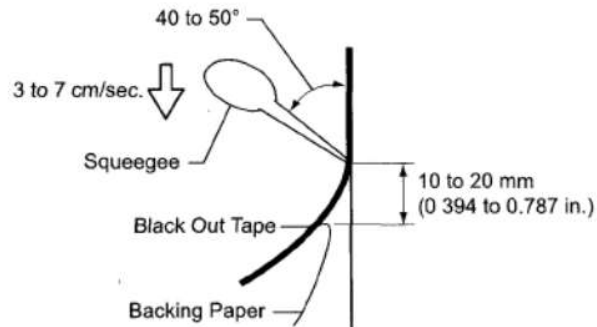
- The positioning accuracy must be within 1 mm (0.039 in.) when starting the application, otherwise, poor appearance and adhesion will result.
- Do not reuse black out tape that has been removed. It causes deformation and weak adhesion.

1. In order to suppress bubble formation, slightly raise the portion not being pressed by the squeegee away from the base. Tilt the squeegee between 40 and 50° (in the pushing direction) and between 30 and 45° (in the pulling direction), and apply 20 to 30 N (2 to 3 kg, 4 to 6 lb) of pressure at a velocity of 3 to 7 cm/sec, while pushing out the air.

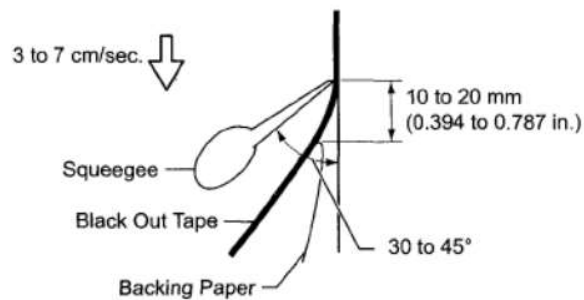
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Pushing Direction:



Pulling Direction:



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Fig. 118: Identifying Pulling And Pushing Direction Of Black Out Tape
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

NOTE: While using the squeegee, do not change the speed, stop the operation or change the force of the application. Doing so could cause a streak across the surface of the black out tape called a shock line. While using the squeegee, keep the speed and force of application constant and the angle correct.

HINT.

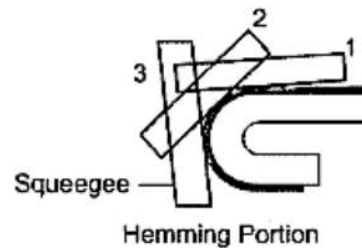
- The squeegee can be tilted in either the pushing direction or in the pulling direction against the attachment portion.
 - Perform the procedure while peeling the backing paper off the black out tape, 10 to 20 mm (0.394 to 0.787 in.) from the end of the squeegee.
5. Application method (Method of squeegee operation).
1. If the tape cannot be pressed in one step using the squeegee, perform the application in several steps. Using your finger or a thicker part of the squeegee, gradually apply the tape to the rounded hemming portion in 2 or 3 steps.

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HINT:

Peel off the backing paper at the hemming portion and apply the black out tape with your finger or a thicker part of the squeegee.



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Fig. 119: Application Method (Method Of Squeegee Operation)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

6. Application method (Method of squeegee operation and application method for corner sections).
 1. Carefully apply the tape using a finger after peeling the backing paper off the corner section.
 2. In order to prevent appearance deterioration caused by the tape pin angle, turn in the tape at the corner after heating the black out tape with a dryer.
7. Inspection.
 1. If the black out tape is not smooth, repeat the application using new black out tape.

NOTE: Do not use a needle to remove bubbles in any glazed tape being applied to the outer panel, in order to prevent scratches.

HINT:

Use an instant adhesive if the hemming or corner portions of the black out tape are partially peeled off.

- b. Clean the attachment surface (Using an infrared light).
 1. Using an infrared light, heat any black out tape and adhesive remaining on the body.

CAUTION: Do not burn yourself on the hot front door panel or with the infrared light.

2. Using a piece of cloth, rub the remaining black out tape and adhesive off the body.
 3. Using a non-residue solvent, clean the attachment surface.
- c. Clean the attachment surface (Using a tape removal disc).

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1. Set the 8 discs in the holder and insert the removal disc into an air drill or electric drill.

