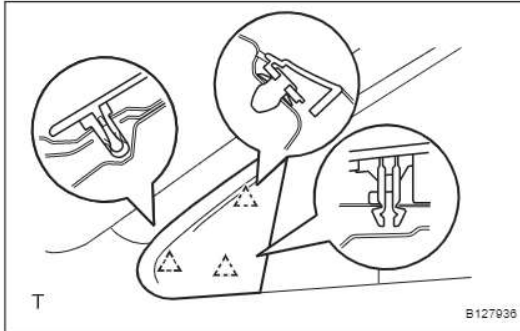


EXTERIOR – FRONT PILLAR UPPER COVER**ET-49****INSTALLATION****HINT:**

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

1. INSTALL FRONT PILLAR COVER SUB-ASSEMBLY UPPER LH

- (a) Attach the 3 clips to install the pillar cover.

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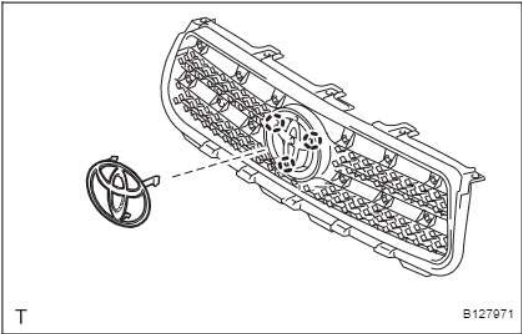
REASSEMBLY

HINT:
When installing the ornament plate and emblem, heat the radiator grille, ornament plate and emblem using a heat light.
Standard heating temperature

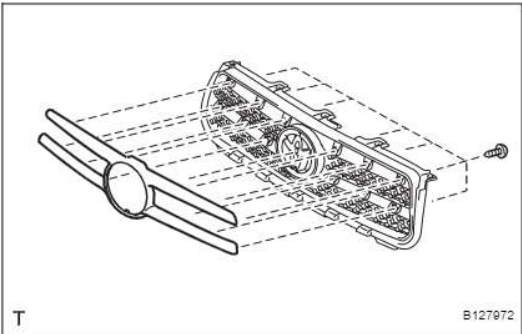
Item	Specified Condition
Emblem base, emblem	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the emblem base and emblem excessively.

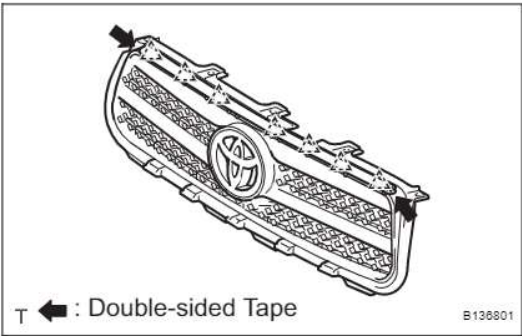
1. **INSTALL RADIATOR GRILLE EMBLEM**
(a) Attach the 4 claws to install the radiator grille.



2. **INSTALL RADIATOR GRILLE ORNAMENT PLATE (for Separate Type)**
(a) Install the ornament plate with the 12 screws.



3. **INSTALL HOOD TO RADIATOR GRILLE SEAL**
(a) Install the new double-side tape.
(b) Attach the 7 clips and install the hood to radiator grille seal.



INSTALLATION

1. INSTALL NO. 2 RADIATOR GRILLE LOWER (See page [ET-9](#))
2. INSTALL NO. 1 RADIATOR GRILLE LOWER (See page [ET-9](#))
3. INSTALL RADIATOR GRILLE (See page [ET-10](#))

ET

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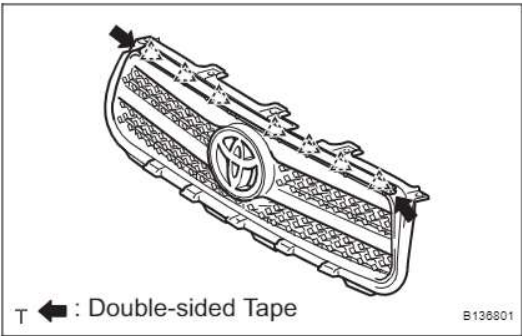
DISASSEMBLY

HINT:
When removing the ornament plate and emblem, heat the radiator grille, ornament plate and emblem using a heat light.
Standard heating temperature

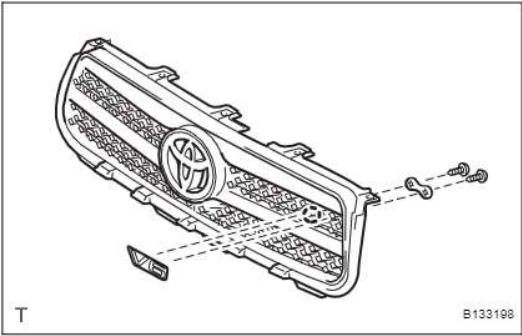
Item	Specified Condition
Radiator grille, ornament plate, emblem	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the radiator grille, ornament plate and emblem excessively.

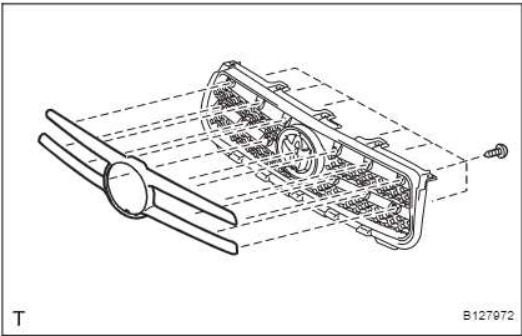
1. REMOVE HOOD TO RADIATOR GRILLE SEAL
- (a) Remove the double-sided tape.
- (b) Detach the 7 clips and remove the hood to radiator grille seal.

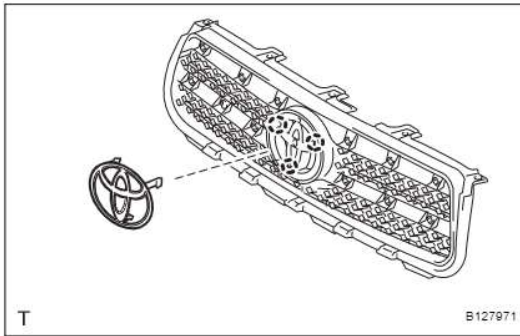


2. REMOVE NO. 2 RADIATOR GRILLE EMBLEM
- (a) Remove the 2 screws.
- (b) Detach the claw and remove the emblem.



3. REMOVE RADIATOR GRILLE ORNAMENT PLATE (for Separate Type)
- (a) Remove the 12 screws and ornament plate.



EXTERIOR – RADIATOR GRILLE (for 2GR-FE)**ET-25****4. REMOVE RADIATOR GRILLE EMBLEM**

- (a) Using a screwdriver, detach the 3 claws and remove the emblem from the radiator grille.

HINT:

Tape the screwdriver tip before use.

NOTICE:

- If reusing the emblem, take care not to damage the emblem.
- Be careful not to damage the emblem base.

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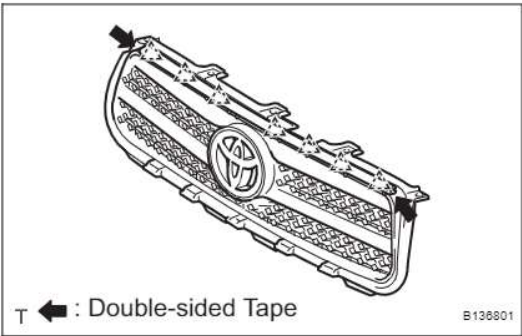
DISASSEMBLY

HINT:
When removing the ornament plate and emblem, heat the radiator grille, ornament plate and emblem using a heat light.
Standard heating temperature

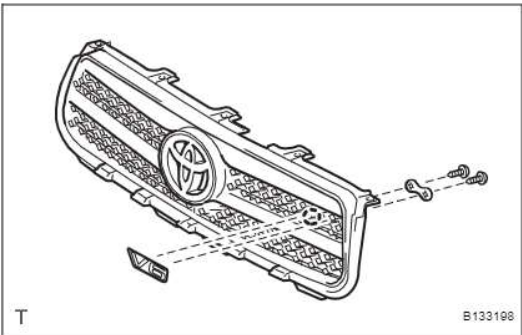
Item	Specified Condition
Radiator grille, ornament plate, emblem	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the radiator grille, ornament plate and emblem excessively.

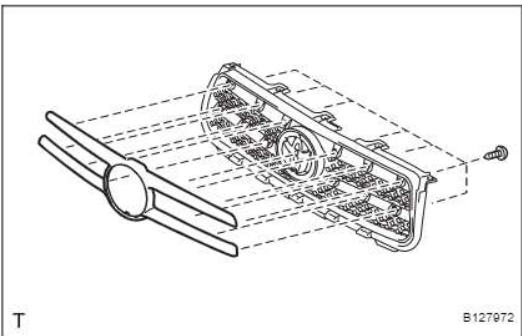
1. REMOVE HOOD TO RADIATOR GRILLE SEAL
- (a) Remove the double-sided tape.
 - (b) Detach the 7 clips and remove the hood to radiator grille seal.

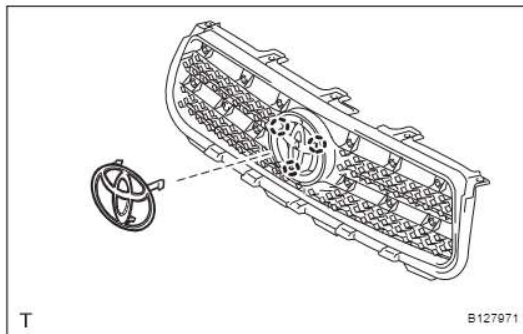


2. REMOVE NO. 2 RADIATOR GRILLE EMBLEM
- (a) Remove the 2 screws.
 - (b) Detach the claw and remove the emblem.



3. REMOVE RADIATOR GRILLE ORNAMENT PLATE (for Separate Type)
- (a) Remove the 12 screws and ornament plate.



EXTERIOR – RADIATOR GRILLE (for 2GR-FE)**ET-25****4. REMOVE RADIATOR GRILLE EMBLEM**

- (a) Using a screwdriver, detach the 3 claws and remove the emblem from the radiator grille.

HINT:

Tape the screwdriver tip before use.

NOTICE:

- If reusing the emblem, take care not to damage the emblem.
- Be careful not to damage the emblem base.

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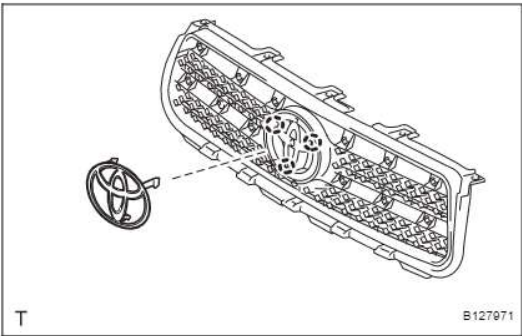
REASSEMBLY

HINT:
When installing the ornament plate and emblem, heat the radiator grille, ornament plate and emblem using a heat light.
Standard heating temperature

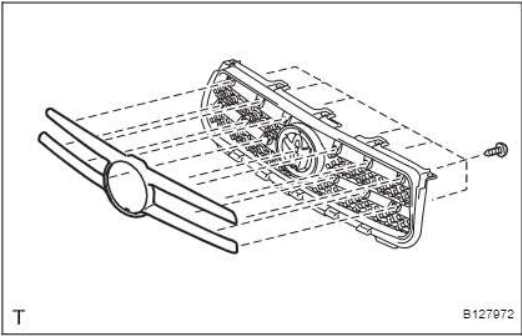
Item	Specified Condition
Radiator grille, Ornament plate, emblem	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the radiator grille, ornament plate and emblem excessively.

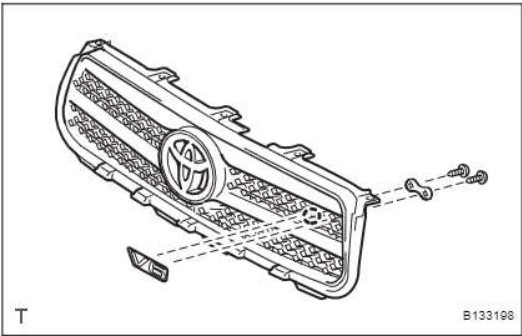
1. INSTALL RADIATOR GRILLE EMBLEM
- (a) Attach the 3 claws to install the emblem.

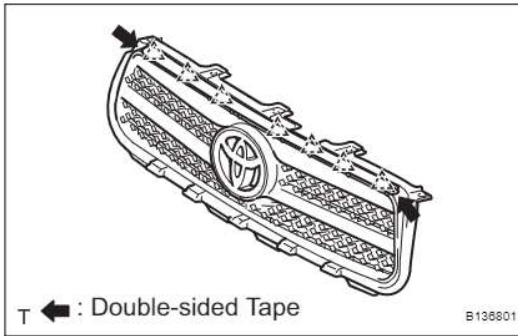


2. INSTALL RADIATOR GRILLE ORNAMENT PLATE (for Separate Type)
- (a) Install the ornament plate with the 12 screws.



3. INSTALL NO. 2 RADIATOR GRILLE EMBLEM
- (a) Attach the claw to install the emblem.
- (b) Install the 2 screws.

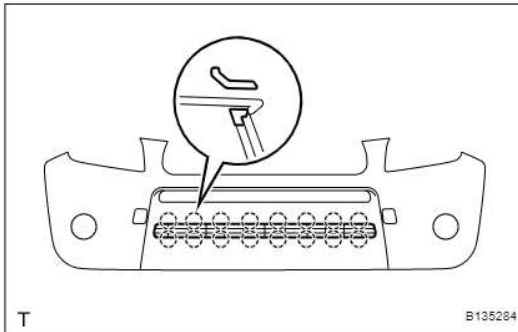


EXTERIOR – RADIATOR GRILLE (for 2GR-FE)**ET-27****4. INSTALL HOOD TO RADIATOR GRILLE SEAL**

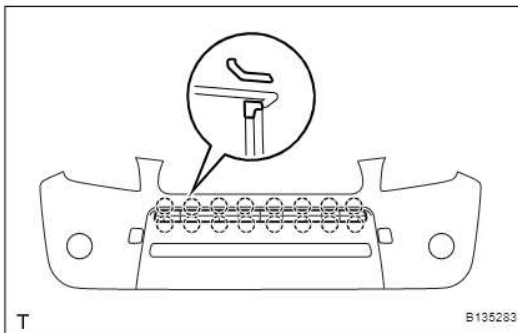
- (a) Install new double-sided tape.
- (b) Attach the 7 clips and install the hood to radiator grille seal.

INSTALLATION**1. INSTALL NO. 2 RADIATOR GRILLE LOWER**

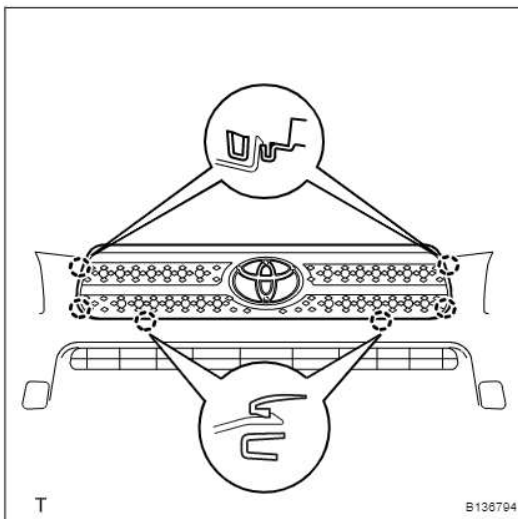
- (a) Install the radiator grille and attach the 16 claws.

**2. INSTALL NO. 1 RADIATOR GRILLE LOWER**

- (a) Install the radiator grille and attach the 16 claws.

**3. INSTALL RADIATOR GRILLE**

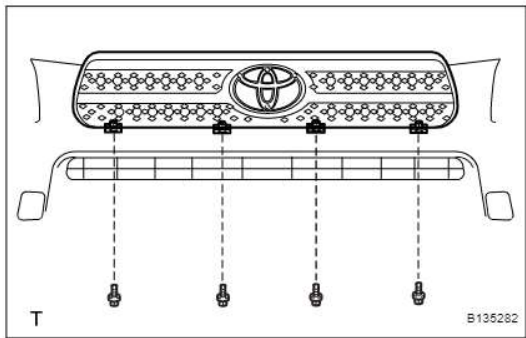
- (a) Install the radiator grille with the 6 claws.

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EXTERIOR – RADIATOR GRILLE (for 2GR-FE)



(b) Install the 4 bolts and 4 nuts.

ET

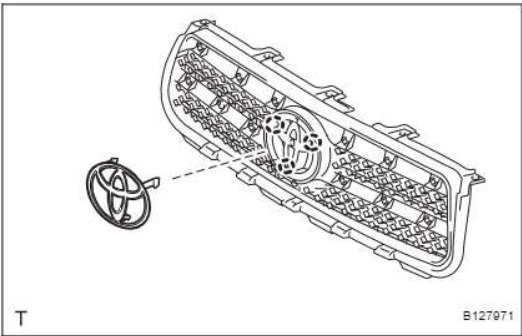
REASSEMBLY

HINT:
When installing the ornament plate and emblem, heat the radiator grille, ornament plate and emblem using a heat light.
Standard heating temperature

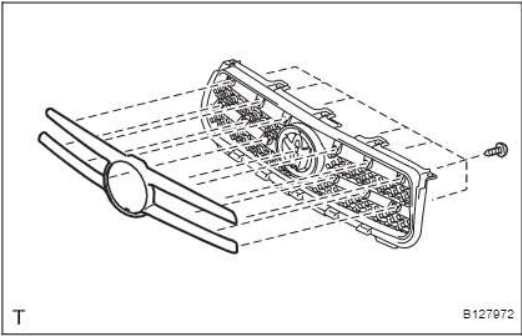
Item	Specified Condition
Radiator grille, Ornament plate, emblem	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the radiator grille, ornament plate and emblem excessively.

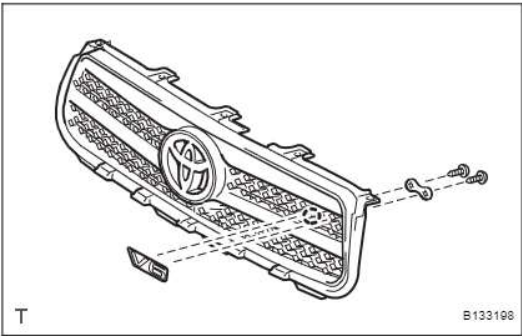
1. INSTALL RADIATOR GRILLE EMBLEM
- (a) Attach the 3 claws to install the emblem.



2. INSTALL RADIATOR GRILLE ORNAMENT PLATE (for Separate Type)
- (a) Install the ornament plate with the 12 screws.



3. INSTALL NO. 2 RADIATOR GRILLE EMBLEM
- (a) Attach the claw to install the emblem.
- (b) Install the 2 screws.

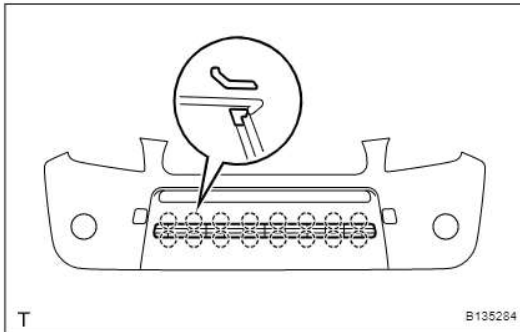


EXTERIOR – RADIATOR GRILLE (for 2GR-FE)**ET-27****4. INSTALL HOOD TO RADIATOR GRILLE SEAL**

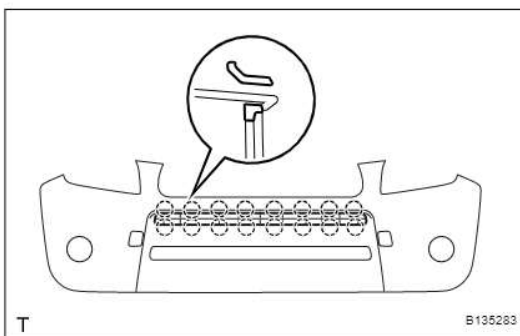
- (a) Install new double-sided tape.
- (b) Attach the 7 clips and install the hood to radiator grille seal.

INSTALLATION**1. INSTALL NO. 2 RADIATOR GRILLE LOWER**

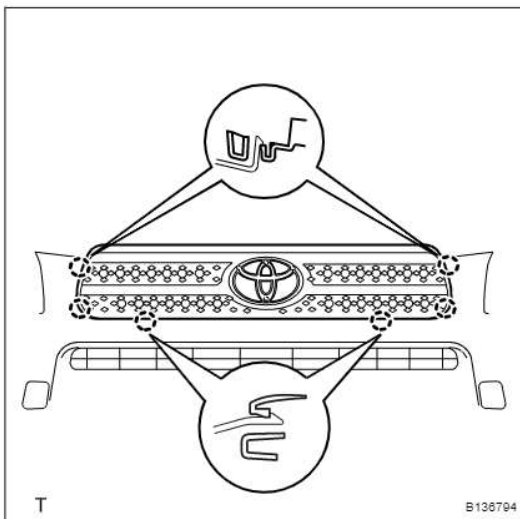
- (a) Install the radiator grille and attach the 16 claws.

**2. INSTALL NO. 1 RADIATOR GRILLE LOWER**

- (a) Install the radiator grille and attach the 16 claws.

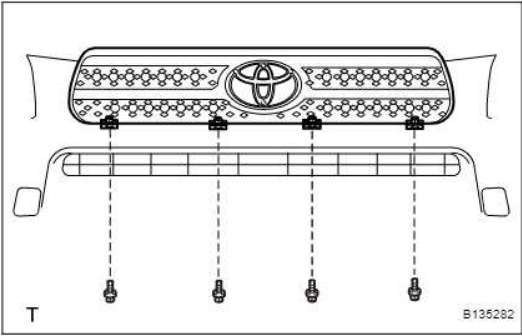
**3. INSTALL RADIATOR GRILLE**

- (a) Install the radiator grille with the 6 claws.



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EXTERIOR – RADIATOR GRILLE (for 2GR-FE)



(b) Install the 4 bolts and 4 nuts.

ET

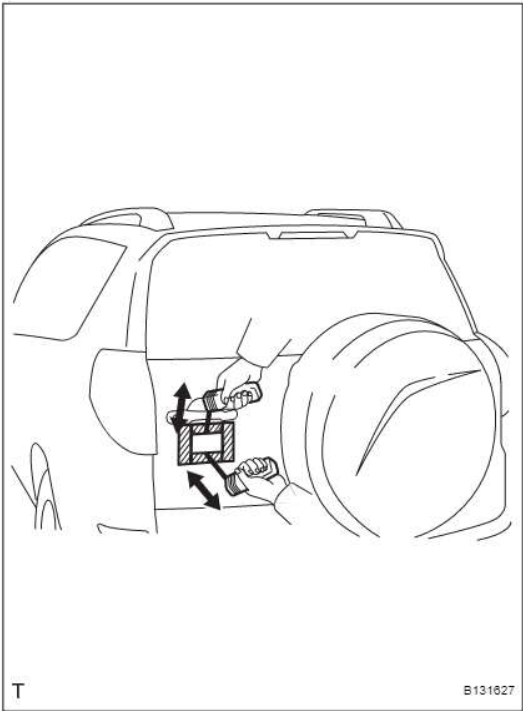
REMOVAL

NOTICE:
Do not heat the vehicle body, emblem and name plate excessively.

HINT:
When removing the emblem and name plate, heat the vehicle body, emblem and name plate using a heat light.

Standard heating temperature

Item	Specified Condition
Vehicle body	40 to 60°C (104 to 140°F)
Name plate	20 to 30°C (68 to 86°F)



- 1. REMOVE NO. 1 BACK DOOR EMBLEM ASSEMBLY**
- (a) Put protective tape around the emblem.
 - (b) Insert a piano wire between the vehicle body and emblem.
 - (c) Tie objects that can serve as handles (for example, wooden blocks) to both wire ends.
 - (d) Pull the piano wire and scrape off the double-sided tape that holds the emblem to the vehicle body.
- NOTICE:**
- If reusing the emblem, take care not to damage the emblem.
 - Be careful not to damage the vehicle body.

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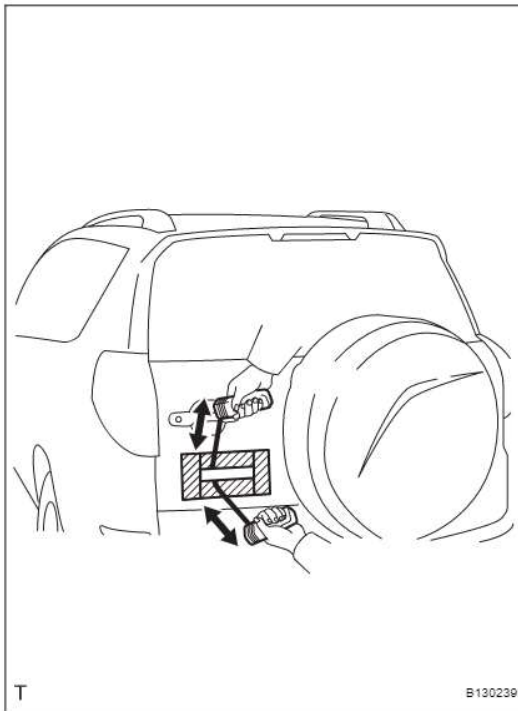
EXTERIOR – NAME PLATE

**2. REMOVE BACK DOOR NAME PLATE**

- (a) Put protective tape around the name plate.
- (b) Insert a piano wire between the vehicle body and name plate.
- (c) Tie objects that can serve as handles (for example, wooden blocks) to both wire ends.
- (d) Pull the piano wire and scrape off the double-sided tape that holds the name plate to the vehicle body.

NOTICE:

- If reusing the name plate, take care not to damage the name plate.
- Be careful not to damage the vehicle body.

**3. REMOVE NO. 1 BACK DOOR EMBLEM**

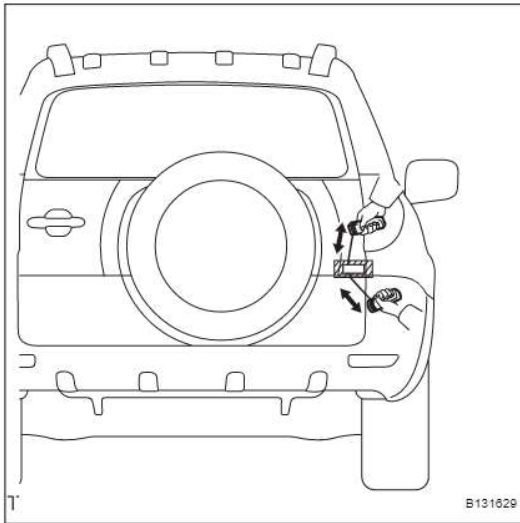
- (a) Put protective tape around the emblem.
- (b) Insert a piano wire between the vehicle body and emblem.
- (c) Tie objects that can serve as handles (for example, wooden blocks) to both wire ends.
- (d) Pull the piano wire and scrape off the double-sided tape that holds the emblem to the vehicle body.