NOTE: Use an electric drill of which the no-load operation is 2,000 to 3,000 rpm.

2. Using a tape removal disc, rub the remaining black out tape and adhesive off the body.

NOTE:

- Wear protective glasses during the operation.
- Rotate and operate the disc in the correct direction.
- Visually check that the cutting portion is not damaged while rubbing the remaining black out tape and adhesive off the body.

3. Using a non-residue solvent, clean the attachment surface.

d. Apply new No. 1 black out tape to the positions shown in the illustration.

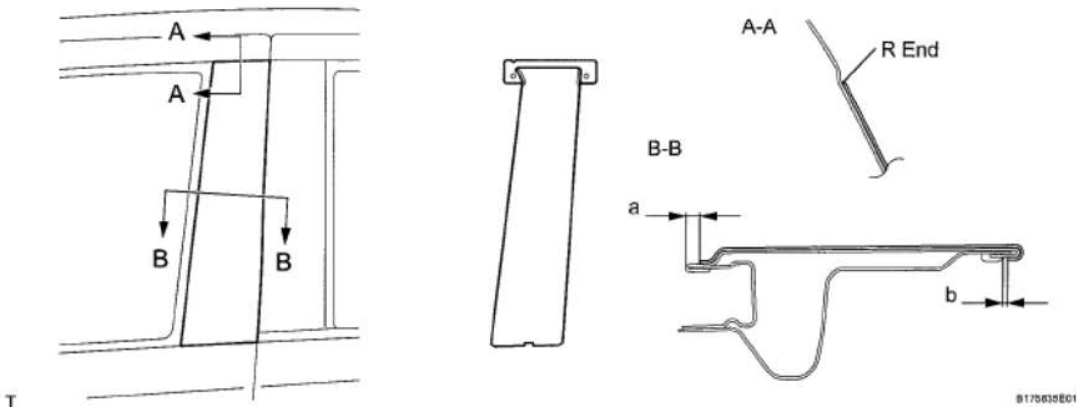


Fig. 120: Identifying No. 1 Black Out Tape Positions
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Installation position

BLACK OUT TAPE INSTALLATION POSITION

Mark	Measurement
a	4.0 mm (0.157 in.)
b	1.0 or less mm (0.039 in.)

2. INSTALL FRONT DOOR GLASS RUN

HINT:

Use the same procedure as for the RH side (See **REASSEMBLY**).

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3. **INSTALL FRONT DOOR BELT MOLDING** (See INSTALLATION)
4. **INSTALL OUTER REAR VIEW MIRROR ASSEMBLY** (See INSTALLATION)
5. **INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY**

HINT:

Use the same procedure as for the RH side (See REASSEMBLY).

6. **INSTALL FRONT DOOR INSIDE HANDLE BEZEL**

HINT:

Use the same procedure as for the RH side (See REASSEMBLY).

7. **INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH**

HINT:

Use the same procedure as for the RH side (See REASSEMBLY).

8. **INSTALL FRONT ARMREST BASE UPPER PANEL**

HINT:

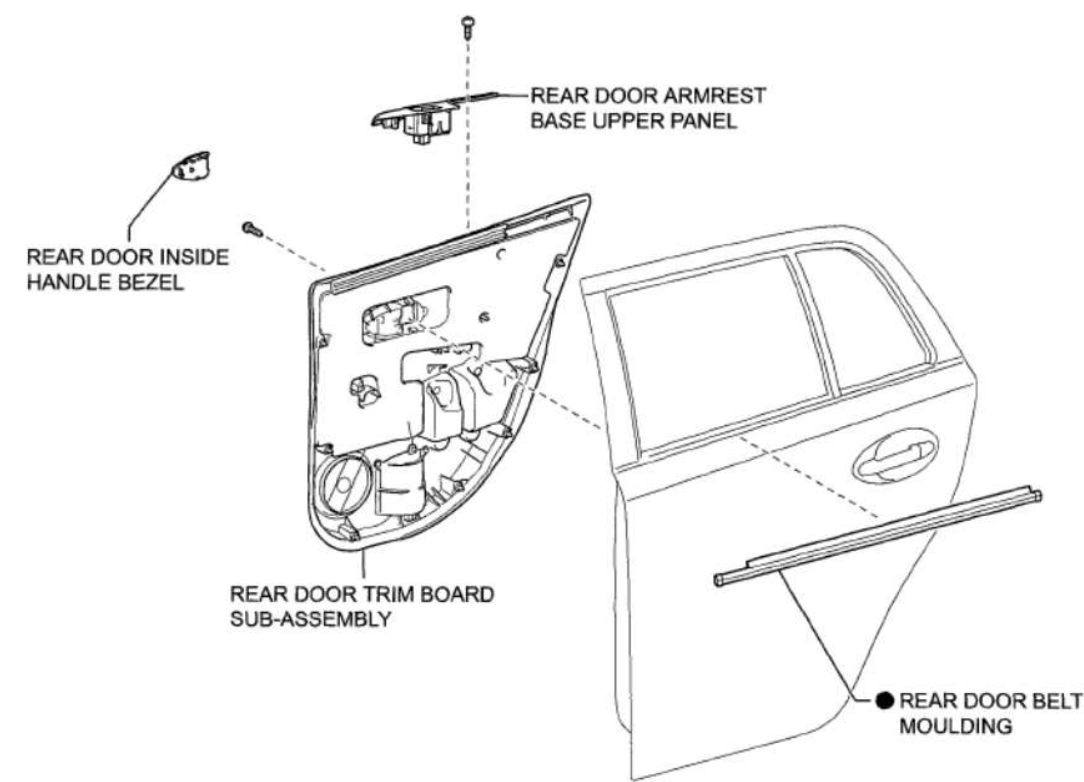
Use the same procedure as for the RH side (See REASSEMBLY).

REAR DOOR BLACK OUT TAPE

COMPONENTS

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● Non-reusable part

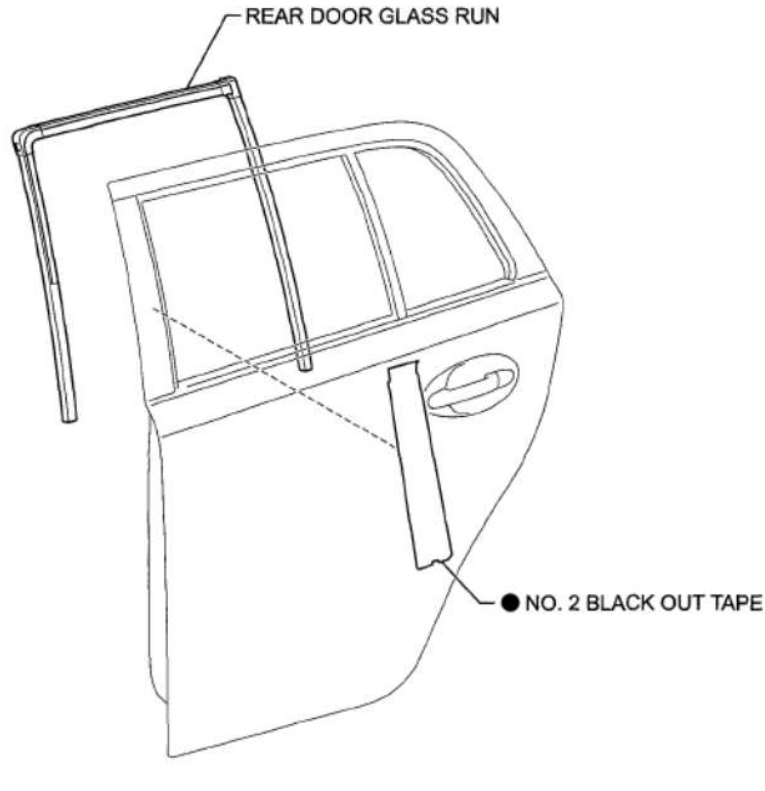
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Fig. 121: Identifying Rear Door Black Out Tape Components (1 Of 2)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

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Fig. 122: Identifying Rear Door Black Out Tape Components (2 Of 2)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

HINT:

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

1. REMOVE REAR DOOR ARMREST BASE UPPER PANEL

HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).

2. REMOVE REAR DOOR INSIDE HANDLE BEZEL

HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).