NOTICE:

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

EXTERIOR – NAME PLATE

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**4. REMOVE NO. 4 BACK DOOR NAME PLATE (for 4WD)**

- Put protective tape around the name plate.
- Insert a piano wire between the vehicle body and 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 name plate to the vehicle body.

NOTICE:

- If reusing the name plate, take care not to damage the name plate.
- Be careful not to damage the vehicle body.

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EXTERIOR – NAME PLATE

INSTALLATION**NOTICE:**

Do not heat the vehicle body, emblem and name plate excessively.

HINT:

When installing the emblem and name plate, heat the vehicle body, emblem and name plate using a heat light.

Standard heating temperature

Item	Specified Condition
Vehicle body	40 to 60°C (104 to 140°F)
Name plate	20 to 30°C (68 to 86°F)

1. INSTALL NO. 4 BACK DOOR NAME PLATE (for 4WD)

- (a) Clean the vehicle body surface.
 - (1) Using a heat light, heat the vehicle body surface.
 - (2) Remove the double-sided tape from the vehicle body.
 - (3) Wipe off any tape adhesive residue with cleaner.
- (b) If reusing the name plate:

Clean the name plate.

 - (1) Using a heat light, heat the name plate.
 - (2) Remove the double-sided tape from the name plate.
 - (3) Wipe off any tape adhesive residue with cleaner.
 - (4) Apply new double-sided tape to the name plate.
- (c) Install the name plate.
 - (1) Using a heat light, heat the vehicle body and name plate.
 - (2) Remove the peeling paper from the face of the name plate.

HINT:

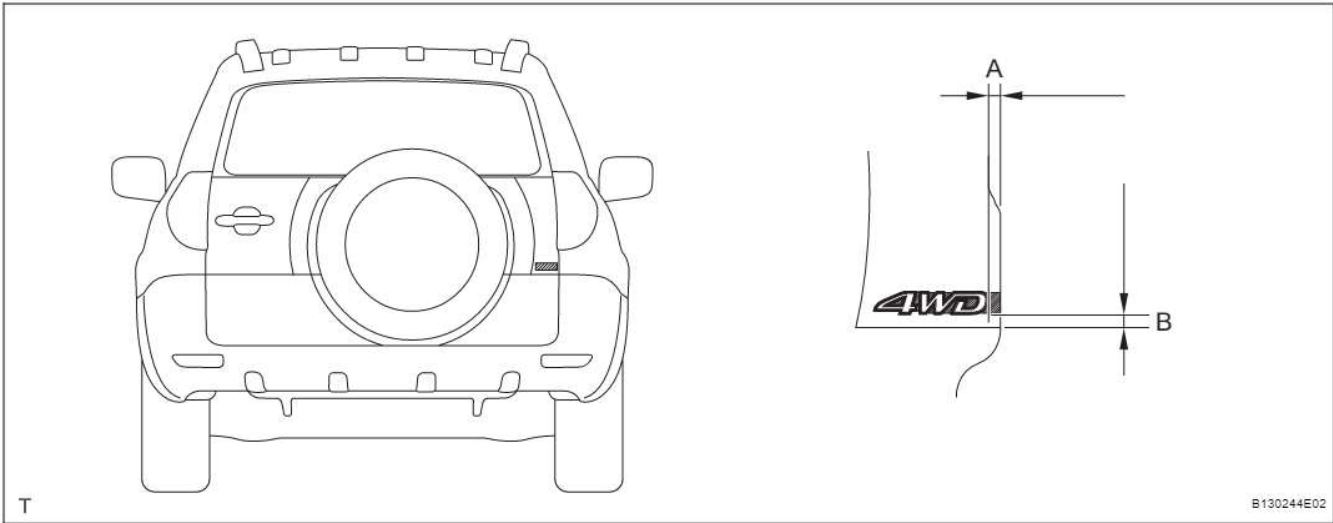
After removing the peeling paper, keep the exposed adhesive free from foreign matter.

- (3) Install the name plate.

NOTICE:

Install the name plate exactly according to the specifications below.

ET



Standard measurement

Area	Specified Condition
A	8 mm (0.314 in.)
B	8.6 mm (0.338 in.)

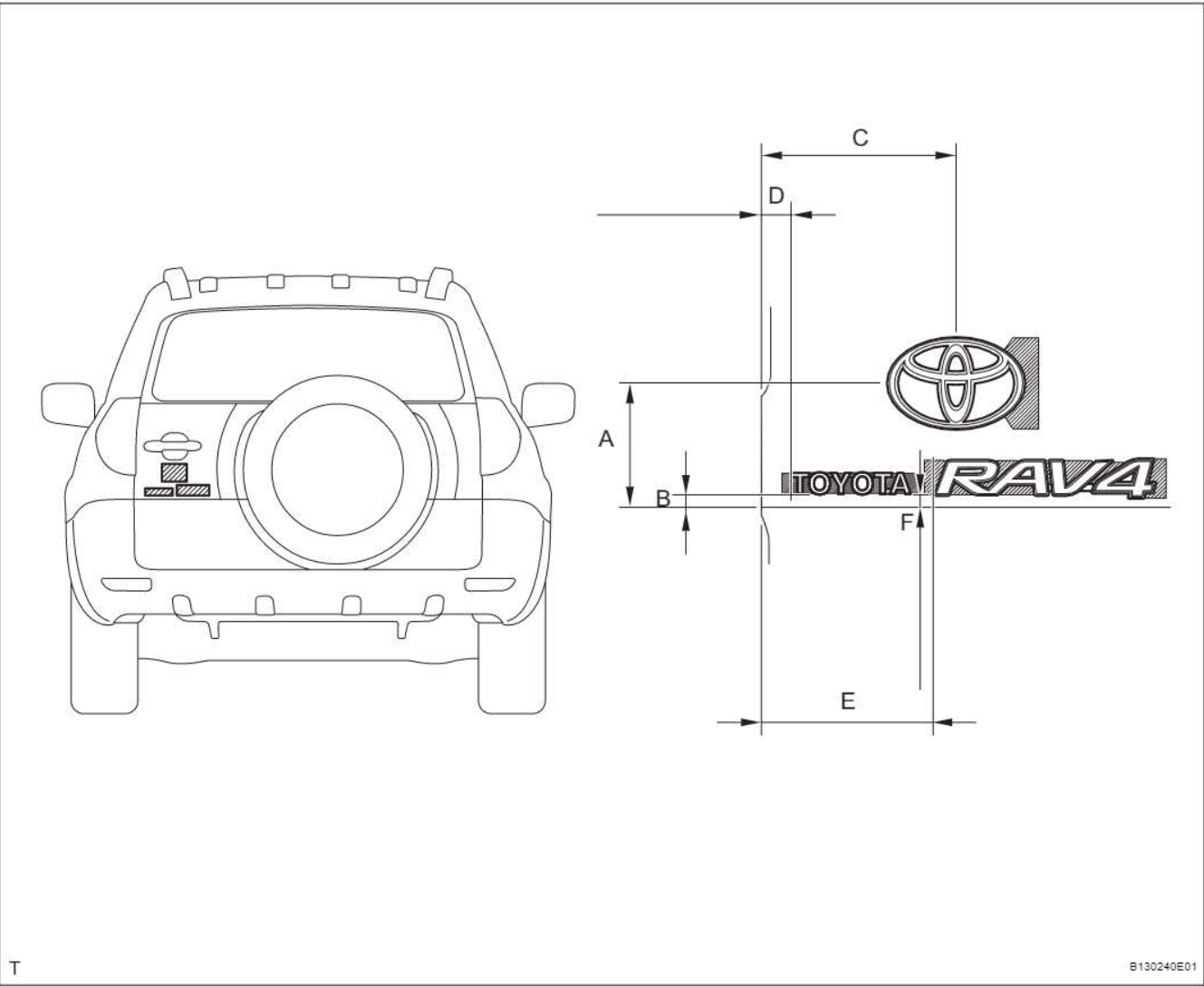
2. INSTALL NO. 1 BACK DOOR EMBLEM
3. INSTALL BACK DOOR NAME PLATE
4. INSTALL NO. 1 BACK DOOR EMBLEM ASSEMBLY
 - Clean the vehicle body surface.
 - Using a heat light, heat the vehicle body surface.
 - Remove the double-sided tape from the vehicle body.
 - Wipe off any tape adhesive residue with cleaner.
 - If reusing the name plate and emblem: Clean the name plate and emblem.
 - Using a heat light, heat the name plate and emblem.
 - Remove the double-sided tape from the name plate and emblem.
 - Wipe off any tape adhesive residue with cleaner.
 - Apply new double-sided tape to the name plate and emblem.
 - Install the name plate and emblem.
 - Using a heat light, heat the vehicle body, name plate and emblem.
 - Remove the peeling paper from the face of the name plate and emblem.

HINT:
After removing the peeling paper, keep the exposed adhesive free from foreign matter.
 - Install the name plate and emblem.

NOTICE:
Install the name plate and emblem exactly according to the specifications below.

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EXTERIOR – NAME PLATE



Standard measurement

Area	Specified Condition
A	92.8 mm (3.653 in.)
B	9.3 mm (0.366 in.)
C	157.5 mm (6.200 in.)
D	25.3 mm (0.996 in.)
E	138.0 mm (5.433 in.)
F	8.2 mm (0.322 in.)

INSTALLATION

HINT:

- When installing the spoiler, heat the vehicle body and spoiler using a heat light.

Standard heating temperature

Item	Specified Condition
Vehicle body	40 to 60°C (104 to 140°F)
Spoiler	20 to 30°C (68 to 86°F)

NOTICE:

Do not heat the body and spoiler excessively.

1. INSTALL CENTER STOP LIGHT

- (a) Install the center stop light with the 2 screws.

2. INSTALL REAR SPOILER

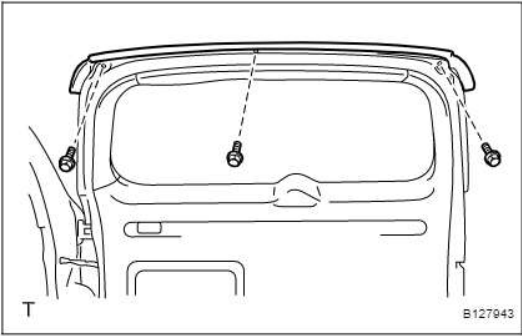
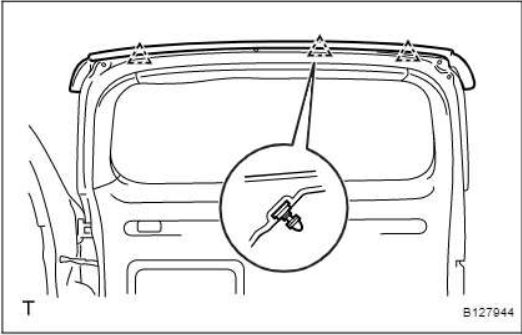
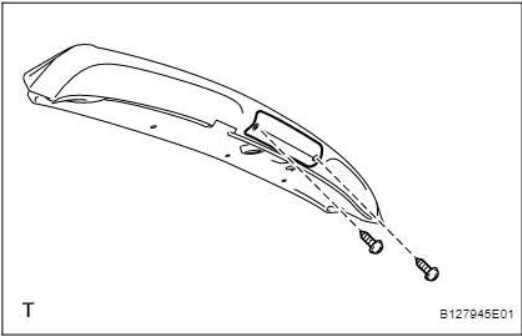
- (a) Clean the vehicle body surface.
 - (1) Using a heat light, heat the vehicle body surface.
- (b) If reusing the spoiler:
 - (1) Using a heat light, heat the spoiler.
- (c) Connect the center stop light connector.
- (d) Install the spoiler with 3 clips.

- (e) Install the 3 bolts.
Torque: 7.5 N*m (76 kgf*cm, 66 in.*lbf)

3. INSTALL BACK DOOR CENTER GARNISH (See page ED-67)

4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

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EXTERIOR – ROOF RACK

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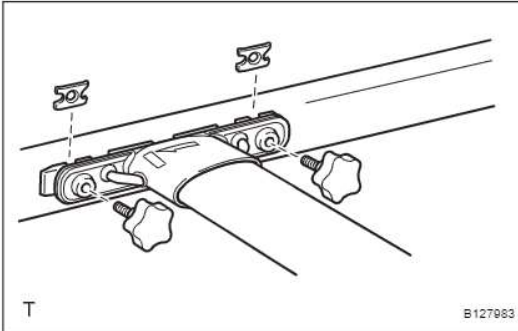
REMOVAL

HINT:

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

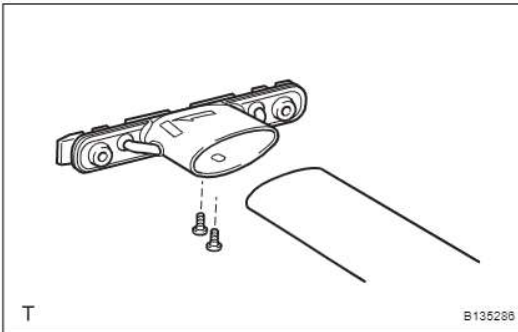
1. REMOVE ROOF RACK SUPPORT SUB-ASSEMBLY CENTER

- (a) Remove the 4 roof carrier caps and roof rack support center.



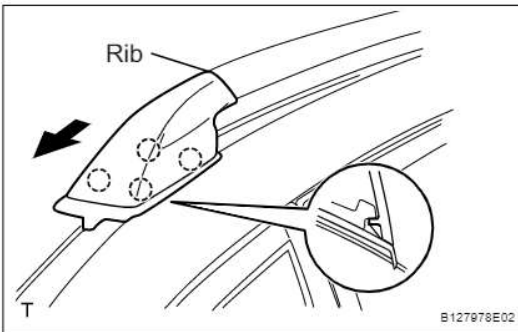
2. REMOVE ROOF RACK BAR FRONT

- (a) Remove the 4 screws and roof rack bar.



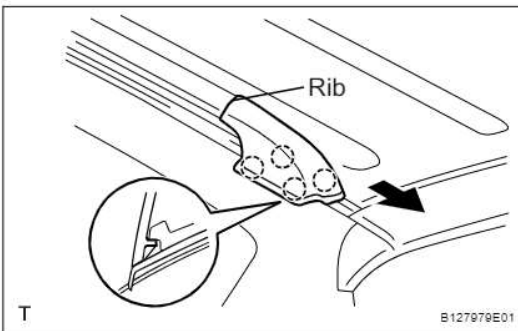
3. REMOVE ROOF RACK LEG COVER FRONT LH

- (a) Remove the leg cover.
- (1) Using a screwdriver, detach the 4 claws.
- HINT:
Tape the screwdriver tip before use.
- (2) Detach the rib from the bar.



4. REMOVE ROOF RACK LEG COVER REAR LH

- (a) Remove the leg cover.
- (1) Using a screwdriver, detach the 4 claws.
- HINT:
Tape the screwdriver tip before use.
- (2) Detach the rib from the bar.

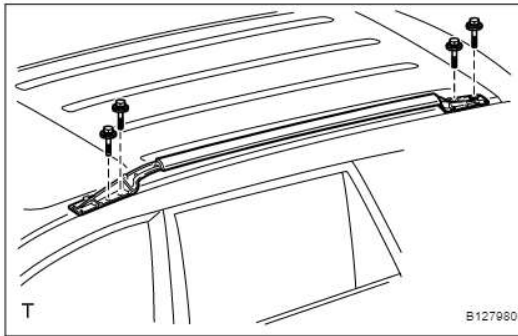


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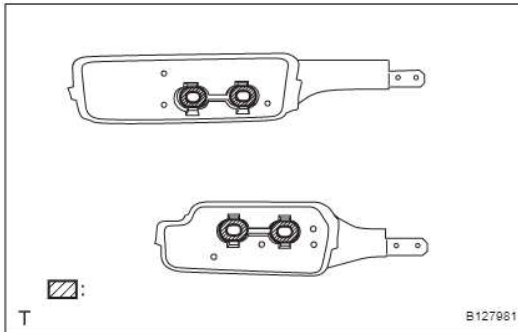
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EXTERIOR – ROOF RACK

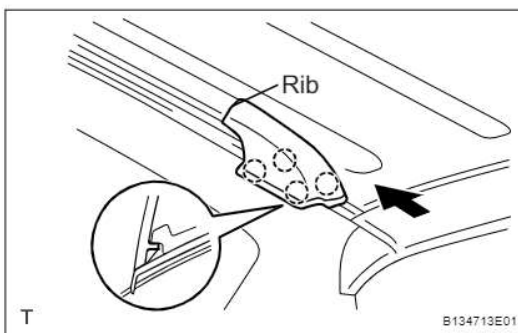
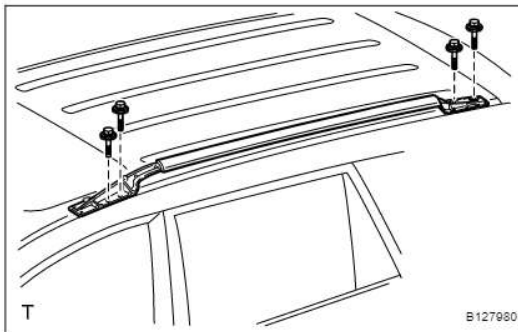


5. **REMOVE ROOF RACK ASSEMBLY LH**
Remove the 4 bolts and the roof rack.
6. **REMOVE ROOF RACK LEG FRONT LH**
 - (a) Remove the 2 screws and roof rack leg front.
 - (b) Remove the leg cushion front.
7. **REMOVE ROOF RACK LEG REAR LH**
 - (a) Remove the 2 screws and roof rack leg rear.
 - (b) Remove the leg cushion rear.



INSTALLATION

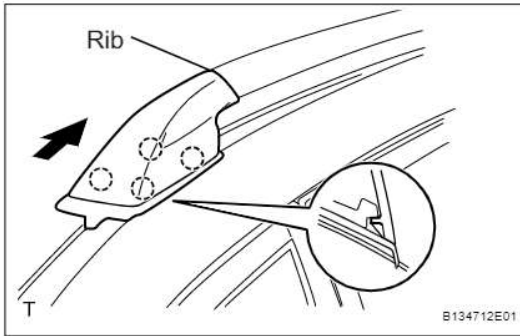
1. **REPLACE ROOF CARRIER SEAL**
 - (a) Remove the seals.
 - (b) Install new seals as shown in the illustration.
2. **INSTALL ROOF RACK LEG FRONT LH**
 - (a) Install the leg cushion front.
 - (b) Install the roof rack leg front with the 2 screws.
Torque: 2.8 to 5.0 N*m (29 to 51 kgf*cm, 25 to 44 in.*lbf)
3. **INSTALL ROOF RACK LEG REAR LH**
 - (a) Install the leg cushion rear.
 - (b) Install the roof rack leg rear with the 2 screws.
Torque: 2.8 to 5.0 N*m (29 to 51 kgf*cm, 25 to 44 in.*lbf)
4. **INSTALL ROOF RACK ASSEMBLY LH**
 - (a) Install the roof rack with the 4 bolts.
Torque: 38 N*m (387 kgf*cm, 28 ft.*lbf)



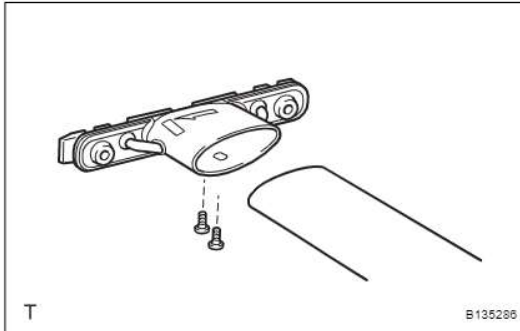
5. **INSTALL ROOF RACK LEG COVER REAR LH**
 - (a) Install the leg cover.
 - (1) Attach the rib to the bar.
 - (2) Attach the 4 claws.

EXTERIOR – ROOF RACK

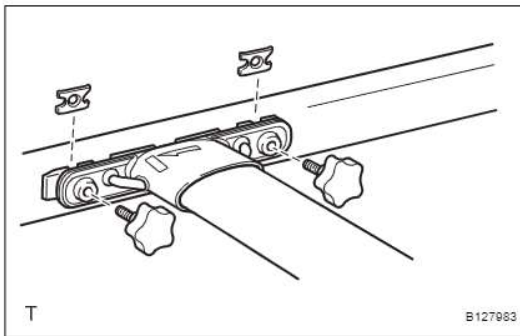
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**6. INSTALL ROOF RACK LEG COVER FRONT LH**

- (a) Install the leg cover.
- (1) Attach the rib to the bar.
 - (2) Attach the 4 claws.

**7. INSTALL ROOF RACK BAR FRONT**

- (a) Install the roof rack bar with the 4 screws.
- Torque: 1.96 to 2.94 N*m (20 to 30 kgf*cm, 17 to 26 in.*lbf)**

**8. INSTALL ROOF RACK SUPPORT SUB-ASSEMBLY CENTER**

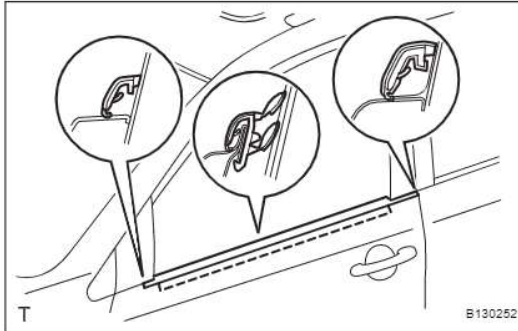
- (a) Install the roof rack support center with the 4 roof carrier caps.

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ET-44**EXTERIOR – FRONT DOOR BELT MOULDING****INSTALLATION****HINT:**

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

**1. INSTALL FRONT DOOR BELT MOULDING ASSEMBLY LH**

- (a) Attach the claws to install the belt moulding.

HINT:

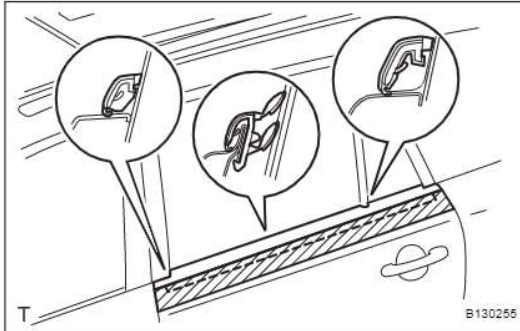
Confirm that the moulding is firmly installed.

- 2. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY LH (See page [MI-12](#))**
- 3. INSTALL FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH (See page [ED-33](#))**
- 4. INSTALL FRONT ARMREST BASE PANEL UPPER LH (See page [ED-34](#))**
- 5. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH LH (See page [ED-35](#))**
- 6. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

INSTALLATION

HINT:

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



1. **INSTALL REAR DOOR BELT MOULDING ASSEMBLY LH**
(a) Attach the claws to install the moulding.
HINT:
Confirm that the moulding is firmly installed.
2. **INSTALL REAR DOOR TRIM BOARD SUB-ASSEMBLY LH** (See page [ED-53](#))
3. **INSTALL REAR DOOR ARMREST BASE PANEL UPPER LH** (See page [ED-54](#))
4. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

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INSTALLATION

- HINT:
- Use the same procedures for the RH side and LH side.
 - The procedures listed below are for the LH side.
 - When replacing the clip, heat the clip and body using a heat light.

Standard heating temperature

Item	Specified Condition
Vehicle body	40 to 60°C (104 to 140°F)
Clip	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the clip and vehicle body excessively.

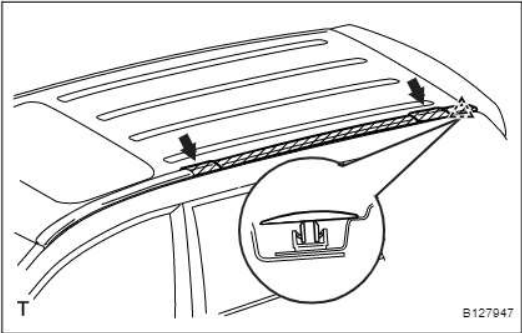
1. REPLACE ROOF DRIP SIDE FINISH MOULDING CLIP

- HINT:
Use the procedures below to replace damaged or accidentally removed clips. If this step is not necessary, go to the next step.

NOTICE:
After press-fitting the clips, wait 30 minutes or more before installing the moulding.

- HINT:
- Minimum hardening time: 30 minutes
 - Time needed for complete hardening: 24 hours
- (a) Remove the double-sided tape that remains on the surfaces of the moulding and vehicle body, and then clean the surface with white gasoline.
- (b) Using a heat light, heat the clip installation surface of the vehicle body and installation part of the clips.

2. INSTALL ROOF DRIP SIDE FINISH MOULDING LH
- (a) Install the No. 2 center roof drip side finish moulding and roof drip side finish moulding.
- (b) Install the 2 roof drip moulding joint covers to the vehicle body.



INSTALLATION

- HINT:
- Use the same procedures for the RH side and LH side.
 - The procedures listed below are for the LH side.
 - When installing the moulding, heat the vehicle body and moulding using a heat light.

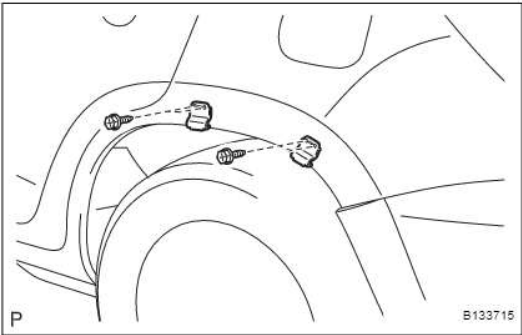
Standard heating temperature

Item	Specified Condition
Vehicle body	40 to 60°C (104 to 140°F)
Moulding	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the vehicle body and moulding excessively.

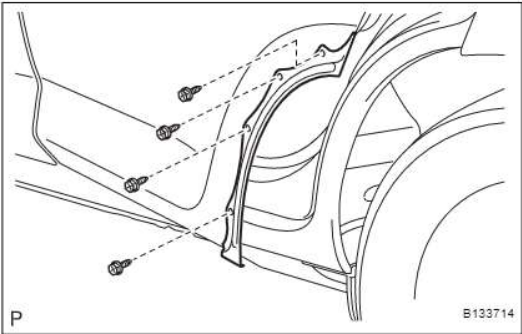
1. INSTALL NO. 1 ROCKER PANEL MOULDING RETAINER LH

- (a) Install the 2 retainers with the 4 screws.



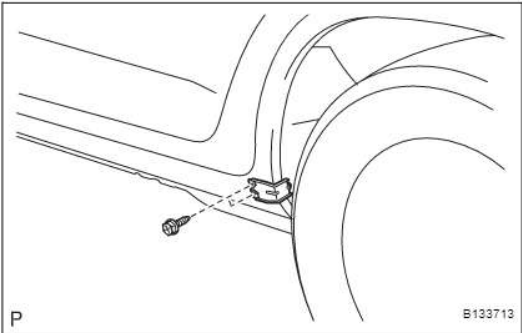
2. INSTALL QUARTER OPENING RETAINER LH

- (a) Install the retainer with the 4 screws.