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3. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY

HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).**4. REMOVE REAR DOOR BELT MOLDING (See **REMOVAL**)****5. REMOVE REAR DOOR GLASS RUN**

HINT:

Use the same procedure as for the RH side (See **DISASSEMBLY**).**6. REMOVE NO. 2 BLACK OUT TAPE**

- a. Using an infrared light, heat the No. 2 black out tape.

CAUTION: Do not burn yourself on the hot rear door panel or with the infrared light.

HINT:

Heat at 40 to 60°C (104 to 140°F) for 3 to 5 minutes.

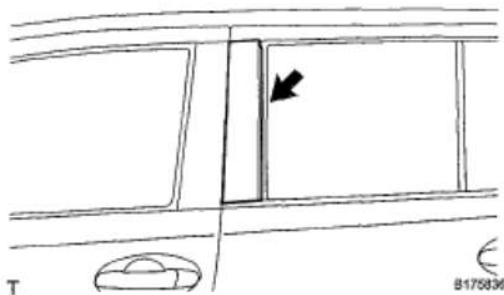


Fig. 123: Locating No. 2 Black Out Tape
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Lift the end portion with your nail and peel it parallel to the attachment surface.

INSTALLATION**1. INSTALL NO. 2 BLACK OUT TAPE**

- a. Application precautions (see **INSTALLATION**).
- b. Clean the attachment surface (Using an infrared light) (see **INSTALLATION**).
- c. Clean the attachment surface (Using a tape removal disc) (see **INSTALLATION**).
- d. Apply new No. 2 black out tape to the positions shown in the illustration.

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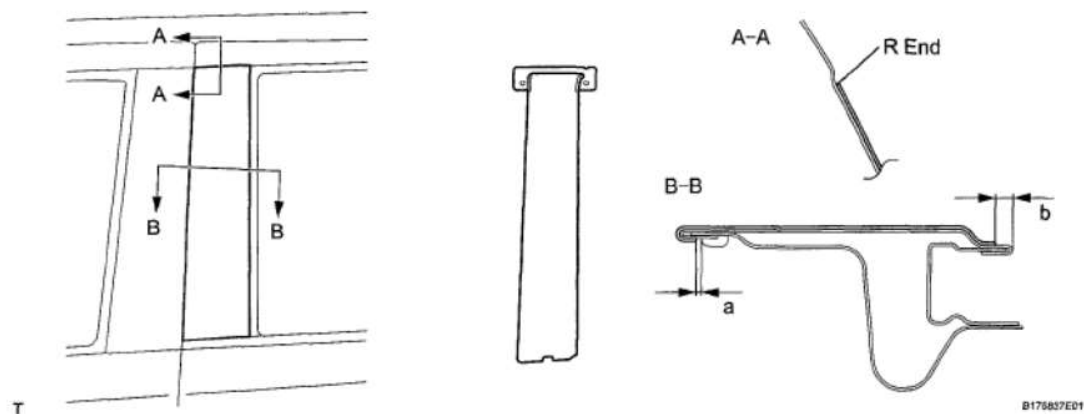


Fig. 124: Identifying No. 2 Black Out Tape Positions
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Installation position

BLACK OUT TAPE INSTALLATION POSITION

Mark	Measurement
a	1.0 or less (0.039 or less in.)
b	4.0 mm (0.157 in.)

2. INSTALL REAR DOOR GLASS RUN

HINT:

Use the same procedure as for the RH side (See **REASSEMBLY**).

3. INSTALL REAR DOOR BELT MOLDING (See **INSTALLATION)**

4. INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY

HINT:

Use the same procedure as for the RH side (See **REASSEMBLY**).

5. INSTALL REAR DOOR INSIDE HANDLE BEZEL

HINT:

Use the same procedure as for the RH side (See **REASSEMBLY**).

6. INSTALL REAR DOOR ARMREST BASE UPPER PANEL

HINT:

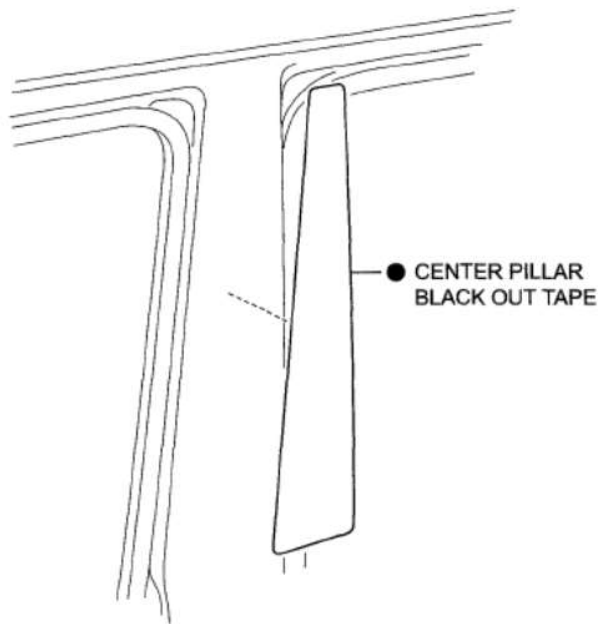
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Use the same procedure as for the RH side (See **REASSEMBLY**).

CENTER PILLAR BLACK OUT TAPE

COMPONENTS



● Non-reusable part

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Fig. 125: Identifying Center Pillar Black Out Tape Components
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

HINT:

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

1. REMOVE CENTER PILLAR BLACK OUT TAPE

- Using an infrared light, heat the black out tape.

NOTE: Do not burn yourself on the hot body or with the infrared light.

HINT:

Heat at 40 to 60°C (104 to 140°F) for 3 to 5 minutes.

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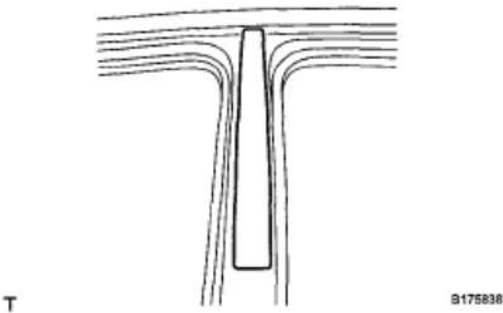


Fig. 126: Identifying Center Pillar Black Out Tape
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Lift the end portion with your nail and peel it parallel to the attachment surface.

INSTALLATION

1. INSTALL CENTER PILLAR BLACK OUT TAPE

- a. Application precautions (see **INSTALLATION**).
- b. Clean the attachment surface (using an infrared light) (see **INSTALLATION**).
- c. Clean the attachment surface (using a tape removal disc) (see **INSTALLATION**).
- d. Apply new black out tape to the positions shown in the illustration.

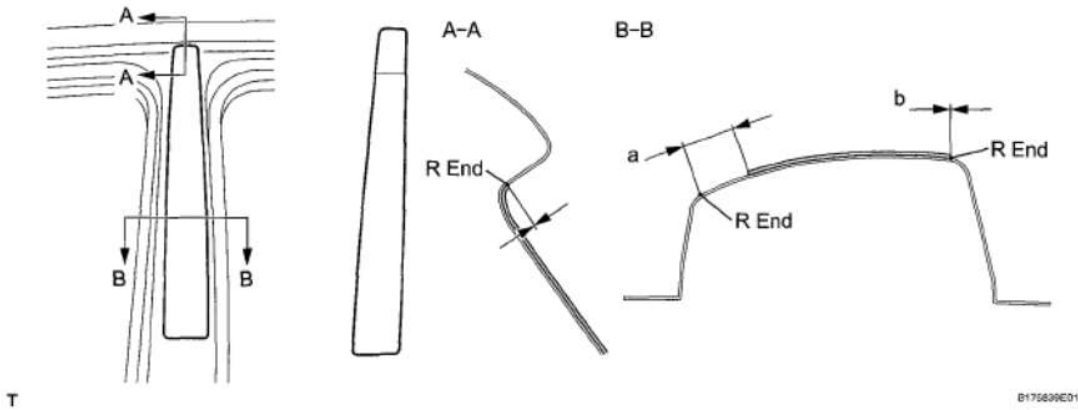


Fig. 127: Identifying Black Out Tape Positions
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Installation position

BLACK OUT TAPE INSTALLATION POSITION

Mark	Measurement (along surface)
a	13.7 mm (0.539 in.)
b	0 mm (0 in.)