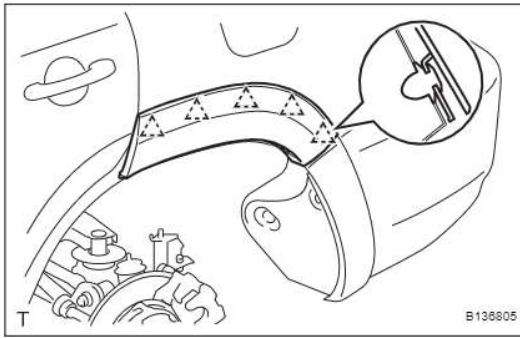
3. INSTALL NO. 2 ROCKER PANEL MOULDING RETAINER LH

- (a) Install the retainer with the 2 screws.



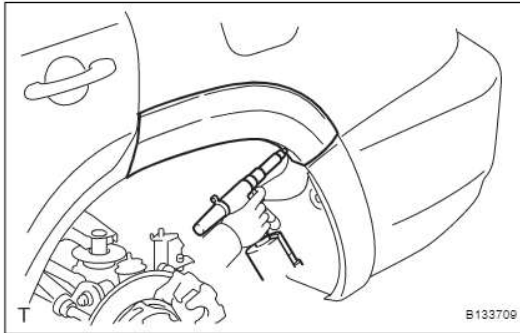
EXTERIOR – OUTSIDE MOULDING

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4. INSTALL REAR QUARTER OUTSIDE MOULDING LH

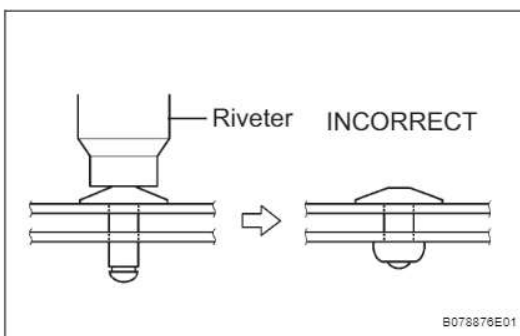
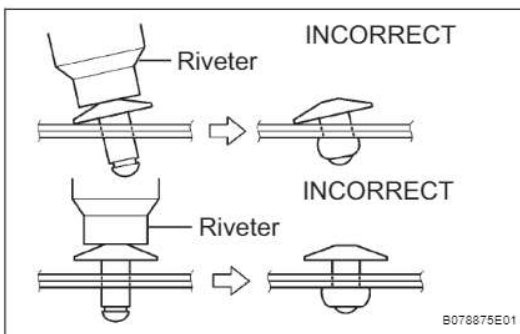
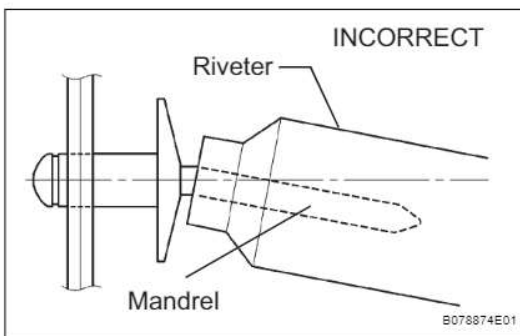
(a) Attach the 5 clips to install the moulding.



(b) Using an air riveter or hand riveter with a nose piece, strike 2 rivets to the vehicle to install the rear quarter outside moulding to the vehicle.

NOTICE:

- If the rivet is not positioned perpendicularly, it will bend the mandrel.
- Do not pry the rivet with the riveter, as this will cause damage to the riveter and mandrel.



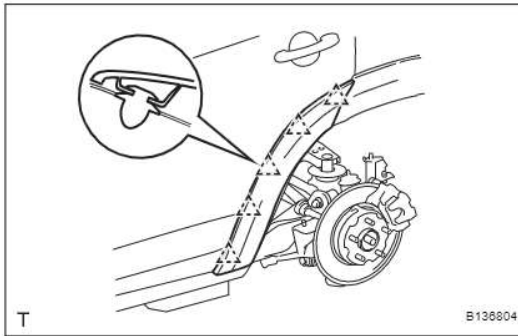
- Confirm that the rivets are seated properly against the moulding. Do not tilt the riveter when installing the rivet to the moulding. Do not leave any space between the rivet head and moulding.
- Do not leave any space between the moulding and door panel. Firmly hold together the 2 items while installing the rivet.

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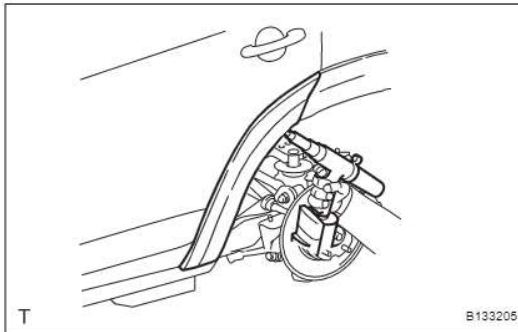
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EXTERIOR – OUTSIDE MOULDING



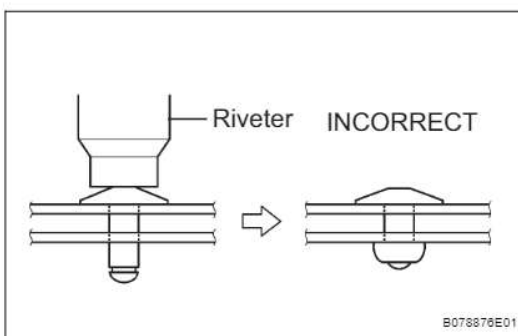
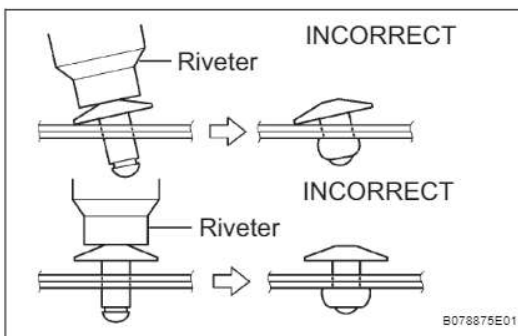
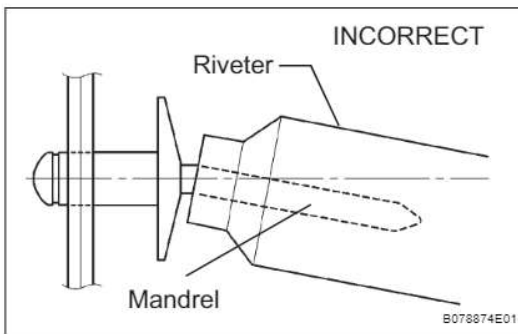
5. INSTALL NO. 1 REAR WHEEL OPENING EXTENSION LH

- (a) Attach the 5 clips to install the extension. Using an air riveter or hand riveter with a nose piece, strike 2 rivets to the vehicle to install the rear wheel opening extension to the vehicle.

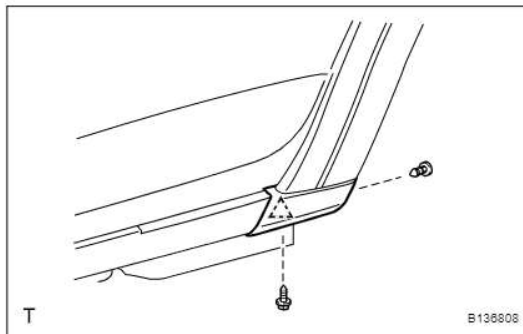


NOTICE:

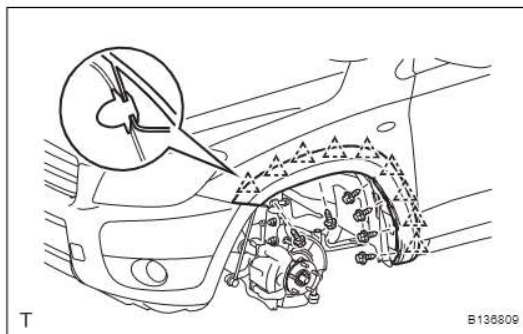
- If the rivet is not positioned perpendicularly, it will bend the mandrel.
- Do not pry the rivet with the riveter, as this will cause damage to the riveter and mandrel.



- Confirm that the rivets are seated properly against the moulding. Do not tilt the riveter when installing the rivet to the moulding. Do not leave any space between the rivet head and moulding.
- Do not leave any space between the moulding and door panel. Firmly hold together the 2 items while installing the rivet.

EXTERIOR – OUTSIDE MOULDING**ET-59****6. INSTALL NO. 2 REAR WHEEL OPENING EXTENSION LH**

- (a) Attach the clip to install the extension.
Install the screw and clip.

**7. INSTALL FRONT FENDER MOULDING SUB-ASSEMBLY LH**

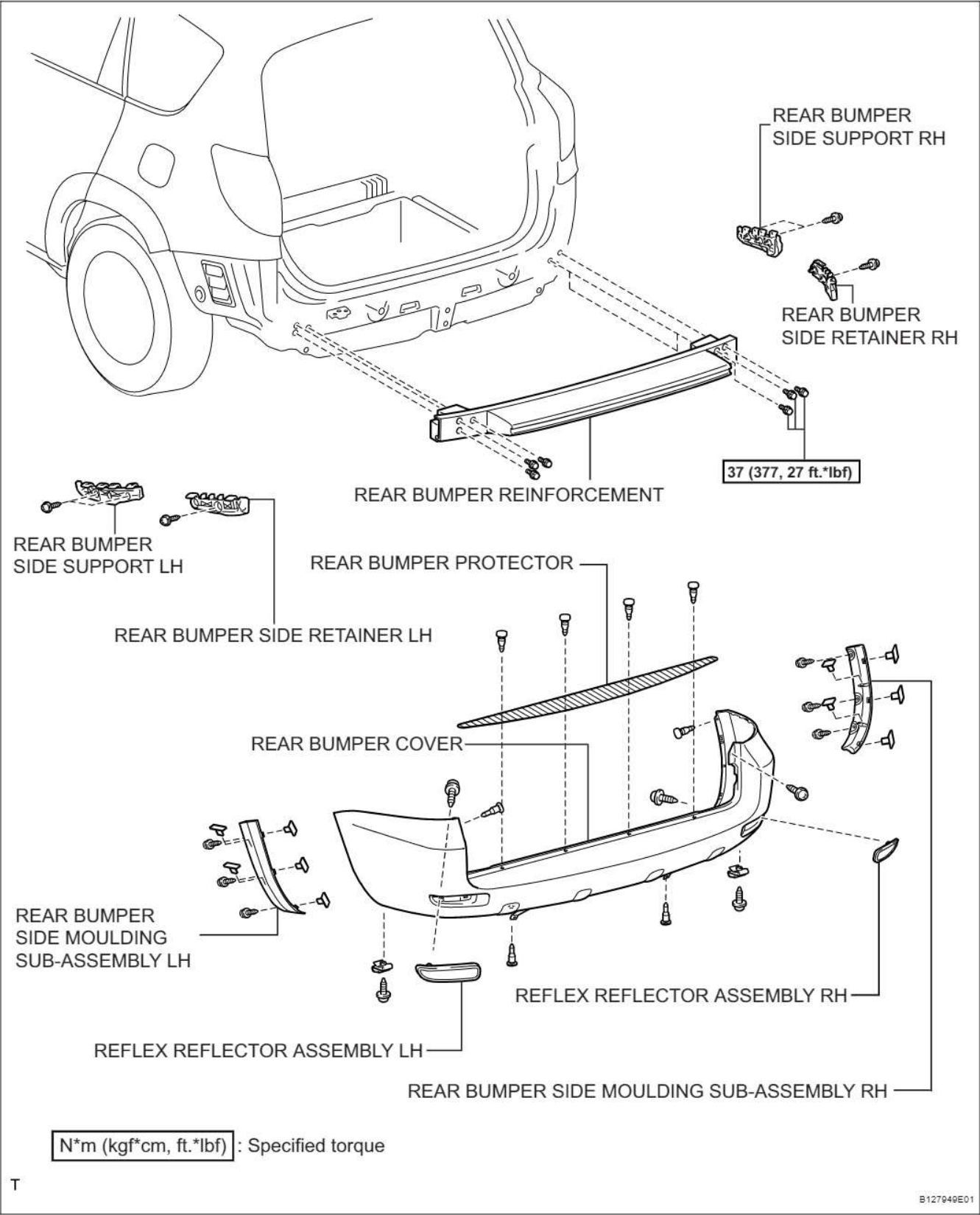
- (a) Attach the 9 clips to install the extension
(b) Install the 4 screws and 2 clips.

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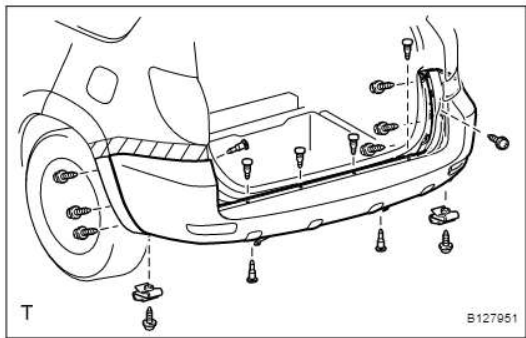
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REAR BUMPER
COMPONENTS



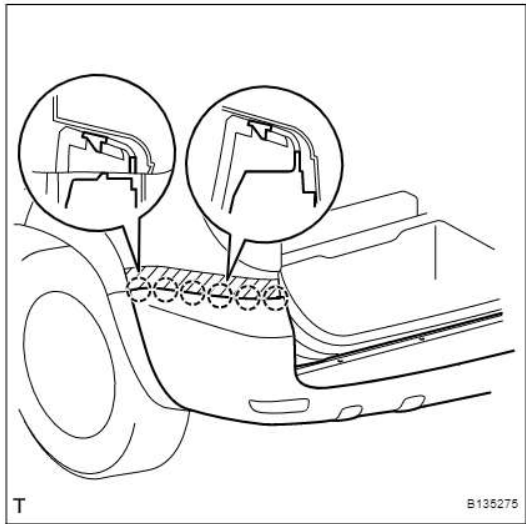
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EXTERIOR – REAR BUMPER



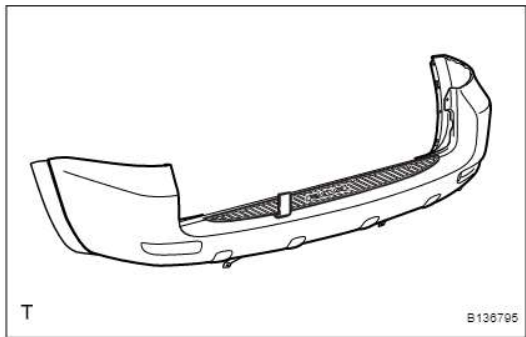
REMOVAL

1. REMOVE REAR BUMPER COVER
- (a) Remove the 9 screws and 7 clips.
 - (b) Put protective tape under the quarter panel.

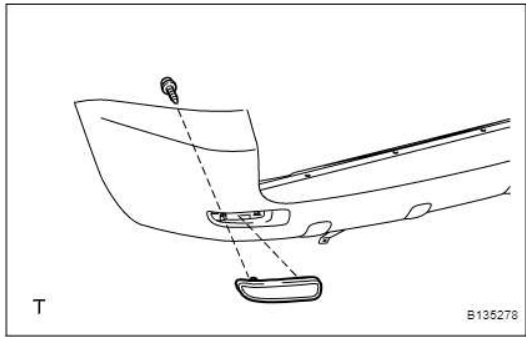


2. REMOVE REAR BUMPER PROTECTOR
- HINT:
When removing the bumper protector, heat the bumper protector.
- Standard heating temperature

Item	Specified Condition
bumper protector	40 to 60°C (104 to 140°F)



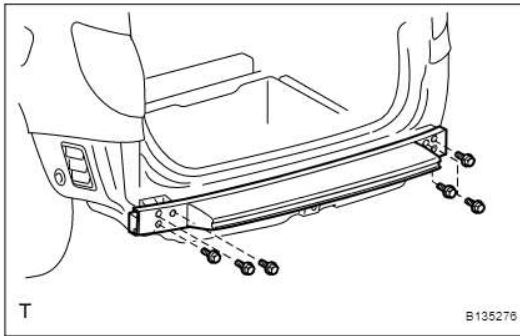
- (a) Using a moulding remover, remove the bumper protector.



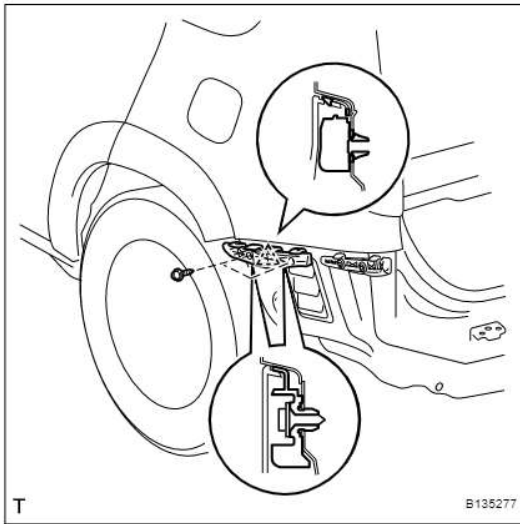
3. REMOVE REFLEX REFLECTOR ASSEMBLY LH
- (a) Remove the screw and reflex reflector.
4. REMOVE REFLEX REFLECTOR ASSEMBLY RH
- HINT:
Use the same procedures described for the LH side.

EXTERIOR – REAR BUMPER

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**5. REMOVE REAR BUMPER REINFORCEMENT**

- (a) Remove the 6 bolts and reinforcement.

**6. REMOVE REAR BUMPER SIDE SUPPORT LH**

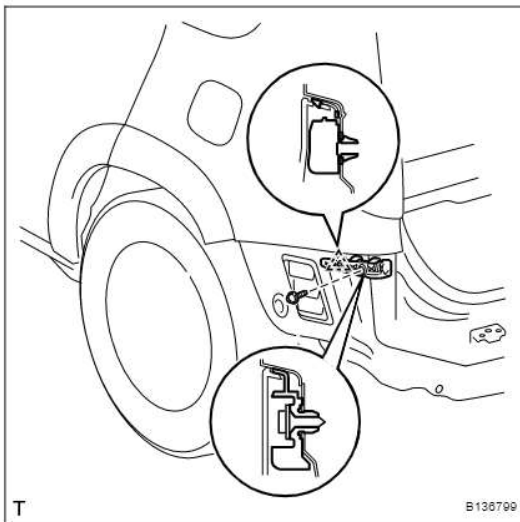
- (a) Remove the 2 screws.
 (b) Using a screwdriver, detach the claw and remove the bumper side support.

HINT:

Tape the screwdriver tip before use.

7. REMOVE REAR BUMPER SIDE SUPPORT RH**HINT:**

Use the same procedures described for the LH side.

**8. REMOVE REAR BUMPER SIDE RETAINER LH**

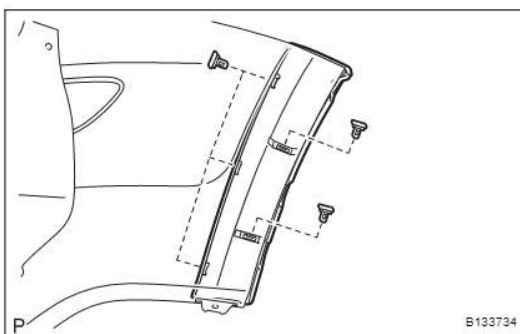
- (a) Remove the screw.
 (b) Using a screwdriver, detach the claw and remove the side retainer.

HINT:

Tape the screwdriver tip before use.

9. REMOVE REAR BUMPER SIDE RETAINER RH**HINT:**

Use the same procedures described for the LH side.

**10. REMOVE REAR BUMPER SIDE MOULDING SUB-ASSEMBLY LH (for Wide Body)**

- (a) Detach the 5 outside moulding retainers and remove the moulding.

NOTICE:

- If reusing the extension, take care not to damage the moulding.
- Be careful not to damage the vehicle body.

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EXTERIOR – REAR BUMPER

11. REMOVE REAR BUMPER SIDE MOULDING SUB-ASSEMBLY RH (for Wide Body)

HINT:

Use the same procedures described for the LH side.

INSTALLATION**1. INSTALL REAR BUMPER SIDE MOULDING SUB-ASSEMBLY LH (for Wide Body)**

(a) Attach the 5 outside moulding retainers to install the moulding.

2. INSTALL REAR BUMPER SIDE MOULDING SUB-ASSEMBLY RH (for Wide Body)

HINT:

Use the same procedures described for the LH side.

3. INSTALL REAR BUMPER SIDE RETAINER LH

(a) Attach the claw to install the side retainer.

(b) Install the screw.

4. INSTALL REAR BUMPER SIDE RETAINER RH

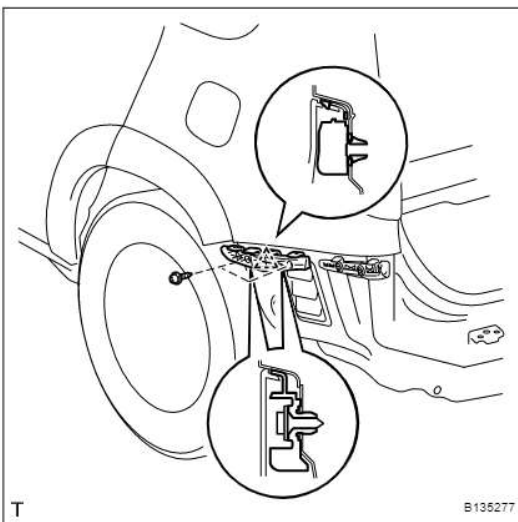
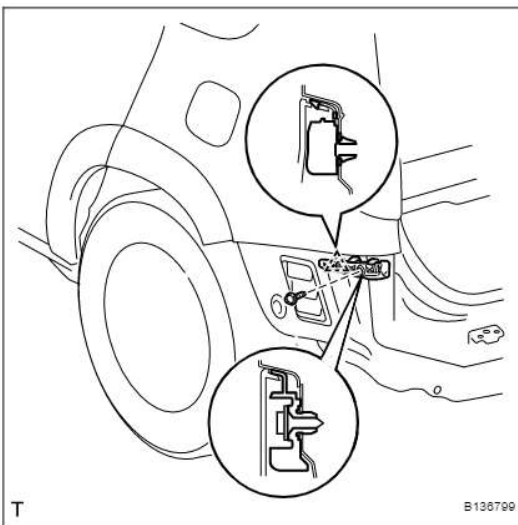
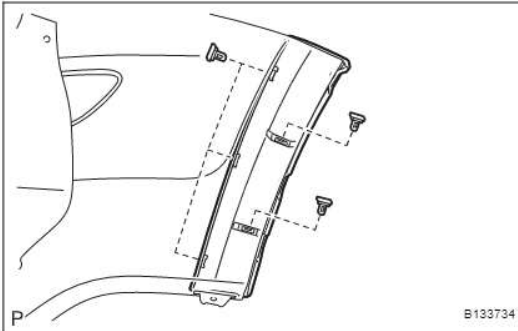
HINT:

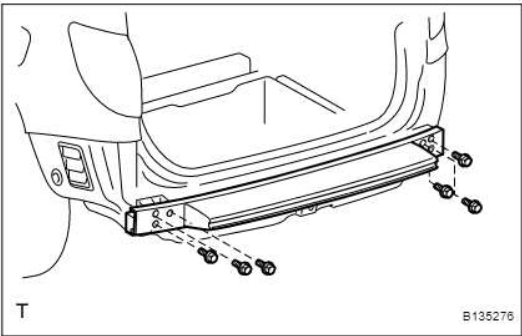
Use the same procedures described for the LH side.

5. INSTALL REAR BUMPER SIDE SUPPORT LH(a) Attach the claw to install the bumper side support.
(b) Install the 2 screws.**6. INSTALL REAR BUMPER SIDE SUPPORT RH**

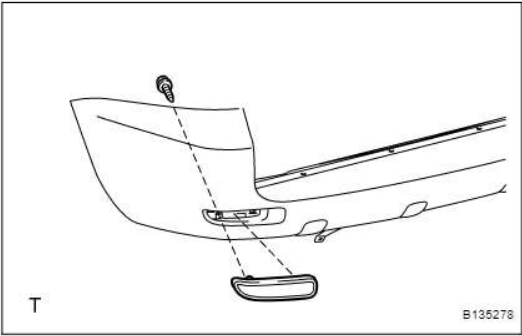
HINT:

Use the same procedures described for the LH side.





- 7. INSTALL REAR BUMPER REINFORCEMENT**
(a) Install the bumper reinforcement with the 6 bolts.
Torque: 37 N*m (377 kgf*cm, 27 ft.*lbf)

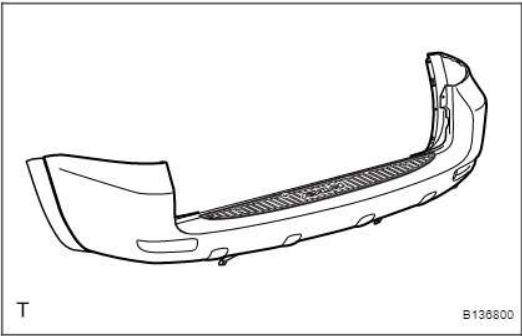


- 8. INSTALL REFLEX REFLECTOR ASSEMBLY LH**
(a) Install the reflex reflector with the screw.
- 9. INSTALL REFLEX REFLECTOR ASSEMBLY RH**
HINT:
Use the same procedures described for the LH side.

- 10. INSTALL REAR BUMPER PROTECTOR**
HINT:
When removing the double-side tape, heat the rear bumper.
Standard heating temperature

Item	Specified Condition
Rear bumper	40 to 60°C (104 to 140°F)

- (a) Clean the bumper surface.
- (1) Using a heat light, heat the bumper surface.
 - (2) Remove the double-sided tape from the bumper.
 - (3) Wipe off any tape adhesive residue with cleaner.
- (b) Install the new bumper protector.

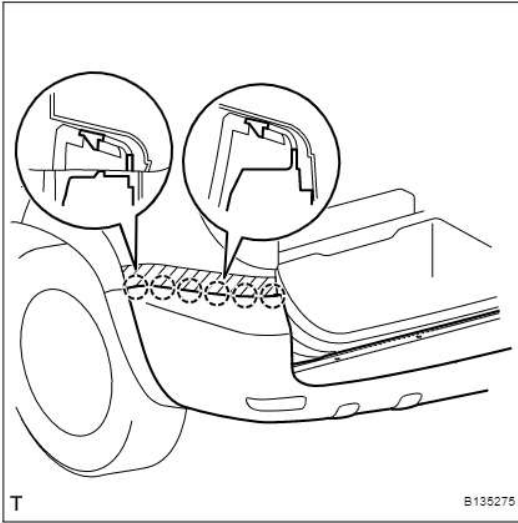


ET-18

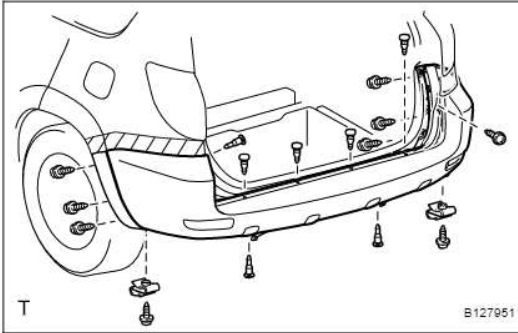
EXTERIOR – REAR BUMPER

11. INSTALL REAR BUMPER COVER

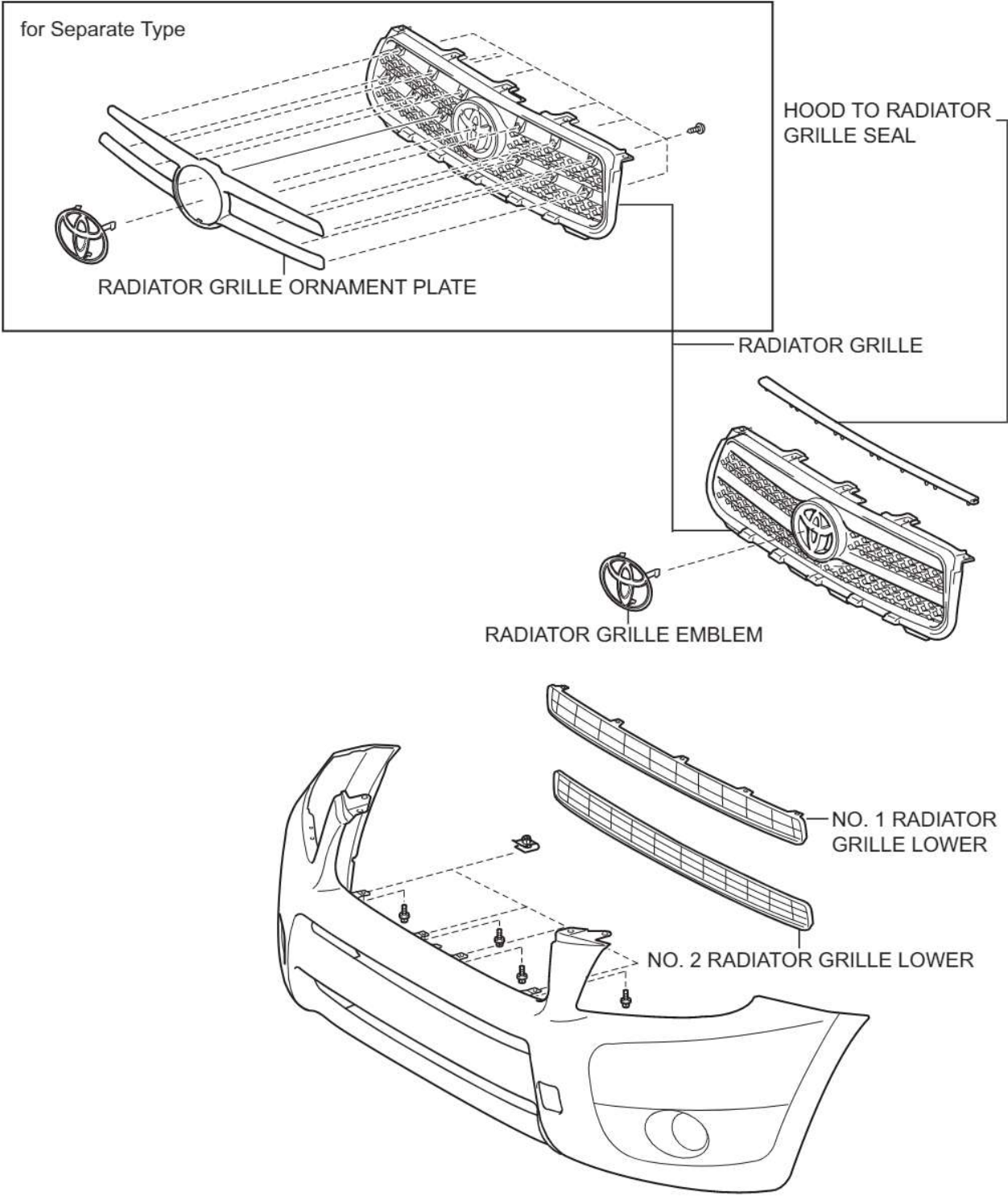
- (a) Put protective tape under the quarter panel.
- (b) Attach the 12 claws to install the bumper cover.



- (c) Install the 9 screws and 7 clips.



RADIATOR GRILLE
COMPONENTS



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ET-20**EXTERIOR – RADIATOR GRILLE**

REMOVAL

1. REMOVE RADIATOR GRILLE (See page [ET-6](#))
2. REMOVE NO. 1 RADIATOR GRILLE LOWER (See page [ET-7](#))
3. REMOVE NO. 2 RADIATOR GRILLE LOWER (See page [ET-7](#))

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DISASSEMBLY

HINT:
When removing the ornament plate and emblem, heat the radiator grille, ornament plate and emblem using a heat light.
Standard heating temperature

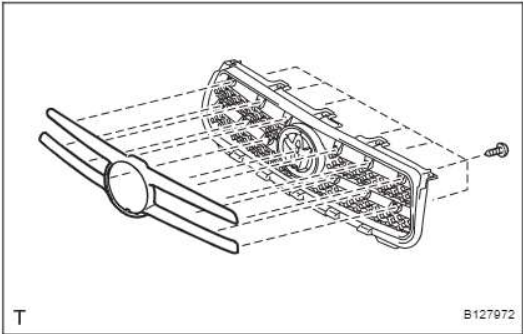
Item	Specified Condition
Radiator grille, ornament plate, emblem	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the emblem base and emblem excessively.

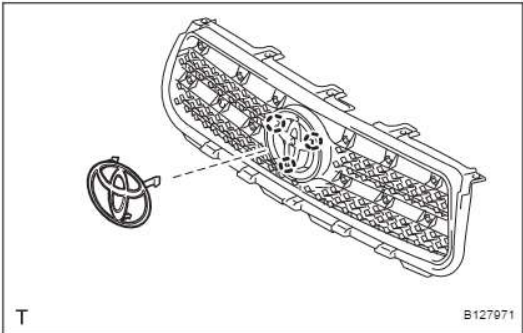
1. REMOVE HOOD TO RADIATOR GRILLE SEAL
- (a) Remove the double-side tape.
- (b) Detach the 7 clips and remove the hood to radiator grille seal.



2. REMOVE RADIATOR GRILLE ORNAMENT PLATE (for Separate Type)
- (a) Remove the 12 screws and ornament plate.



3. REMOVE RADIATOR GRILLE EMBLEM
- (a) Using a screwdriver, detach the 4 claws and remove the emblem from the radiator grille.
- HINT:
Tape the screwdriver tip before use.
- NOTICE:
- If reusing the emblem, take care not to damage the emblem.
 - Be careful not to damage the emblem base.

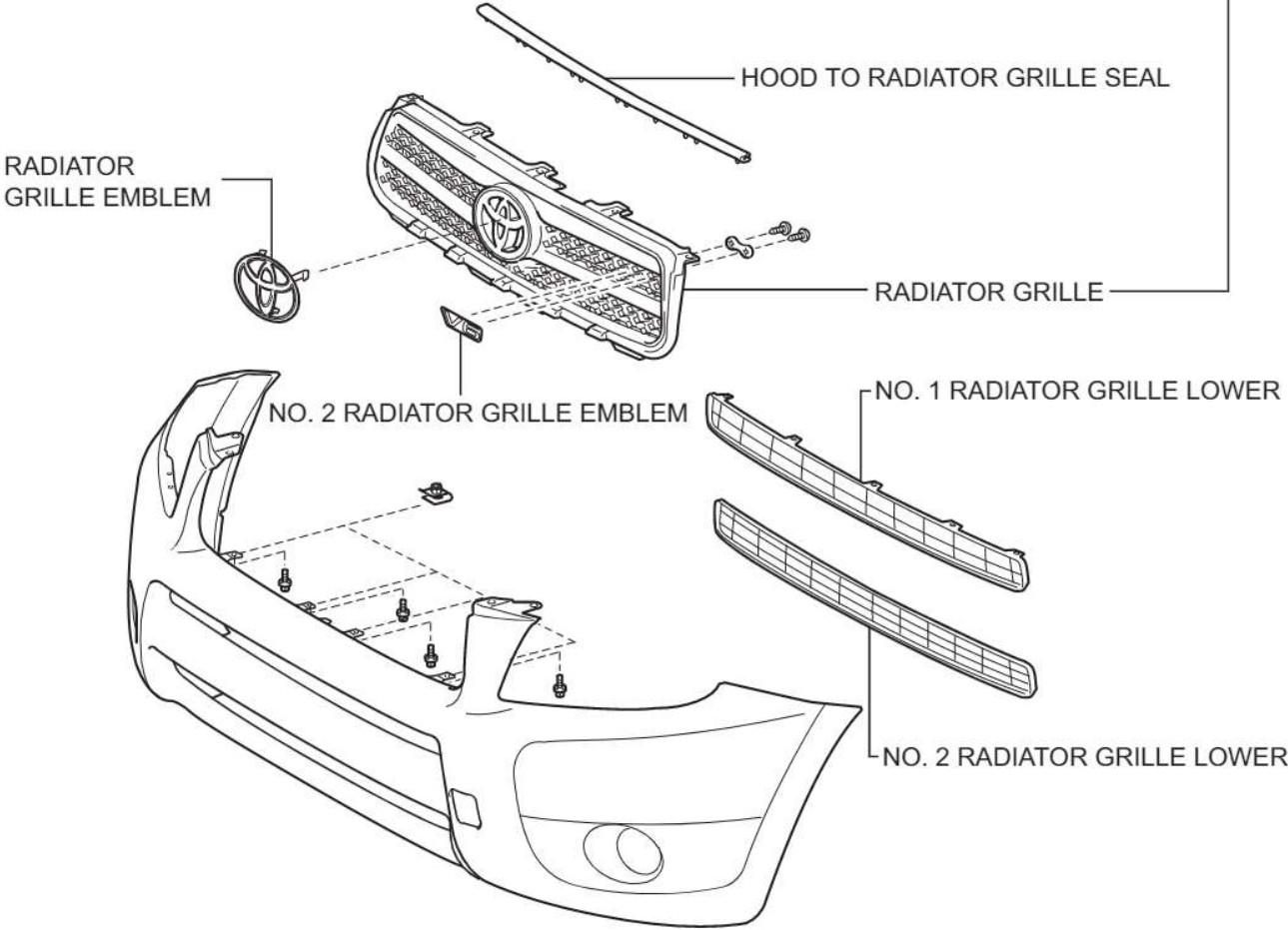
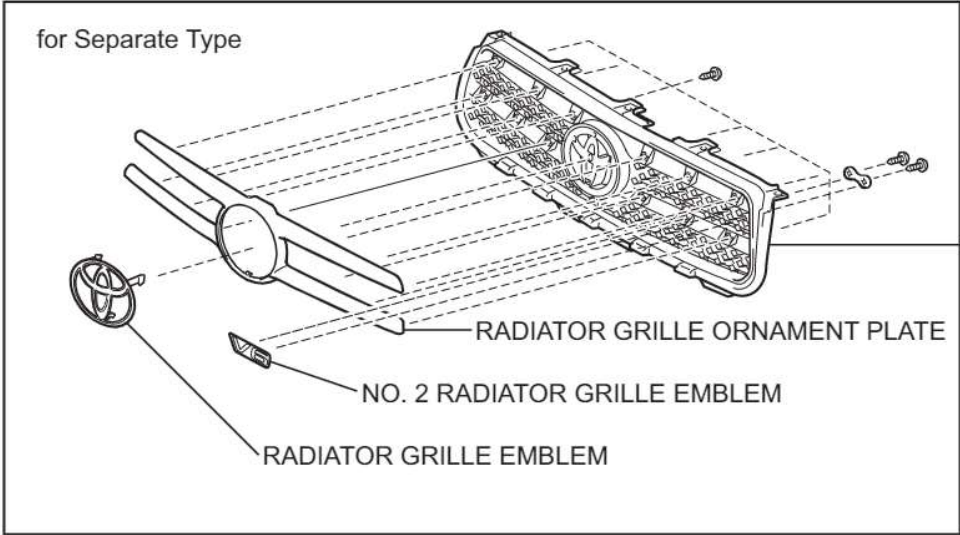


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EXTERIOR – RADIATOR GRILLE (for 2GR-FE)

RADIATOR GRILLE (for 2GR-FE)

COMPONENTS

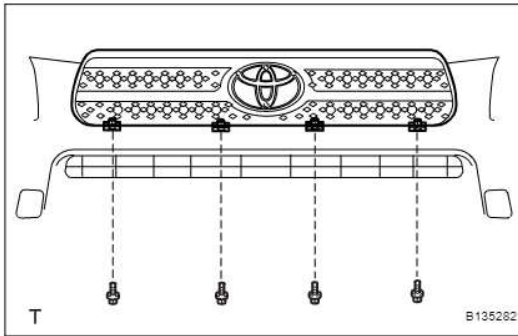


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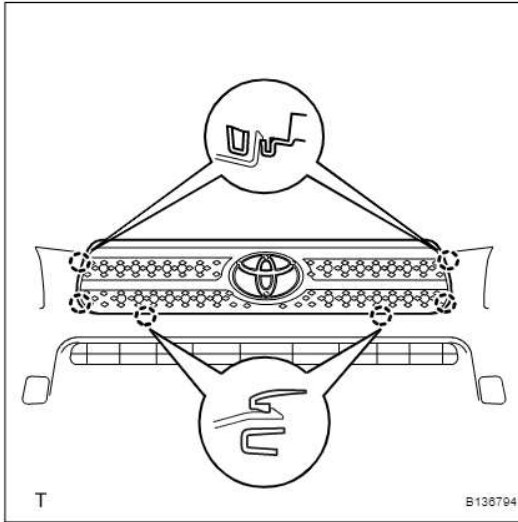
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EXTERIOR – RADIATOR GRILLE (for 2GR-FE)**ET-23****REMOVAL****1. REMOVE RADIATOR GRILLE SUB-ASSEMBLY**

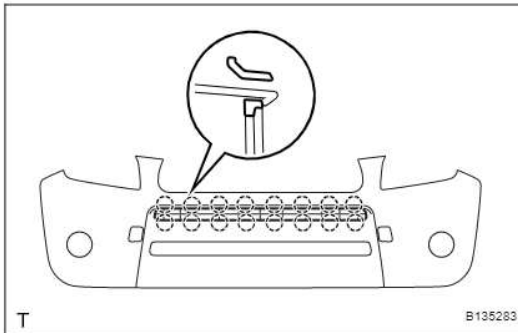
(a) Remove the 4 bolts and 4 nuts.



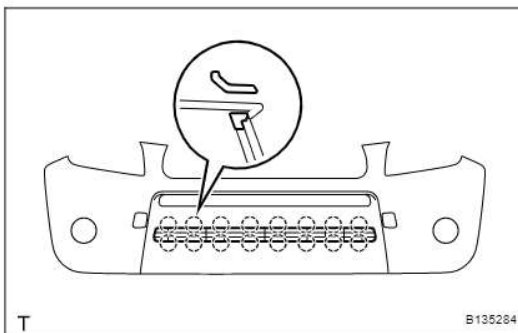
(b) Detach the 6 claws and remove the radiator grille.

**2. REMOVE NO. 1 RADIATOR GRILLE LOWER**

(a) Detach the 16 claws and remove the radiator grille.

**3. REMOVE NO. 2 RADIATOR GRILLE LOWER**

(a) Detach the 16 claws and remove the radiator grille.

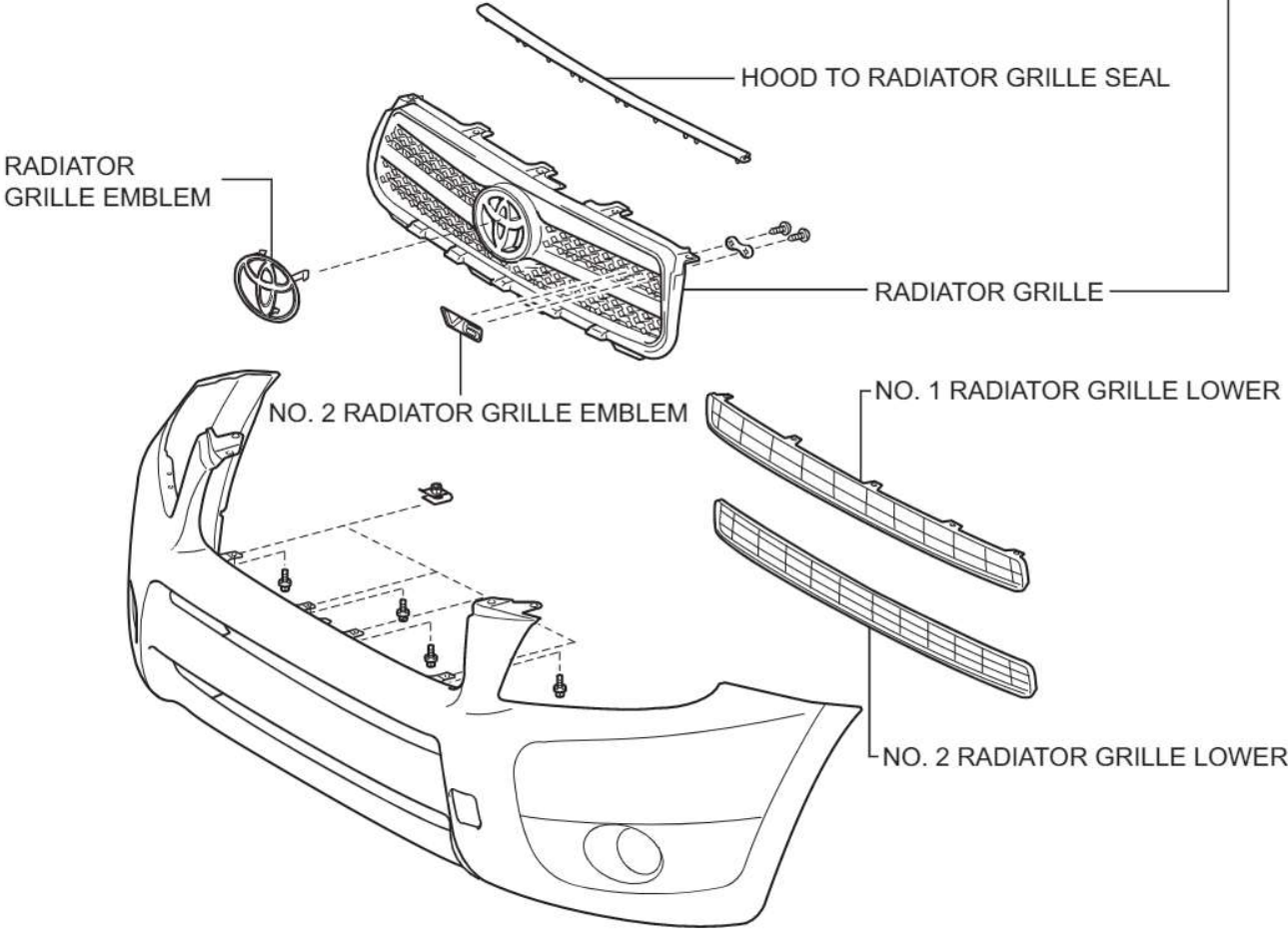
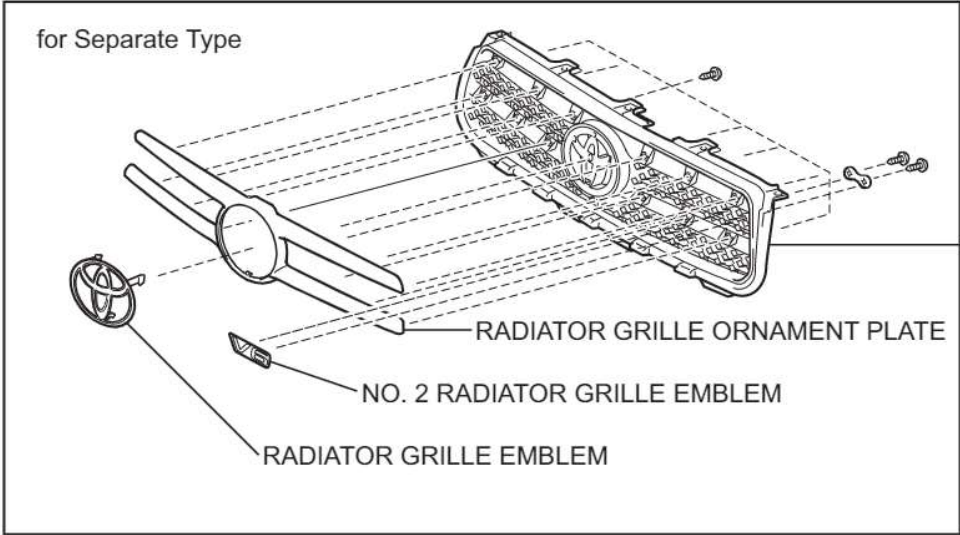
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EXTERIOR – RADIATOR GRILLE (for 2GR-FE)

RADIATOR GRILLE (for 2GR-FE)
COMPONENTS

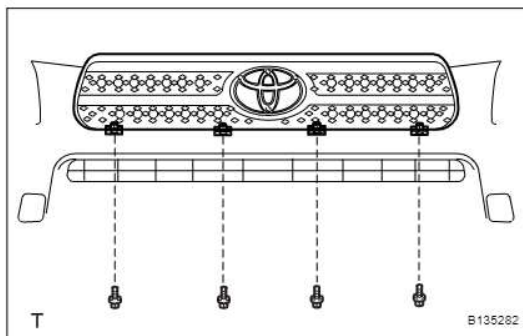


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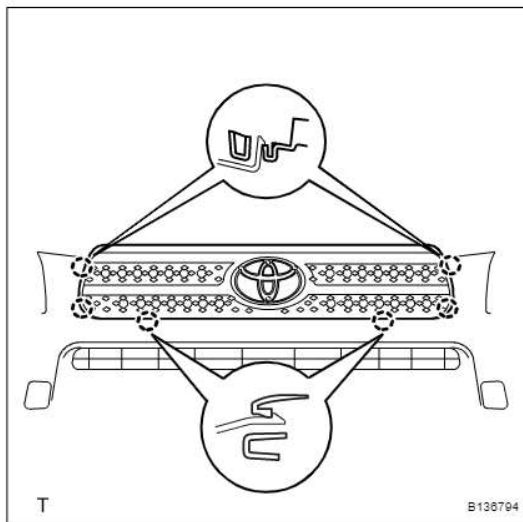
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EXTERIOR – RADIATOR GRILLE (for 2GR-FE)**ET-23****REMOVAL****1. REMOVE RADIATOR GRILLE SUB-ASSEMBLY**

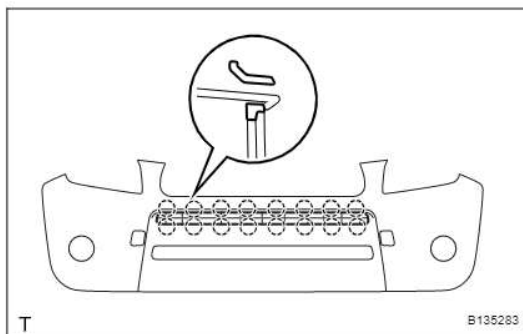
(a) Remove the 4 bolts and 4 nuts.



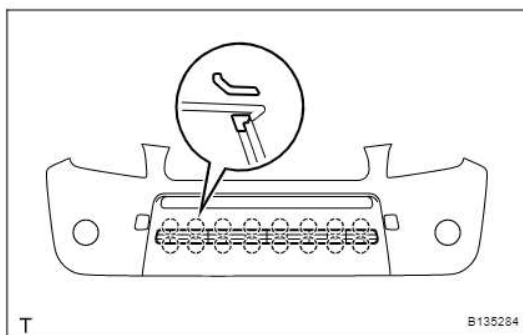
(b) Detach the 6 claws and remove the radiator grille.

**2. REMOVE NO. 1 RADIATOR GRILLE LOWER**

(a) Detach the 16 claws and remove the radiator grille.

**3. REMOVE NO. 2 RADIATOR GRILLE LOWER**

(a) Detach the 16 claws and remove the radiator grille.

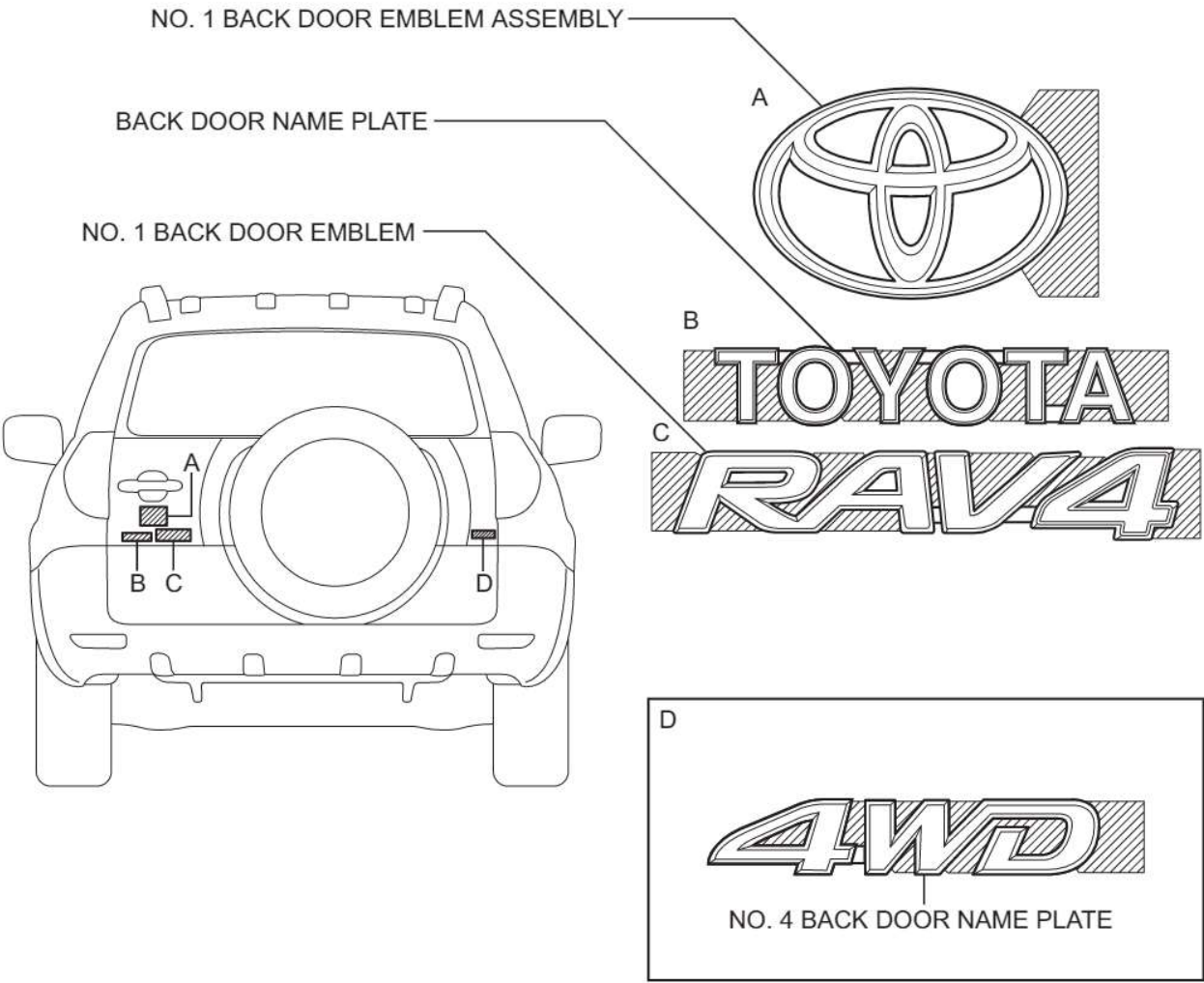
**ET**

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NAME PLATE
COMPONENTS

ET

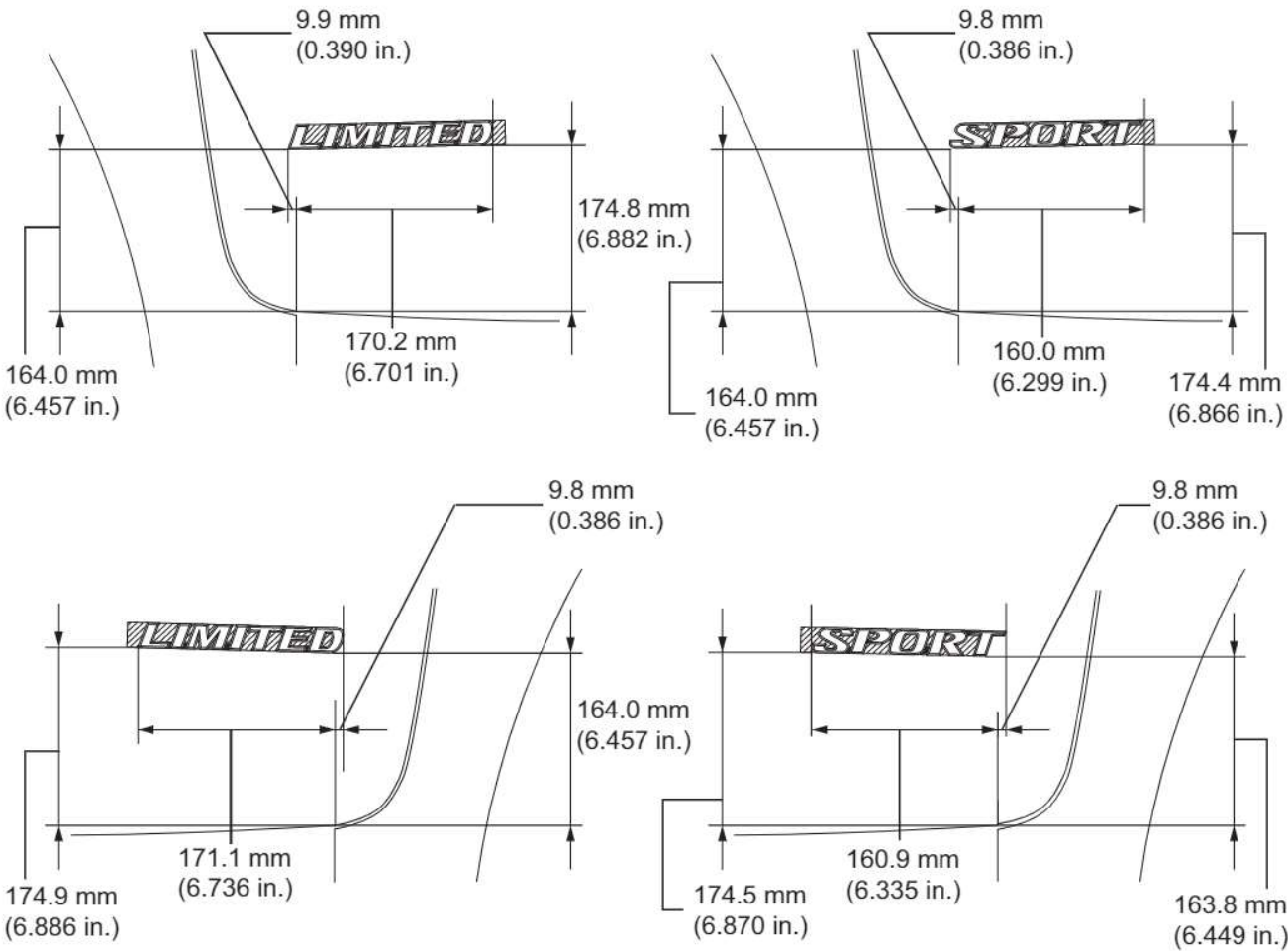
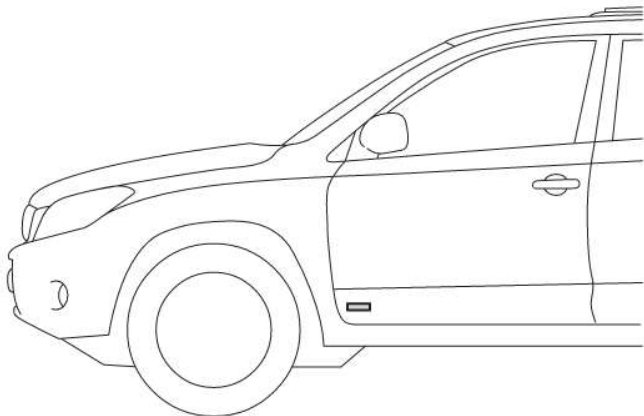
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ET-28

EXTERIOR – NAME PLATE

ET



T

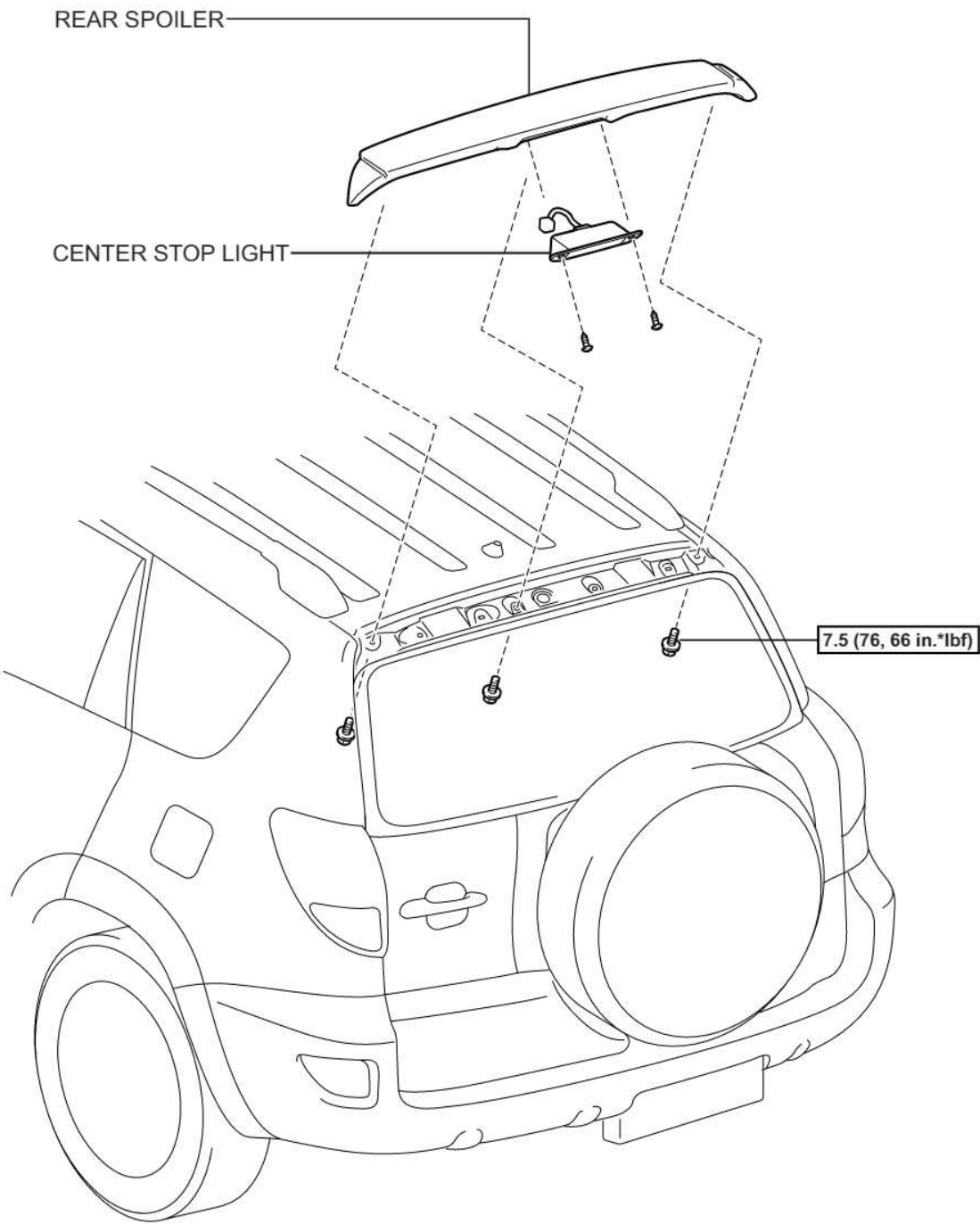
B130256E03

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ET-34

EXTERIOR – REAR SPOILER

REAR SPOILER
COMPONENTS



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

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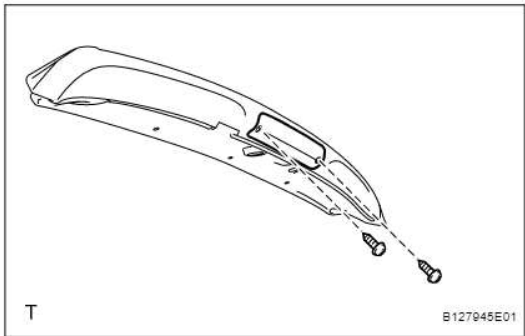
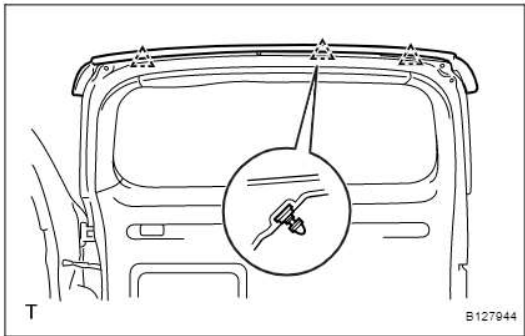
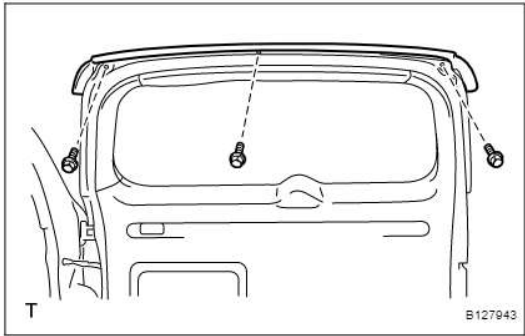
REMOVAL

HINT:
When removing the spoiler, heat the vehicle body and spoiler using a heat light.
Standard heating temperature

Item	Specified Condition
Vehicle body	40 to 60°C (104 to 140°F)
Spoiler	20 to 30°C (68 to 86°F)

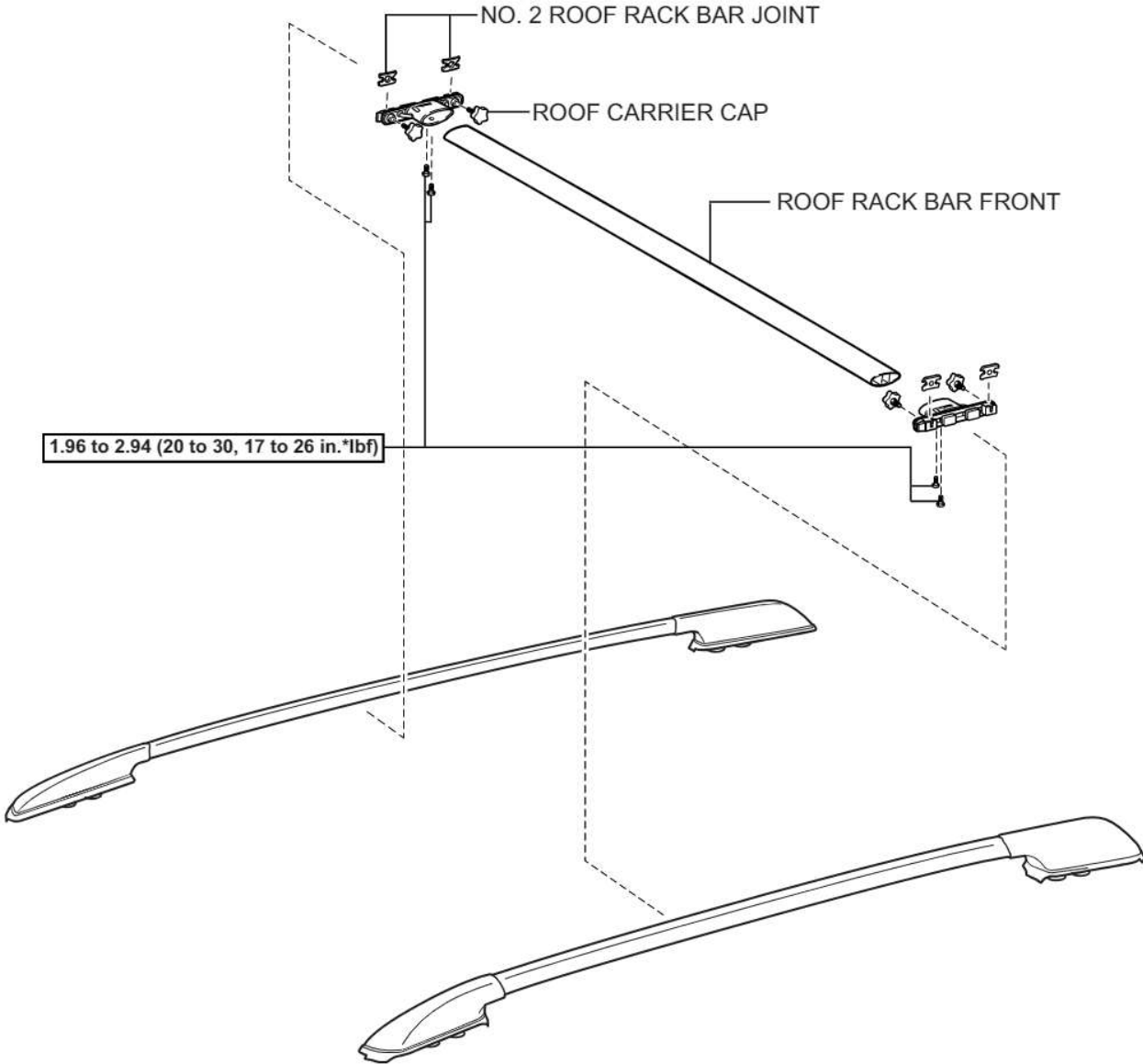
NOTICE:
Do not heat the vehicle body and spoiler excessively.

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
- CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
2. REMOVE BACK DOOR CENTER GARNISH (See page ED-59)
3. REMOVE REAR SPOILER
- (a) Remove the 3 bolts.



- (b) Remove the 3 clips and spoiler.
- (c) Disconnect the center stop light connector and remove the rear spoiler.
4. REMOVE CENTER STOP LIGHT
- (a) Remove the 2 screws and center stop light.

ROOF RACK COMPONENTS



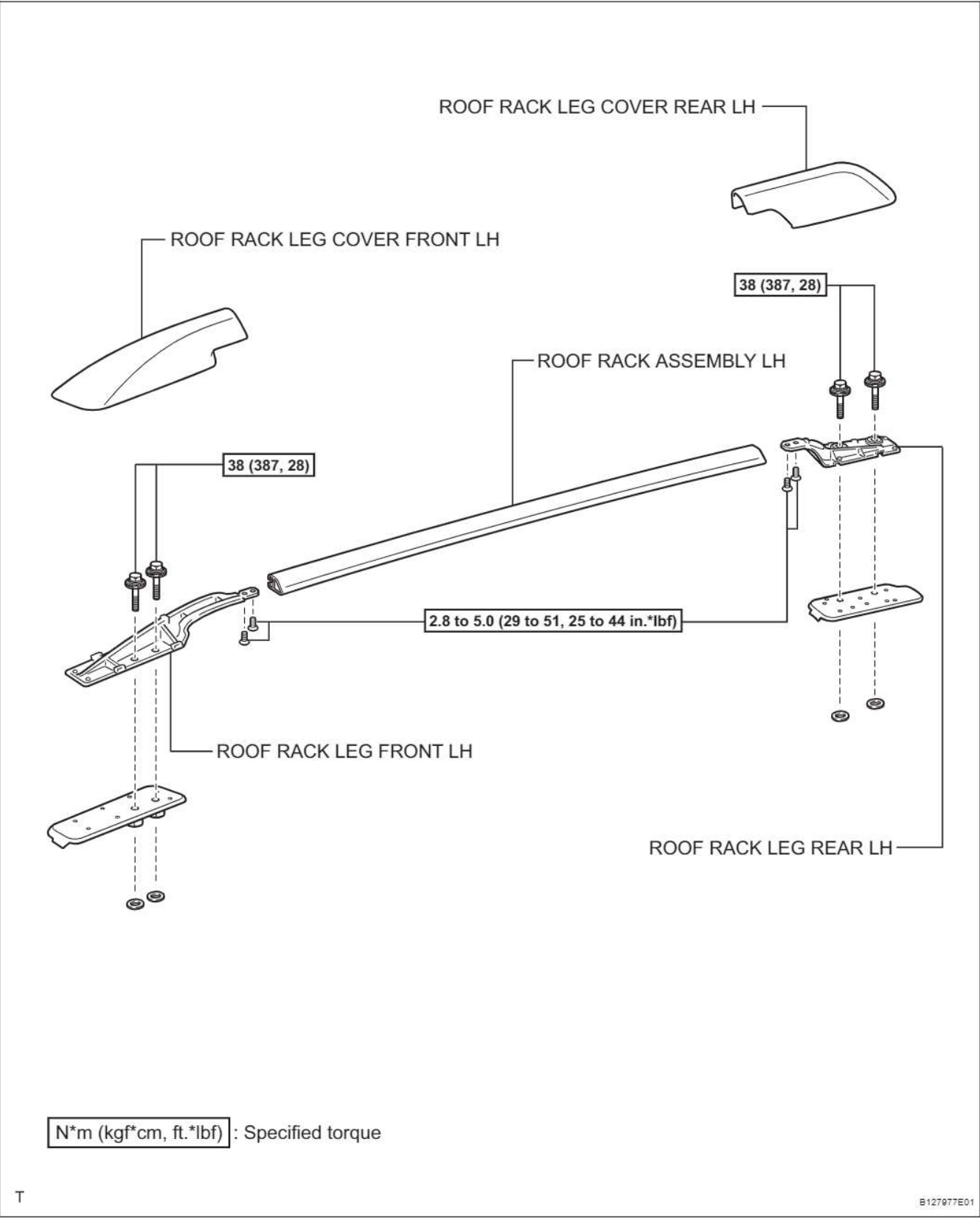
N*m (kgf*cm, ft.*lbf) : Specified torque

T

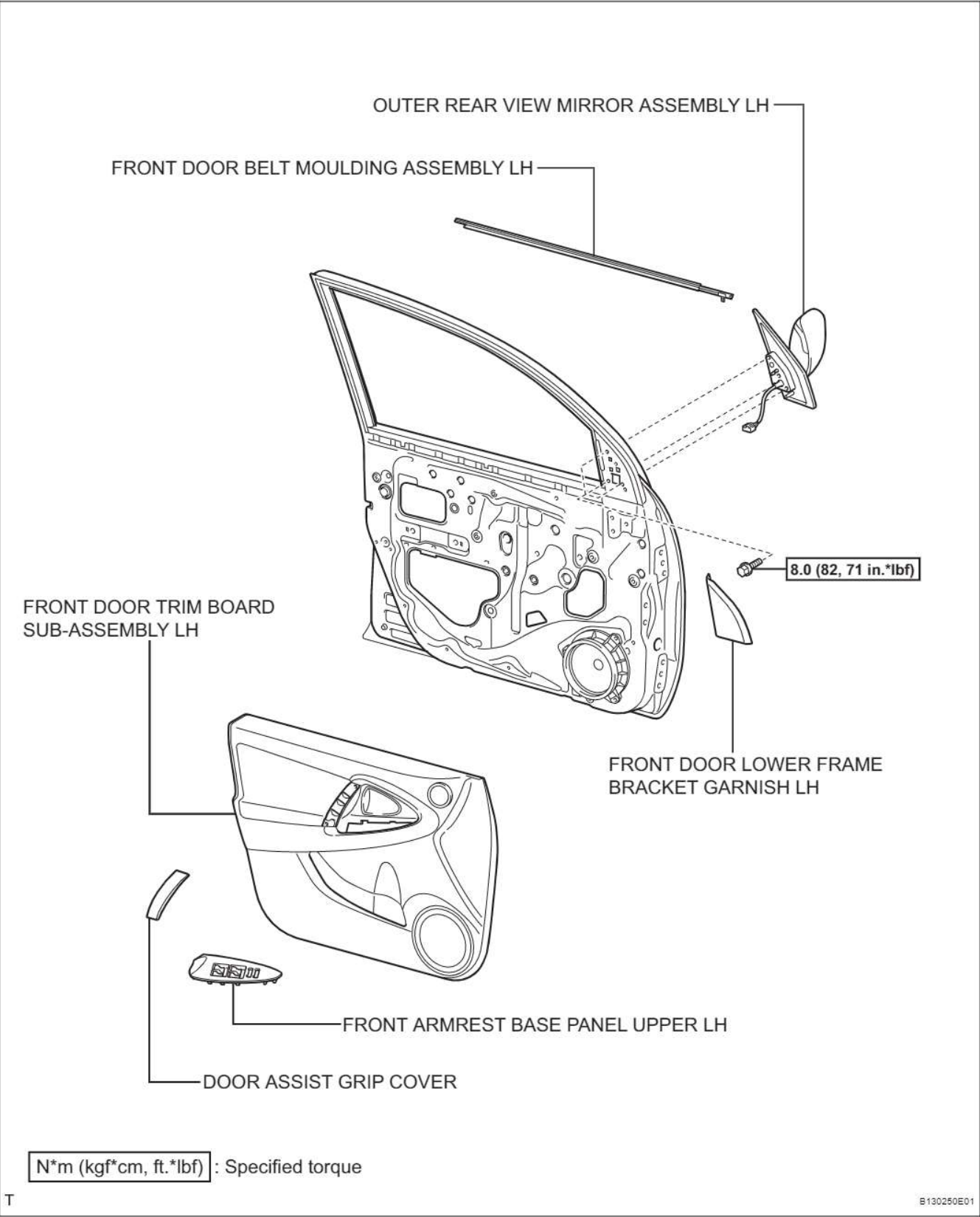
B127982E02

ET-38

EXTERIOR – ROOF RACK



FRONT DOOR BELT MOULDING
COMPONENTS



REMOVAL

HINT:

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

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

NOTICE:

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

2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH (See page [ED-19](#))

3. REMOVE FRONT ARMREST BASE PANEL UPPER LH (See page [ED-19](#))

4. REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH (See page [ED-20](#))

5. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY LH (See page [MI-8](#))

6. REMOVE FRONT DOOR BELT MOULDING ASSEMBLY LH

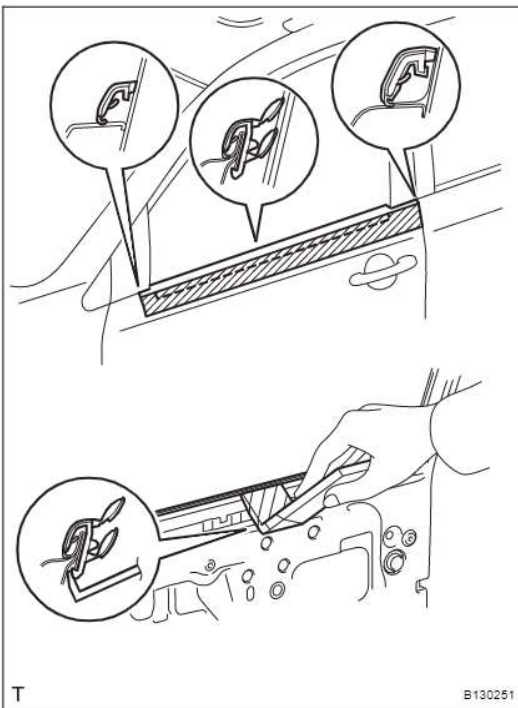
- Put protective tape under the belt moulding.
- Using a moulding remover, detach the claws to remove the belt moulding as shown in the illustration.

HINT:

Tape the remover tip before use.

NOTICE:

Be careful when removing the belt moulding as there are claws attached to the front and rear ends of the belt moulding.

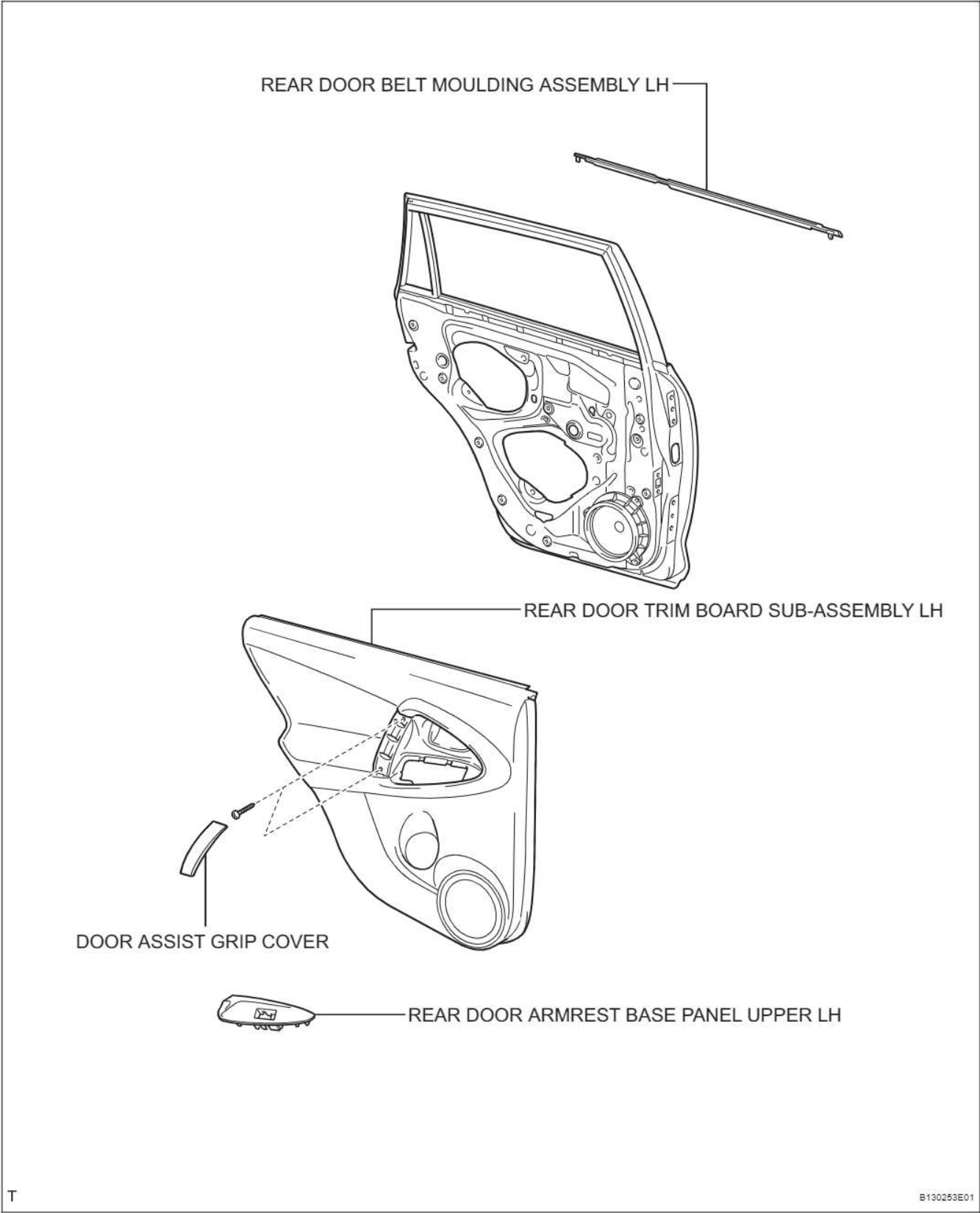


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REAR DOOR BELT MOULDING

COMPONENTS



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ET-46

EXTERIOR – REAR DOOR BELT MOULDING

REMOVAL

HINT:

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

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

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

2. REMOVE REAR DOOR ARMREST BASE PANEL UPPER LH (See page [ED-40](#))3. REMOVE REAR DOOR TRIM BOARD SUB-ASSEMBLY LH (See page [ED-40](#))

4. REMOVE REAR DOOR BELT MOULDING ASSEMBLY LH

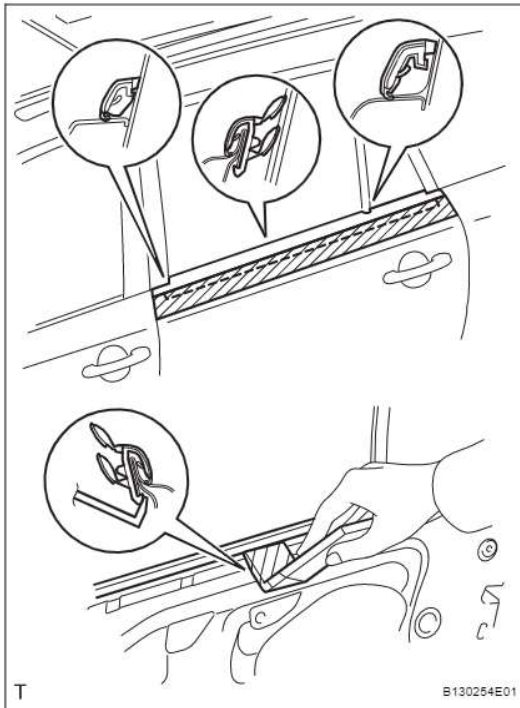
- Put protective tape under the belt moulding.
- Using a moulding remover, detach the claws to remove the belt moulding as shown in the illustration.

HINT:

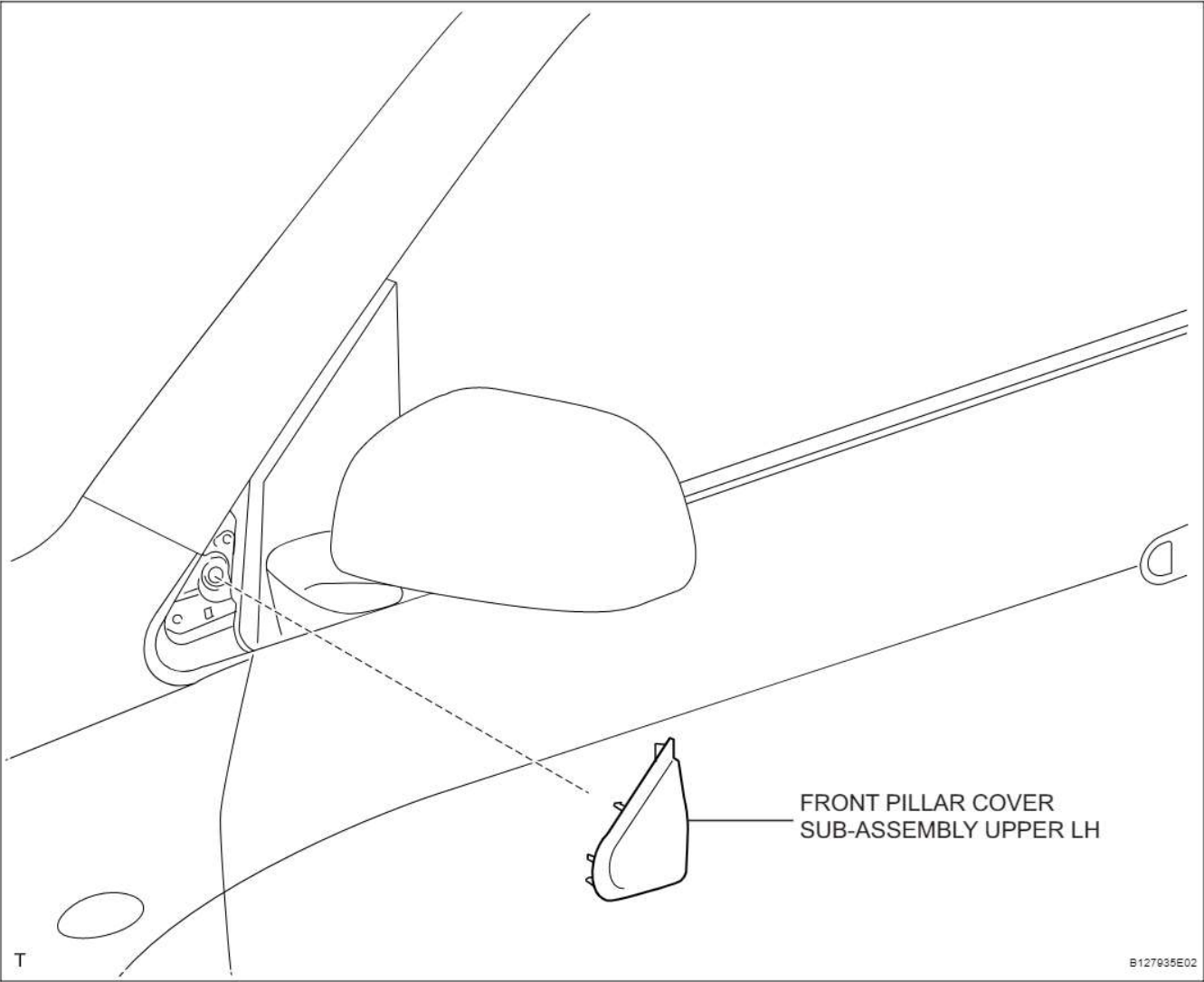
Tape the remover tip before use.

NOTICE:

Be careful when removing the belt moulding as there are claws attached to the front and rear ends of the belt moulding.



FRONT PILLAR UPPER COVER
COMPONENTS



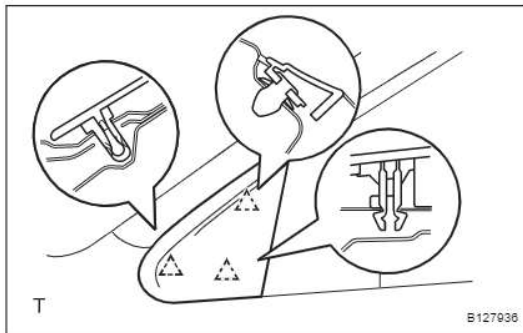
ET
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ET-48**EXTERIOR – FRONT PILLAR UPPER COVER****REMOVAL****HINT:**

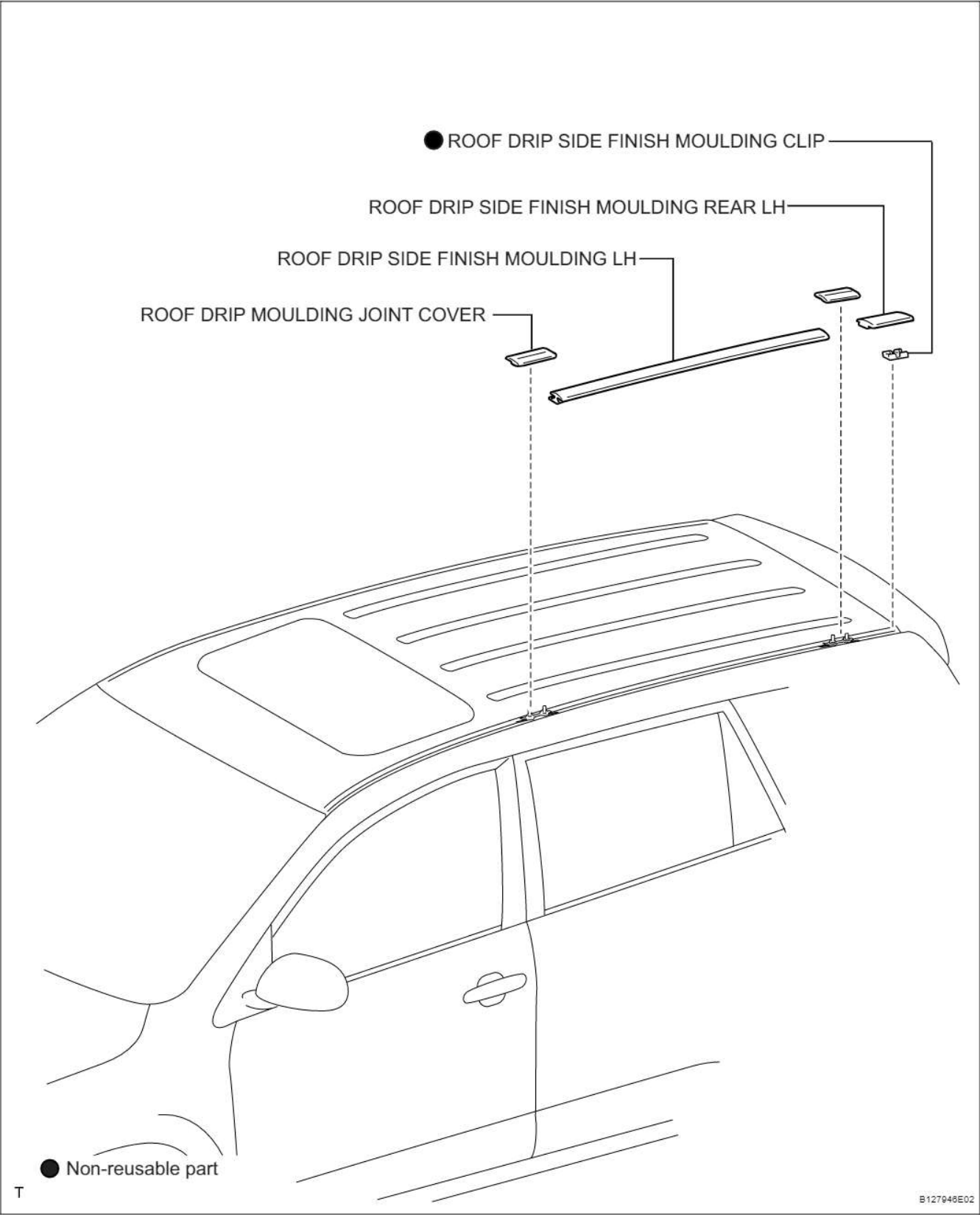
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE FRONT PILLAR COVER SUB-ASSEMBLY UPPER LH

- (a) Using a moulding remover, detach the 3 clips and remove the pillar cover.

**ET**

ROOF DRIP SIDE FINISH MOULDING COMPONENTS



ET-50

EXTERIOR – ROOF DRIP SIDE FINISH MOULDING

REMOVAL

HINT:

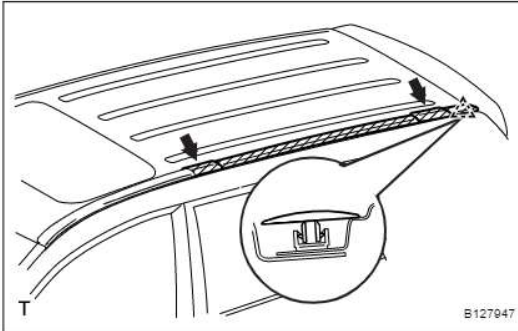
- Use the same procedures for the RH side and LH side.
- The procedures listed below are for the LH side.

1. REMOVE ROOF DRIP SIDE FINISH MOULDING LH

- (a) Remove the 2 roof drip moulding joint covers from the vehicle body.
- (b) Remove the roof drip side finish moulding and No. 2 center roof drip side finish moulding.

NOTICE:

- Do not remove the clips from the vehicle body.
- If the clips are damaged or removed accidentally, replace them.

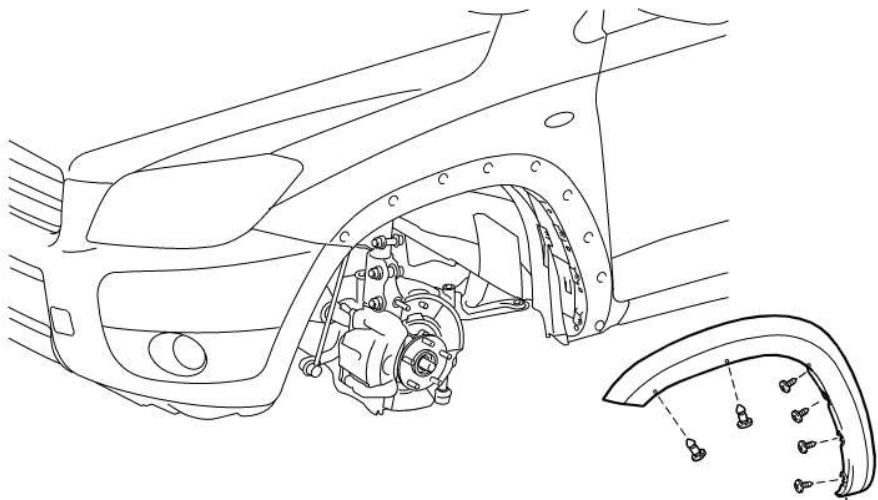


ET

ET-52

EXTERIOR – OUTSIDE MOULDING

OUTSIDE MOULDING
COMPONENTS



FRONT FENDER MOULDING SUB-ASSEMBLY LH

QUARTER OPENING RETAINER LH

NO. 2 ROCKER PANEL MOULDING RETAINER LH

NO. 2 REAR WHEEL OPENING EXTENSION LH

NO. 1 ROCKER PANEL MOULDING RETAINER LH

REAR QUARTER OUTSIDE MOULDING LH

NO. 1 REAR WHEEL OPENING EXTENSION LH

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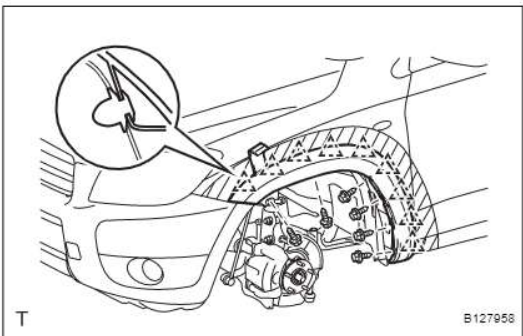
REMOVAL

- HINT:
- Use the same procedures for the RH side and LH side.
 - The procedures listed below are for the LH side.
 - When removing the moulding, heat the vehicle body and moulding using a heat light.
- Standard heating temperature

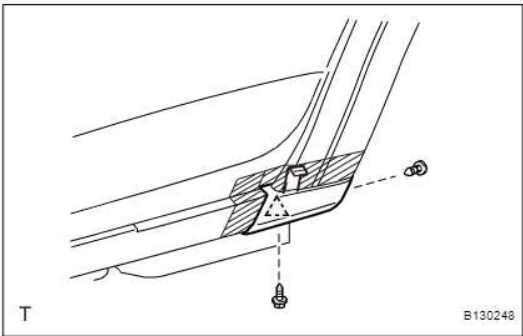
Item	Specified Condition
Vehicle body	40 to 60°C (104 to 140°F)
Clip	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the vehicle body and moulding excessively.

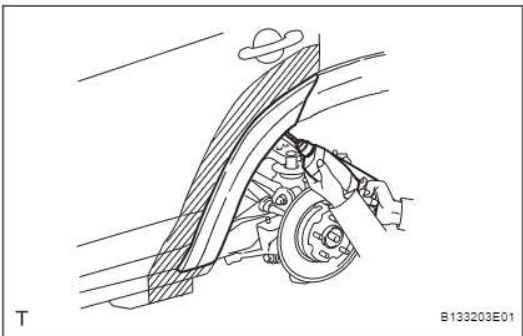
ET



1. REMOVE FRONT FENDER MOULDING SUB-ASSEMBLY LH
- (a) Put protective tape around the moulding.
 - (b) Remove the 4 screws and detach the 2 clips.
 - (c) Using a moulding remover, detach the 9 clips and remove the moulding.
- NOTICE:
- If reusing the moulding, take care not to damage the moulding.
 - Be careful not to damage the vehicle body.



2. REMOVE NO. 2 REAR WHEEL OPENING EXTENSION LH
- (a) Put protective tape around the moulding.
 - (b) Remove the screw.
 - (c) Using a clip remover, detach the 2 clips and remove the extension.
- NOTICE:
- If reusing the extension, take care not to damage the extension.
 - Be careful not to damage the vehicle body.



3. REMOVE NO. 1 REAR WHEEL OPENING EXTENSION LH
- (a) Put protective tape around the extension.
 - (b) Using a drill bit of less than ϕ 4 mm (0.16 in.), drill out the 3 rivet flanges.
- HINT:
Wind tape around the drill bit approximately 5 mm (0.20 in.) from the tip of the drill.
- NOTICE:
- Do not drill the rivet at an angle as this will cause damage to the drill and drill hole. Line up the drill and rivet, and carefully drill out the rivet head.
 - Be careful as the cut rivet will be very hot.
- (c) Continue drilling and push out the remaining rivet fragments using the drill.
 - (d) Using a vacuum cleaner, remove the rivet fragments and shavings from the drilled areas.

ET-54

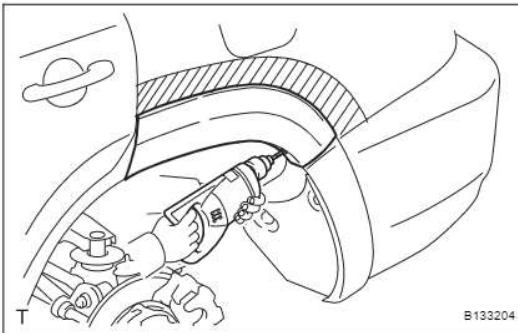
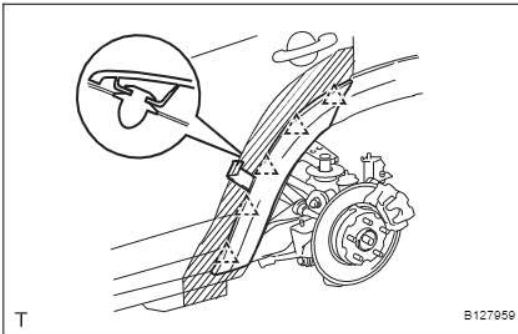
EXTERIOR – OUTSIDE MOULDING

- (e) Using a heat light, heat the extension and vehicle body.
- (f) Cut the double-sided tape that holds the moulding to the vehicle body with a knife.

NOTICE:

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

- (g) Using a moulding remover, detach the 5 clips and remove the extension.

**4. REMOVE REAR QUARTER OUTSIDE MOULDING LH**

- (a) Put protective tape around the moulding.
- (b) Using a drill bit of less than ϕ 4 mm (0.16 in.), drill out the 3 rivet flanges.

HINT:

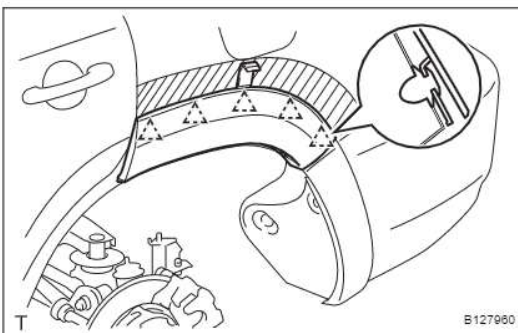
Wind tape around the drill bit approximately 5 mm (0.20 in.) from the tip of the drill.

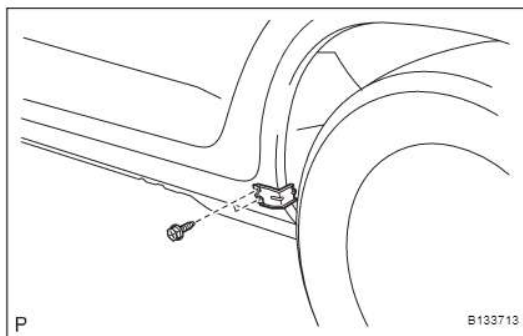
NOTICE:

- Do not drill the rivet at an angle as this will cause damage to the drill and drill hole. Line up the drill and rivet, and carefully drill out the rivet head.
- Be careful as the cut rivet will be very hot.
- (c) Continue drilling and push out the remaining rivet fragments using the drill.
- (d) Using a vacuum cleaner, remove the rivet fragments and shavings from the drilled areas.
- (e) Using a heat light, heat the moulding and vehicle body.
- (f) Using a moulding remover, detach the 5 clips and remove the moulding.

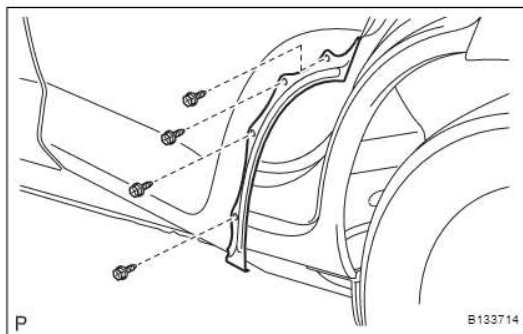
NOTICE:

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

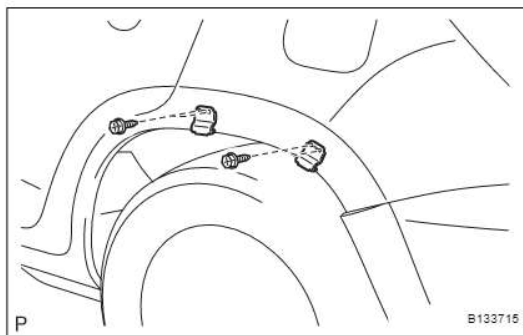


EXTERIOR – OUTSIDE MOULDING**ET-55****5. REMOVE NO. 2 ROCKER PANEL MOULDING RETAINER LH**

(a) Remove the 2 screws and retainer.

**6. REMOVE QUARTER OPENING RETAINER LH**

(a) Remove the 4 screws and retainer.

**7. REMOVE NO. 1 ROCKER PANEL MOULDING RETAINER LH**

(a) Remove the 4 screws and 2 retainers.

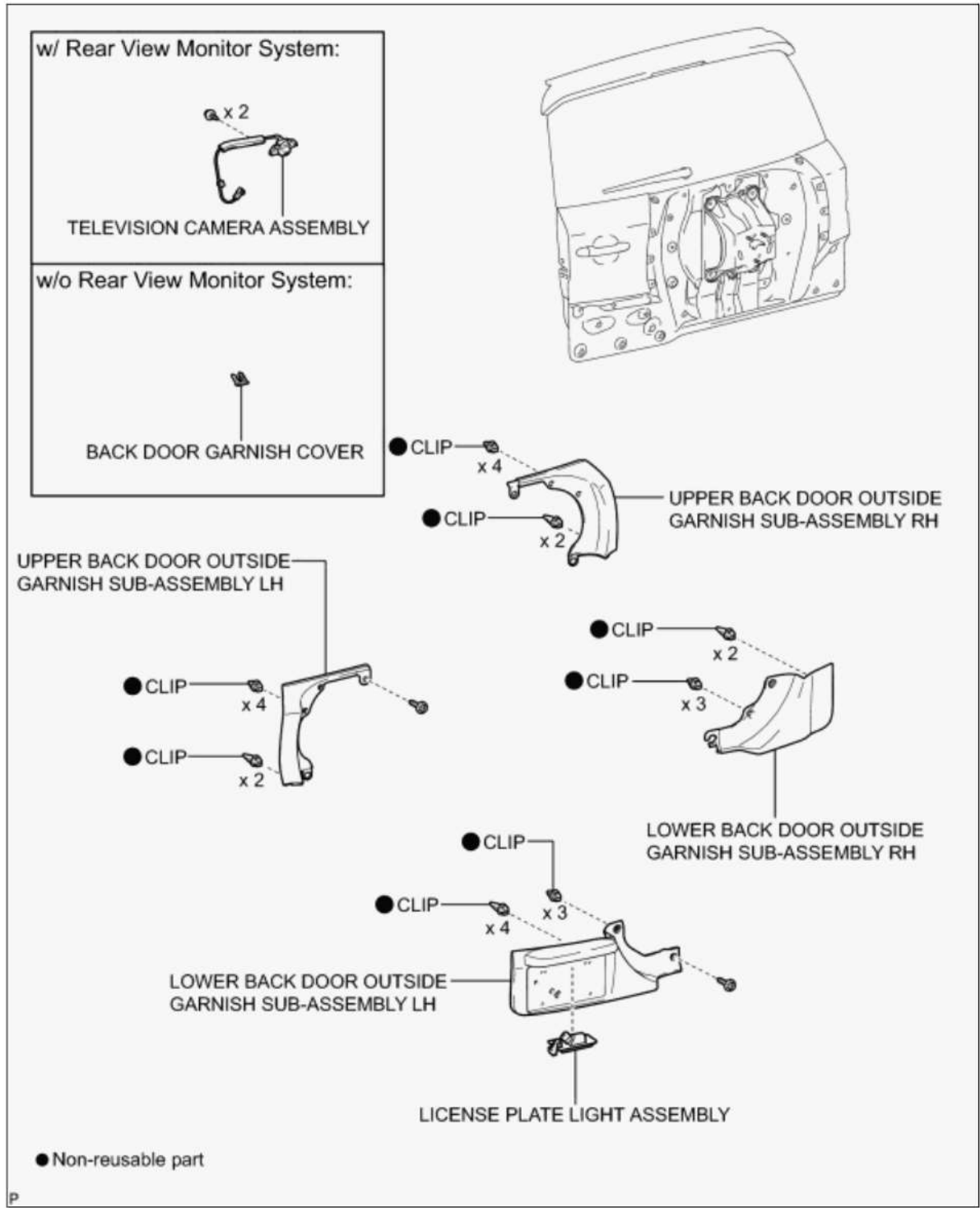
ET

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Last Modified: 9-7-2011	6.4 K	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000001SKZ007X
Title: EXTERIOR: BACK DOOR OUTSIDE GARNISH (w/ Tire Carrier): COMPONENTS (2011 RAV4)		

COMPONENTS

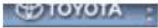
ILLUSTRATION



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EXTERIOR: BACK DOOR OUTSIDE GARNISH (w/ Tire Carrier): ...

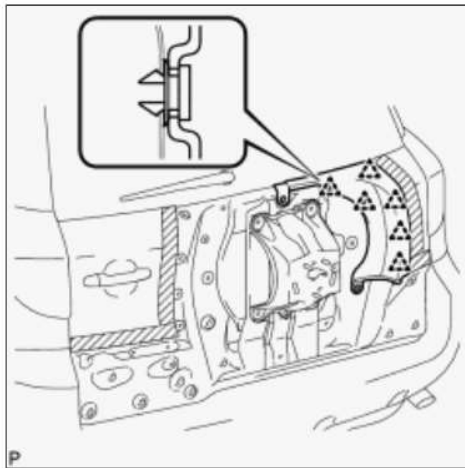
<https://techinfo.toyota.com/t3Portal/document/rm/RM16B0U/xhtml/RM...>



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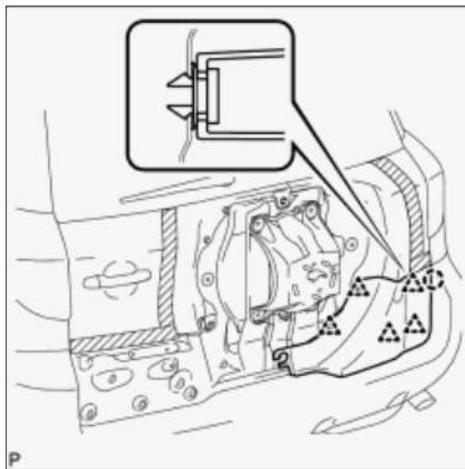
Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000015SF00IX
Title: EXTERIOR: BACK DOOR OUTSIDE GARNISH (w/ Tire Carrier): INSTALLATION (2011 RAV4)		

INSTALLATION



1. INSTALL UPPER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY RH

- (a) Install 6 new clips to the back door outside garnish.
- (b) Attach the 6 clips to install the back door outside garnish.

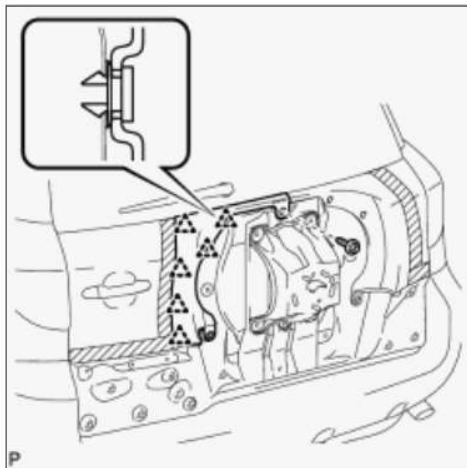


2. INSTALL LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY RH

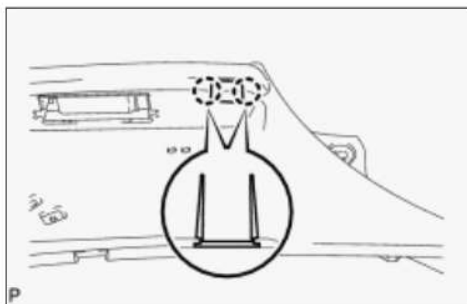
- (a) Install 5 new clips to the back door outside garnish.
- (b) Attach the claw and 5 clips to install the back door outside garnish.

3. INSTALL UPPER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY LH

- (a) Install 6 new clips to the back door outside garnish.
- (b) Attach the 6 clips to install the back door outside garnish.
- (c) Install the screw.



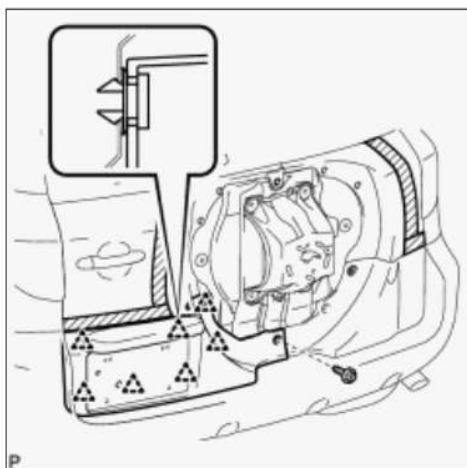
4. INSTALL LICENSE PLATE LIGHT ASSEMBLY INFO



5. INSTALL BACK DOOR GARNISH COVER (w/o Rear View Monitor System)

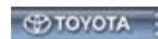
- (a) Attach the 2 claws to install the back door garnish cover.

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



7. INSTALL LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY LH

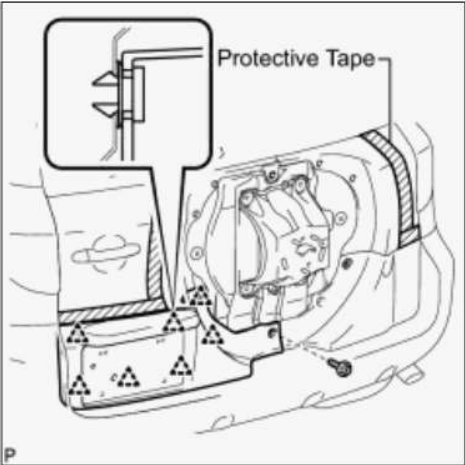
- (a) Install 7 new clips to the back door outside garnish.
- (b) w/ Rear View Monitor System:
Connect the 2 connectors.
- (c) w/o Rear View Monitor System:
Connect the connector.
- (d) Attach the 7 clips to install the back door outside garnish.
- (e) Install the screw.



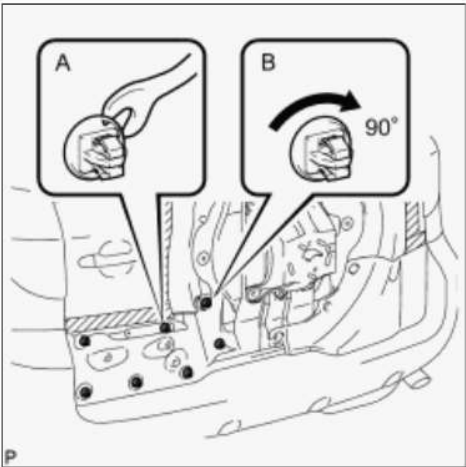
Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000015SH00IX
Title: EXTERIOR: BACK DOOR OUTSIDE GARNISH (w/ Tire Carrier): REMOVAL (2011 RAV4)		

REMOVAL

1. REMOVE LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY LH



- (a) Put protective tape around the back door outside garnish.
- (b) Remove the screw.
- (c) Using a moulding remover, detach the 7 clips and remove the back door outside garnish.
- (d) w/o Rear View Monitor System:
Disconnect the connector.
- (e) w/ Rear View Monitor System:
Disconnect the 2 connectors.

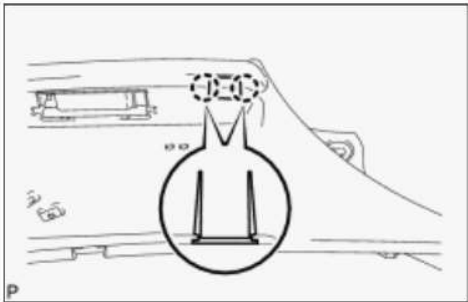


- (f) Using a clip remover, remove the clip labeled A.

- (g) Turn the 6 clips 90° as shown in the part of the illustration labeled B, and remove them.

2. REMOVE TELEVISION CAMERA ASSEMBLY (w/ Rear View Monitor System)

INFO



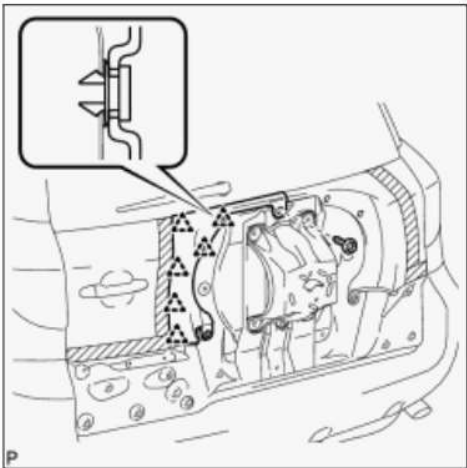
3. REMOVE BACK DOOR GARNISH COVER (w/o Rear View Monitor System)

(a) Detach 2 claws and remove the back door garnish cover.

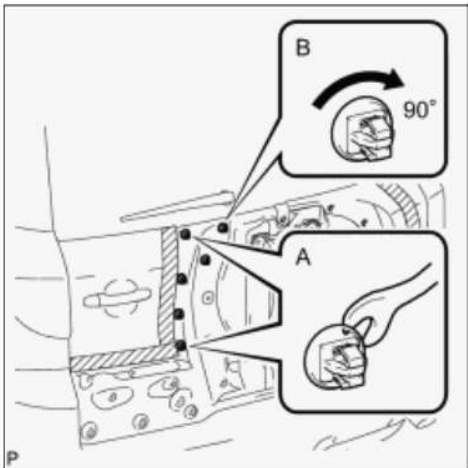
4. REMOVE LICENSE PLATE LIGHT ASSEMBLY

INFO

5. REMOVE UPPER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY LH



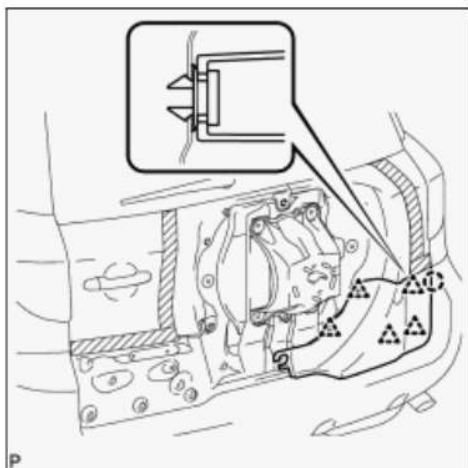
- (a) Remove the screw.
- (b) Using a moulding remover, detach the 6 clips and remove the back door outside garnish.



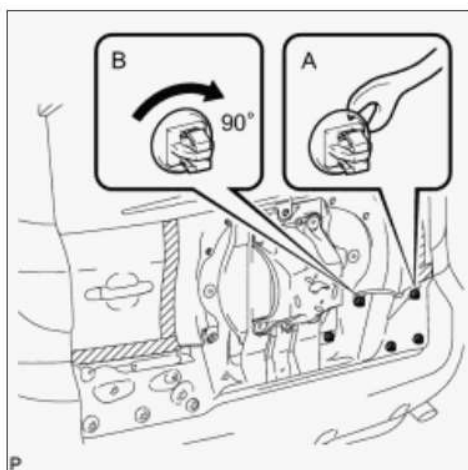
- (c) Using a clip remover, remove the 2 clips labeled A.

(d) Turn the 4 clips 90° as shown in the part of the illustration labeled B, and remove them.

6. REMOVE LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY RH



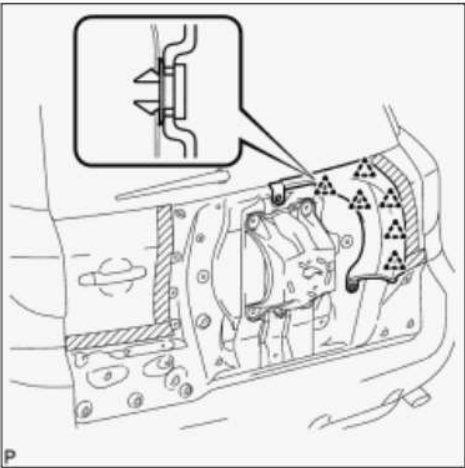
(a) Detach the 5 clips and claw, and remove the back door outside garnish.



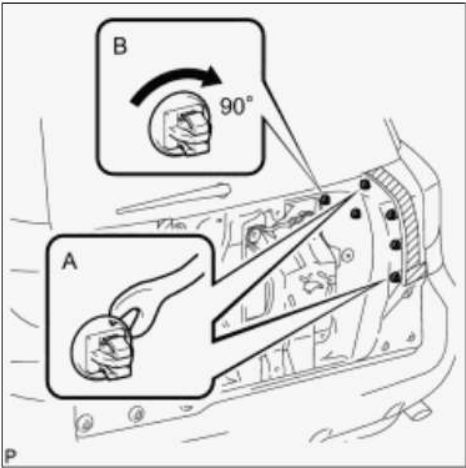
(b) Using a clip remover, remove the clip labeled A.

(c) Turn the 4 clips 90° as shown in the part of the illustration labeled B, and remove them.

7. REMOVE UPPER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY RH

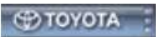


(a) Detach the 6 clips and remove the back door outside garnish.



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

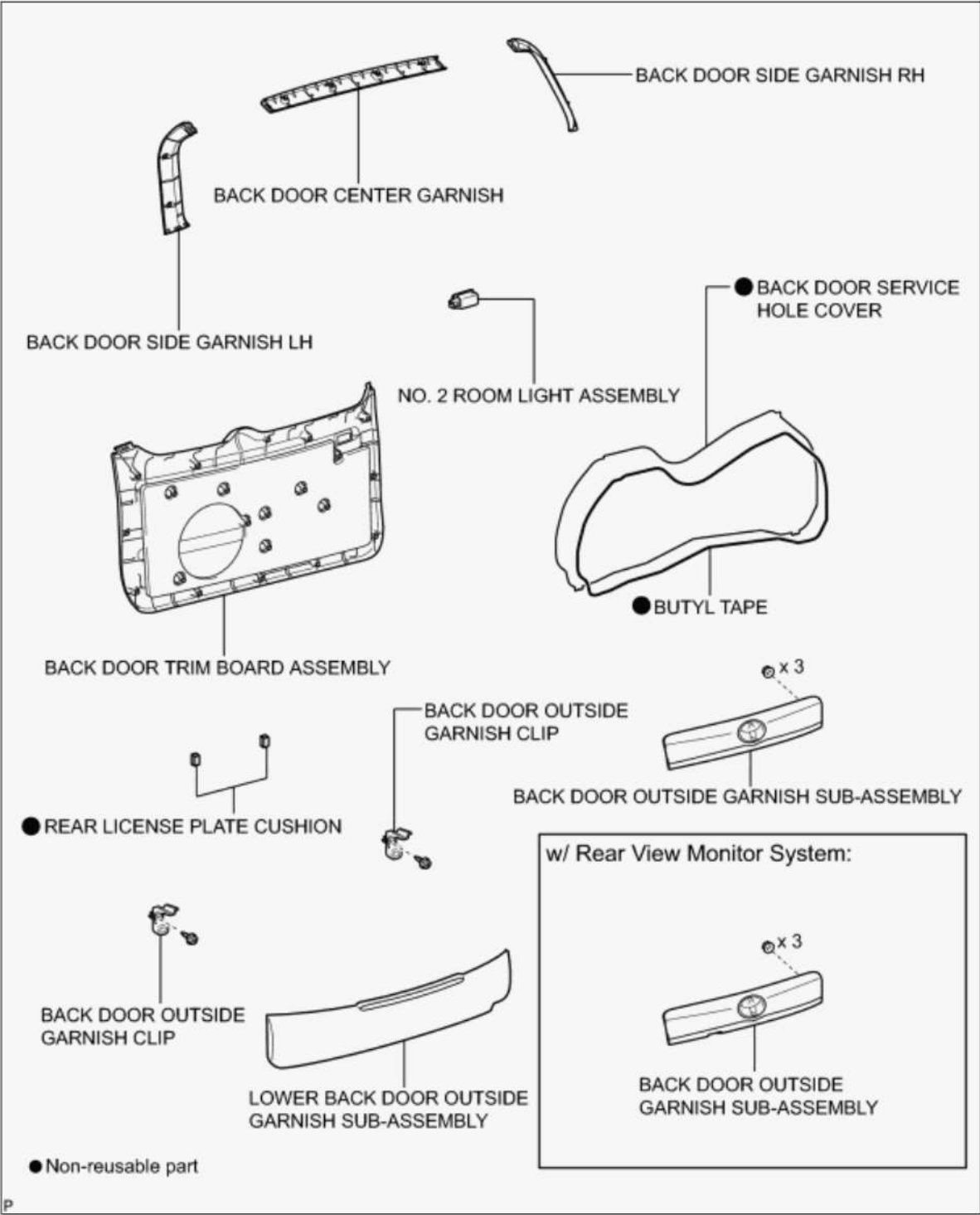
(c) Turn the 4 clips 90° as shown in the part of the illustration labeled B, and remove them.



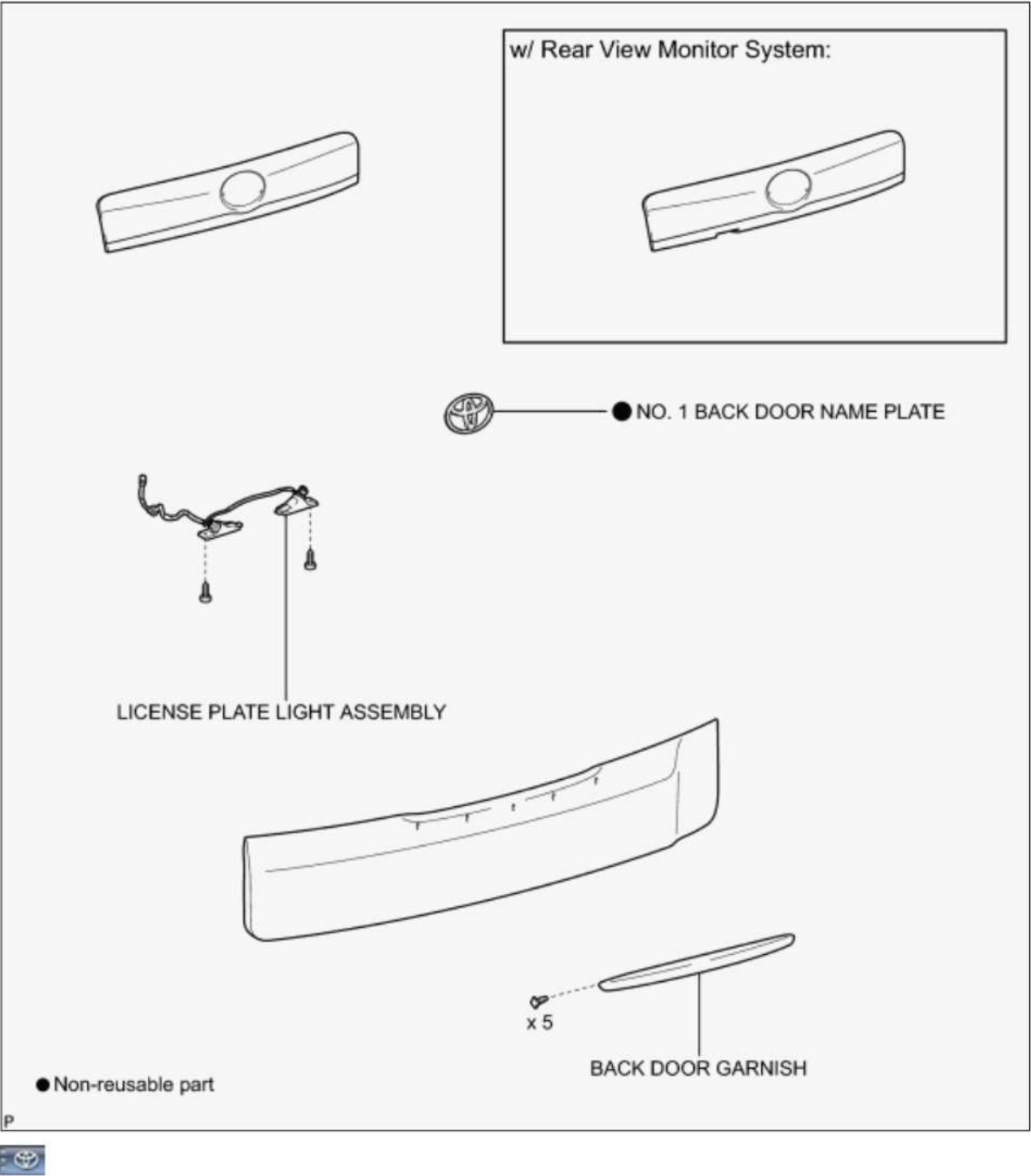
Last Modified: 9-7-2011	6.4 K	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000003PN5004X
Title: EXTERIOR: BACK DOOR OUTSIDE GARNISH (w/o Tire Carrier): COMPONENTS (2011 RAV4)		

COMPONENTS

ILLUSTRATION



ILLUSTRATION



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Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000003PN4004X
Title: EXTERIOR: BACK DOOR OUTSIDE GARNISH (w/o Tire Carrier): INSTALLATION (2011 RAV4)		

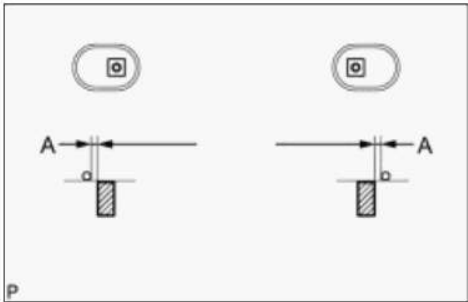
INSTALLATION

NOTICE:
Do not heat the back door outside garnish and emblem excessively.

HINT:
When installing the emblem, heat the back door outside garnish and emblem using a heat light.

Standard:

ITEM	SPECIFIED CONDITION
Back door outside garnish	20 to 30°C (68 to 86°F)
Emblem	20 to 30°C (68 to 86°F)

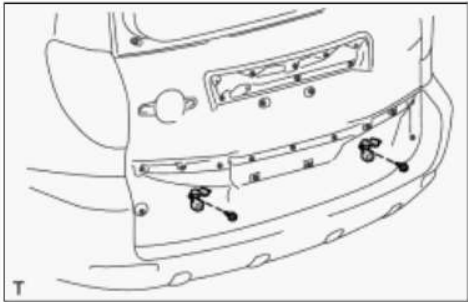


1. INSTALL REAR LICENSE PLATE CUSHION

- (a) Wipe off any tape adhesive residue with cleaner.
- (b) Install 2 new cushions.

Standard:

AREA	SPECIFIED CONDITION
A	4.5 mm (0.177 in.)

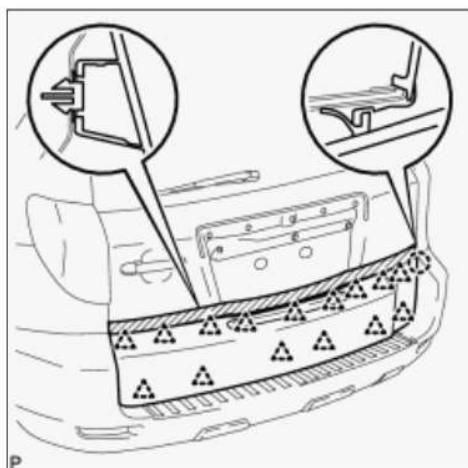
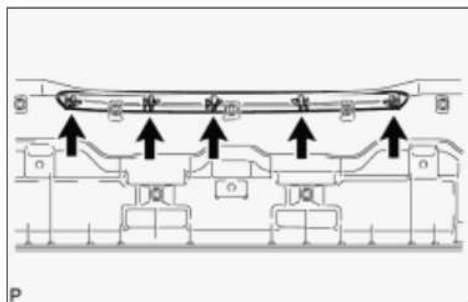


2. INSTALL BACK DOOR OUTSIDE GARNISH CLIP

- (a) Install the 2 clips with the 2 screws.

3. INSTALL BACK DOOR GARNISH

- (a) Install the back door garnish with the 5 clips.



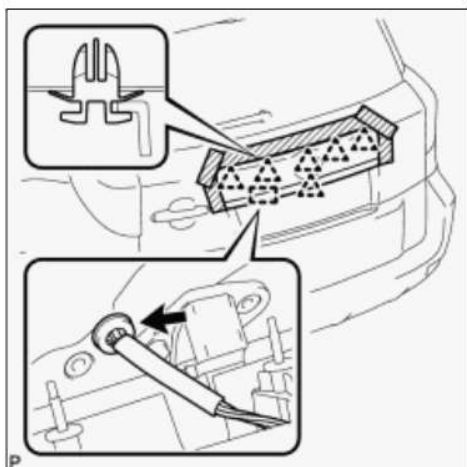
4. INSTALL LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY

- (a) Attach the 15 clips and claw to install the back door outside garnish.

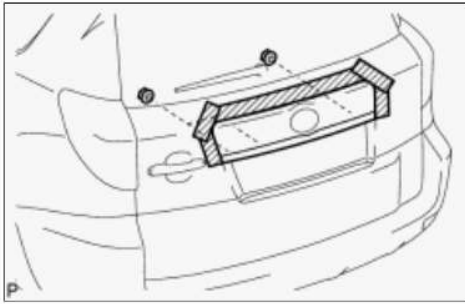
5. INSTALL NO. 1 BACK DOOR NAME PLATE INFO

6. INSTALL LICENSE PLATE LIGHT ASSEMBLY INFO

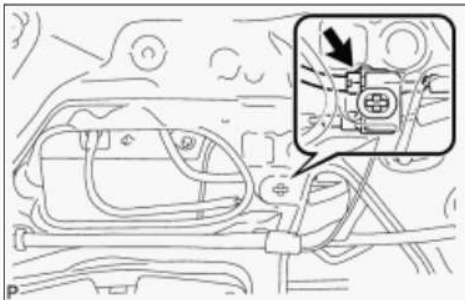
7. INSTALL BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY



- (a) Install the grommet to the back door panel.
(b) Attach the 6 clips to install the back door outside garnish.



(c) Install the 3 nuts.



(d) Connect the connector.

8. INSTALL BACK DOOR SERVICE HOLE COVER [INFO](#)

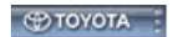
9. INSTALL BACK DOOR TRIM BOARD ASSEMBLY [INFO](#)

10. INSTALL NO. 2 ROOM LIGHT ASSEMBLY [INFO](#)

11. INSTALL BACK DOOR SIDE GARNISH LH [INFO](#)

12. INSTALL BACK DOOR SIDE GARNISH RH [INFO](#)

13. INSTALL BACK DOOR CENTER GARNISH [INFO](#)



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000003PN6004X
Title: EXTERIOR: BACK DOOR OUTSIDE GARNISH (w/o Tire Carrier): REMOVAL (2011 RAV4)		

REMOVAL

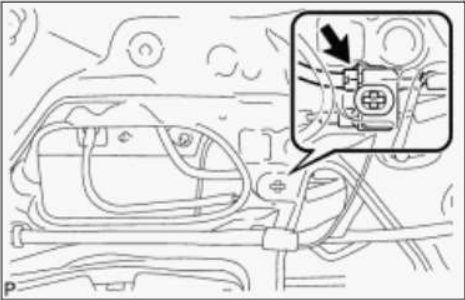
NOTICE:
Do not heat the back door outside garnish and emblem excessively.

HINT:
When removing the emblem, heat the back door outside garnish and emblem using a heat light.

Standard:

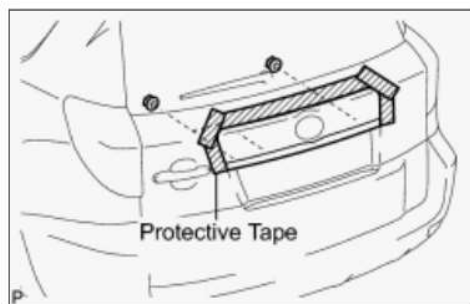
ITEM	SPECIFIED CONDITION
Back door outside garnish	20 to 30°C (68 to 86°F)
Emblem	20 to 30°C (68 to 86°F)

1. REMOVE BACK DOOR CENTER GARNISH [INFO](#)
2. REMOVE BACK DOOR SIDE GARNISH LH [INFO](#)
3. REMOVE BACK DOOR SIDE GARNISH RH [INFO](#)
4. REMOVE NO. 2 ROOM LIGHT ASSEMBLY [INFO](#)
5. REMOVE BACK DOOR TRIM BOARD ASSEMBLY [INFO](#)
6. REMOVE BACK DOOR SERVICE HOLE COVER [INFO](#)
7. REMOVE BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY

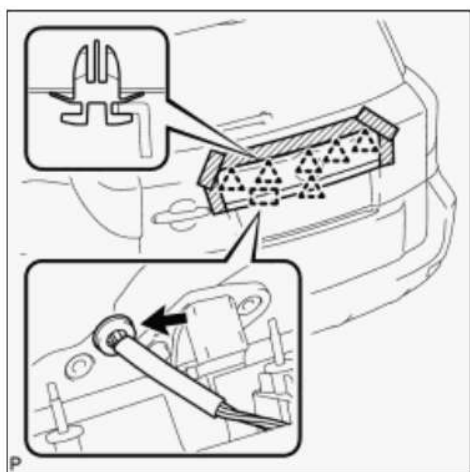


(a) Disconnect the connector.

(b) Put protective tape around the back door outside garnish.



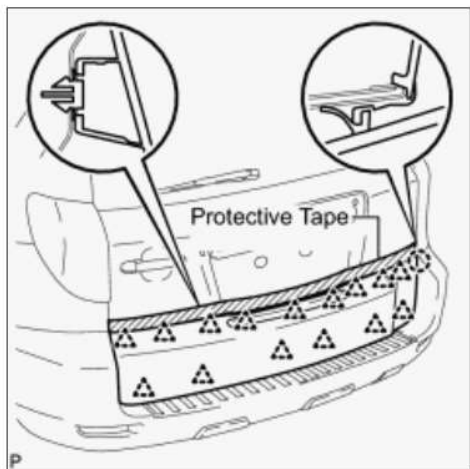
(c) Remove the 3 nuts.



(d) Detach the grommet and 5 clips, and remove the back door outside garnish.

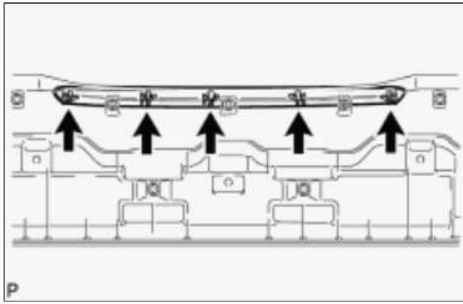
8. REMOVE LICENSE PLATE LIGHT ASSEMBLY INFO

9. REMOVE NO. 1 BACK DOOR NAME PLATE INFO



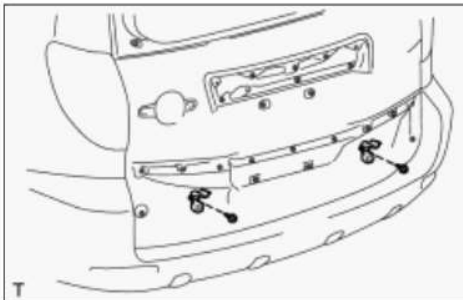
10. REMOVE LOWER BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY

- (a) Put protective tape around the back door outside garnish.
- (b) Detach the 15 clips and claw, and remove the back door outside garnish.



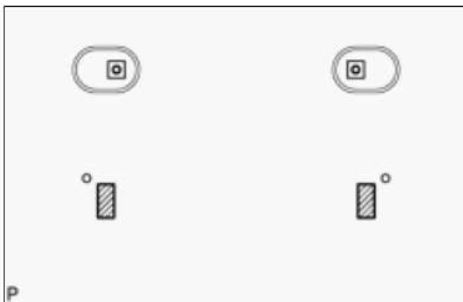
11. REMOVE BACK DOOR GARNISH

(a) Detach the 5 clips and remove the back door garnish.



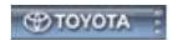
12. REMOVE BACK DOOR OUTSIDE GARNISH CLIP

(a) Remove the 2 screws and 2 clips.



13. REMOVE REAR LICENSE PLATE CUSHION

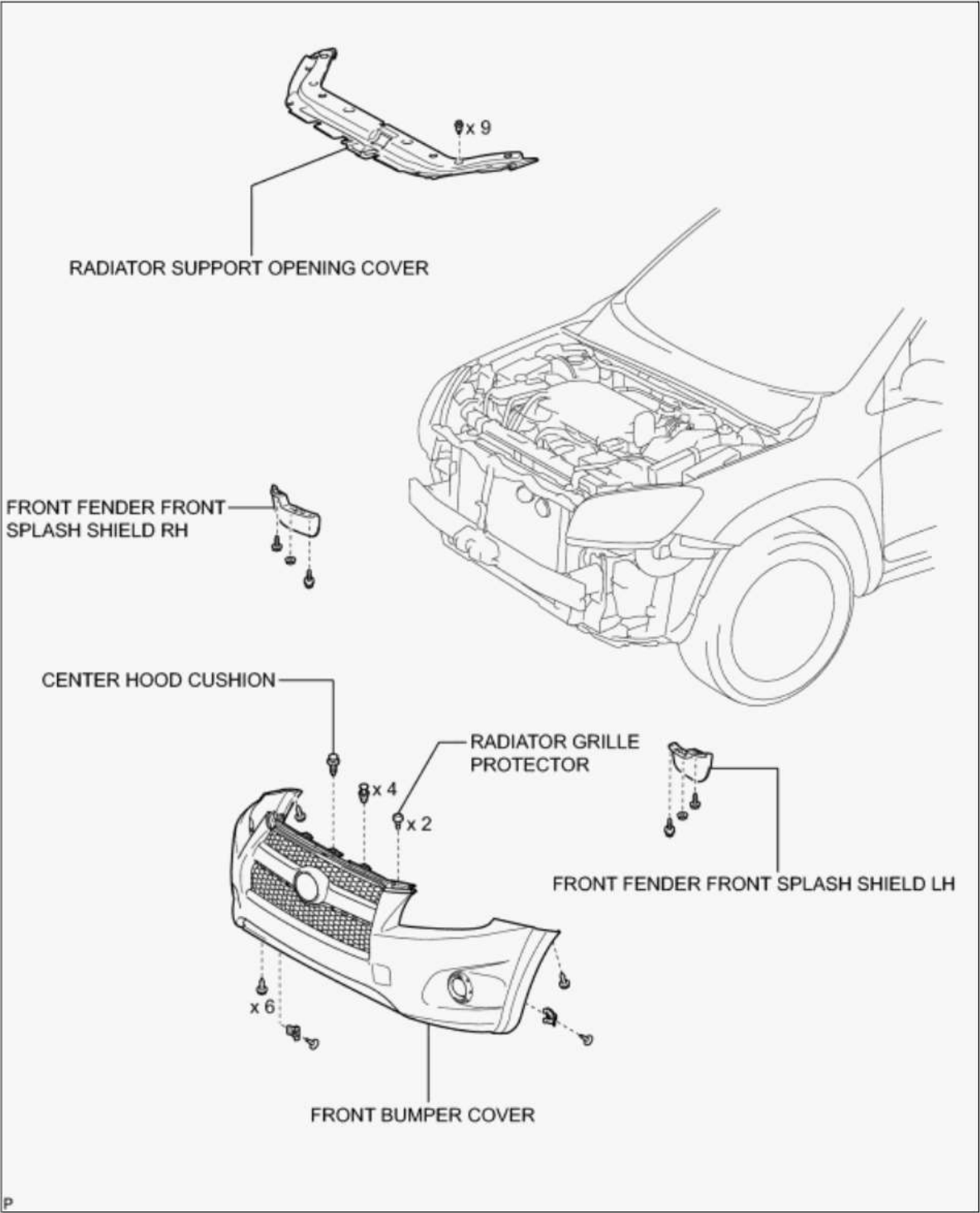
(a) Remove the 2 cushions.



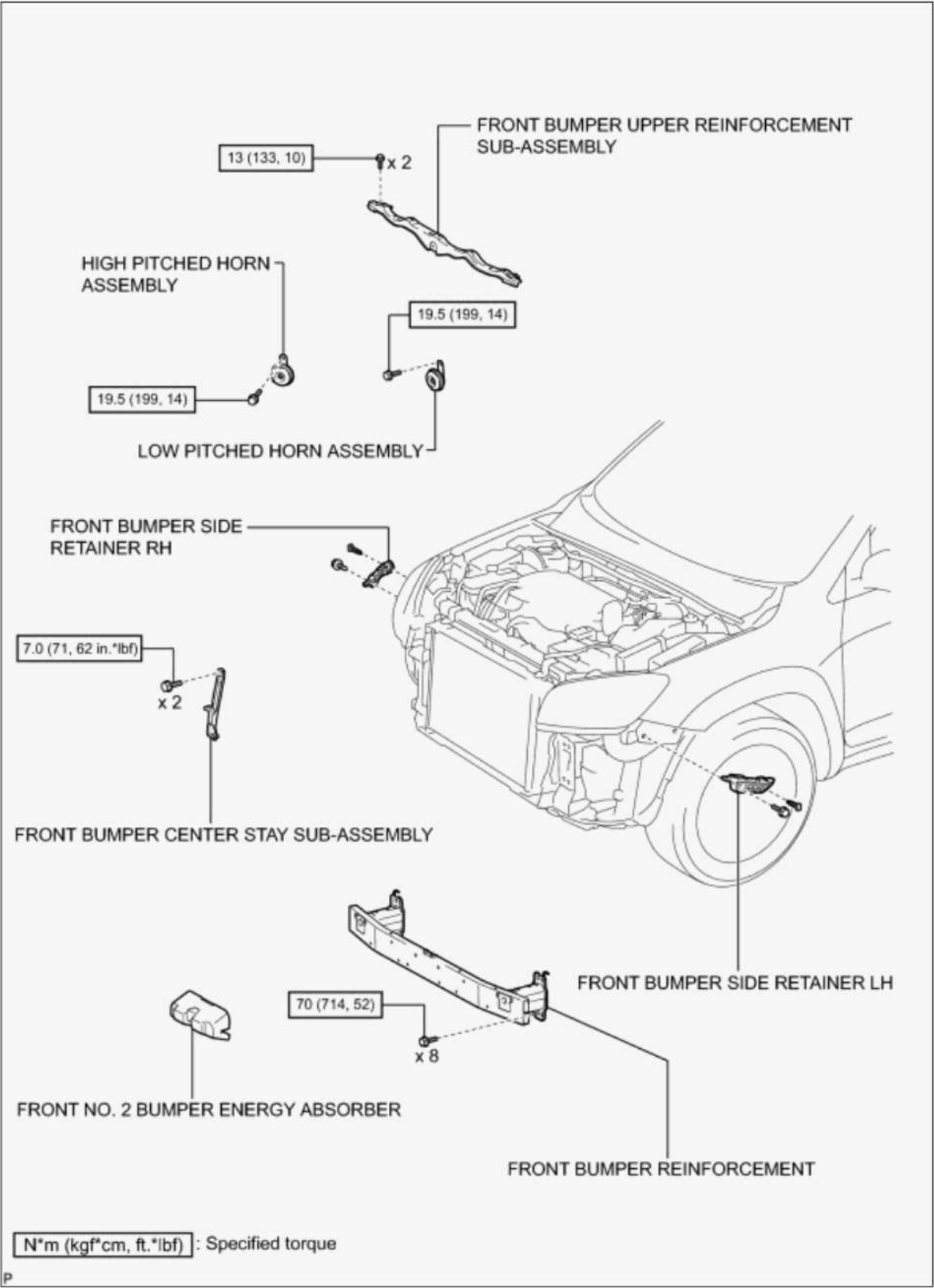
Last Modified: 9-7-2011	6.4 K	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000003PKE009X
Title: EXTERIOR: FRONT BUMPER (w/ Under Guard): COMPONENTS (2011 RAV4)		

COMPONENTS

ILLUSTRATION

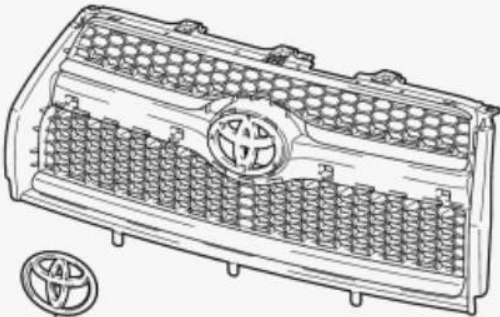


ILLUSTRATION



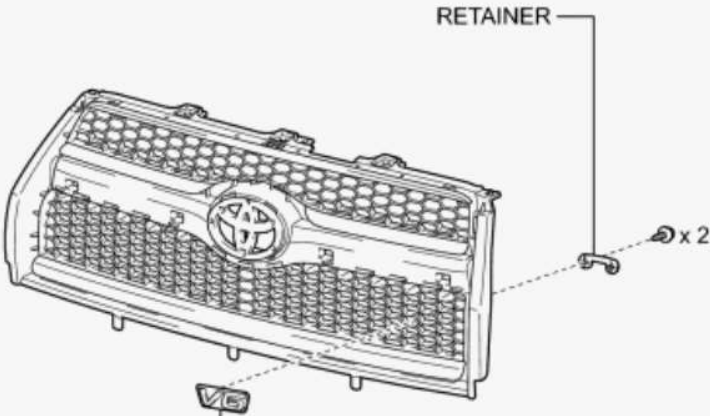
ILLUSTRATION





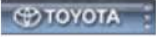
RADIATOR GRILLE (OR FRONT PANEL) EMBLEM

for 2GR-FE:



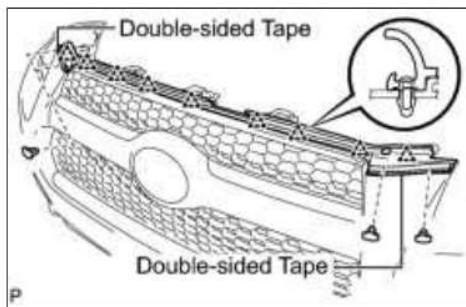
NO. 2 RADIATOR GRILLE EMBLEM

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Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000003PKG009X
Title: EXTERIOR: FRONT BUMPER (w/ Under Guard): DISASSEMBLY (2011 RAV4)		

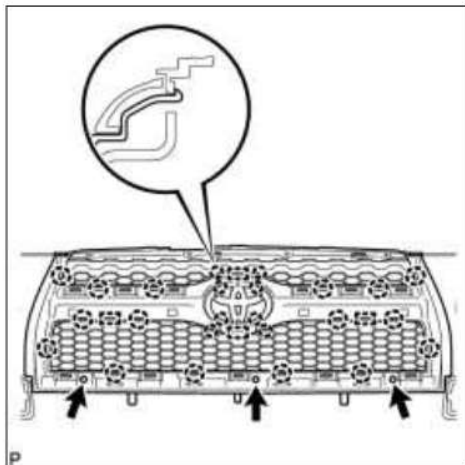
DISASSEMBLY



1. REMOVE HOOD TO RADIATOR GRILLE SEAL

- (a) Remove the 4 clips.
- (b) Detach the 9 clips and remove the hood to radiator grille seal.

2. REMOVE RADIATOR GRILLE SUB-ASSEMBLY

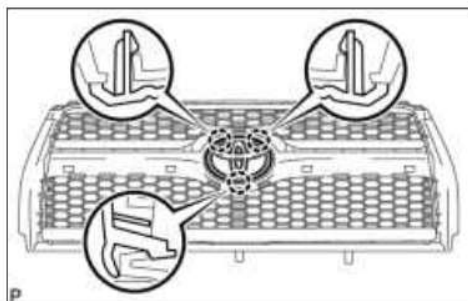
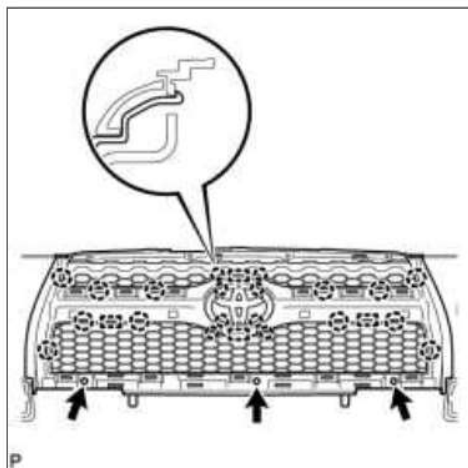


(a) for Type A:

- (1) Remove the 3 bolts.
- (2) Detach the 24 claws and 4 guides, and remove the radiator grille.

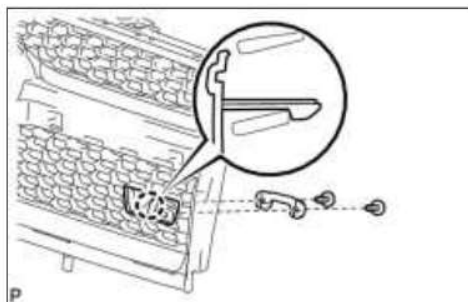
(b) for Type B:

- (1) Remove the 3 bolts.
- (2) Detach the 20 claws and 4 guides, and remove the radiator grille.



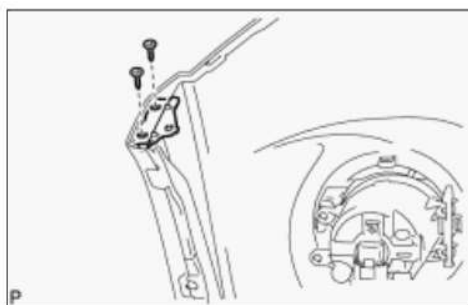
3. REMOVE RADIATOR GRILLE (OR FRONT PANEL) EMBLEM

- (a) Detach the 3 claws and remove the emblem.



4. REMOVE NO. 2 RADIATOR GRILLE EMBLEM (for 2GR-FE)

- (a) Remove the 2 screws and retainer.
(b) Detach the claw and remove the emblem.

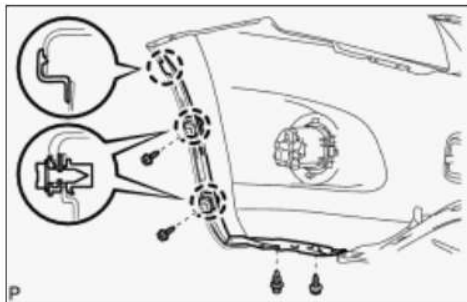


5. REMOVE FRONT NO. 2 BUMPER SIDE RETAINER LH

- (a) Remove the 2 screws and retainer.

6. REMOVE FRONT NO. 2 BUMPER SIDE RETAINER RH**HINT:**

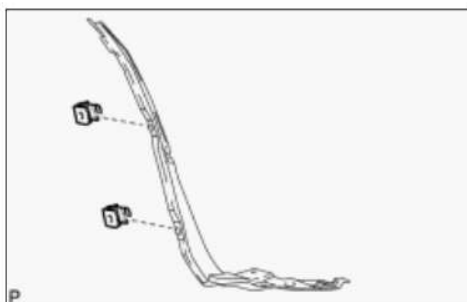
Use the procedure described for the LH side.

**7. REMOVE FRONT BUMPER ARM EXTENSION LH**

- (a) Remove the 3 screws.
- (b) Using a clip remover, remove the clip.
- (c) Detach the 3 claws and remove the arm extension.

8. REMOVE FRONT BUMPER ARM EXTENSION RH**HINT:**

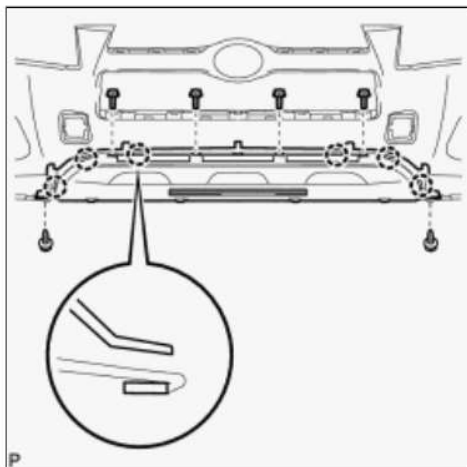
Use the procedure described for the LH side.

**9. REMOVE FRONT NO. 1 BUMPER EXTENSION RETAINER**

- (a) Remove the 2 retainers.

HINT:

Use the same procedure for the RH and LH sides.

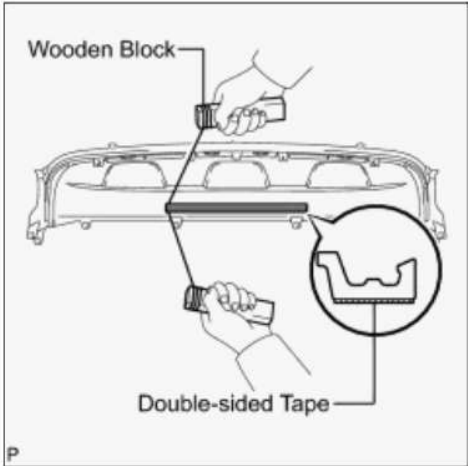
**10. REMOVE LOWER NO. 2 RADIATOR GRILLE**

- (a) Remove the 2 screws and 4 bolts.
- (b) Detach the 6 claws and remove the lower No. 2 radiator grille.

11. REMOVE FRONT BUMPER BAR

- (a) Using a heat light, heat the lower No. 2 radiator grille and bumper bar.

Standard:



ITEM	SPECIFIED CONDITION
Lower No. 2 radiator grille	20 to 30°C (68 to 86°F)
Bumper bar	20 to 30°C (68 to 86°F)

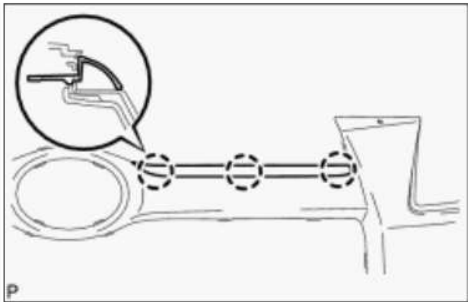
NOTICE:

Do not heat the lower No. 2 radiator grille and bumper bar excessively.

- (b) Insert a piano wire between the lower No. 2 radiator grille and bumper bar.
- (c) Tie objects that can serve as handles (for example, wooden blocks) to both wire ends.
- (d) Pull the piano wire and scrape off the double-sided tape that holds the bumper bar to the lower No. 2 radiator grille.

NOTICE:

Be careful not to damage the lower No. 2 radiator grille.



12. REMOVE CENTER RADIATOR GRILLE MOULDING LH

- (a) Detach the 3 claws and remove the center radiator grille moulding.

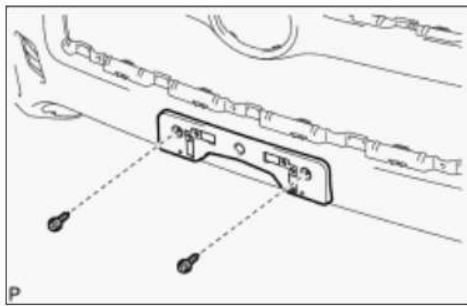
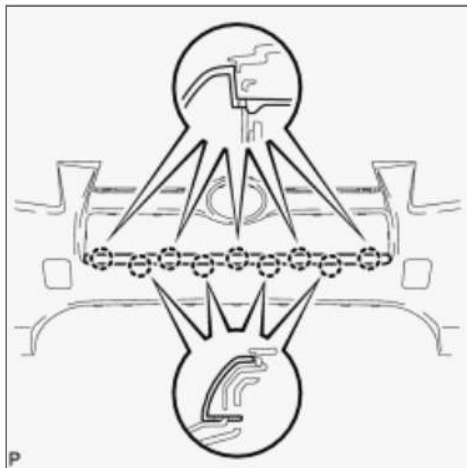
13. REMOVE CENTER RADIATOR GRILLE MOULDING RH

HINT:

Use the procedure described for the LH side.

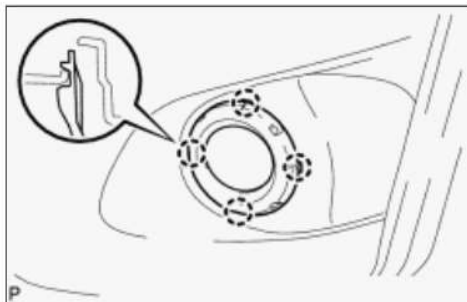
14. REMOVE LOWER RADIATOR GRILLE MOULDING

- (a) Detach the 9 claws and remove the lower radiator grille moulding.



15. REMOVE FRONT BUMPER EXTENSION MOUNTING BRACKET

- (a) Remove the 2 screws and mounting bracket.



16. REMOVE FRONT BUMPER HOLE COVER LH

- (a) Detach the 4 claws and remove the hole cover.

17. REMOVE FRONT BUMPER HOLE COVER RH

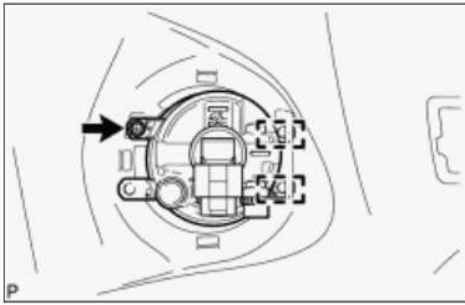
HINT:

Use the procedure described for the LH side.

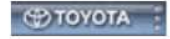
18. REMOVE FOG LIGHT ASSEMBLY LH

- (a) Remove the screw.
(b) Detach the 2 guides and remove the fog light.

EXTERIOR: FRONT BUMPER (w/ Under Guard): DISASSEMBLY (2...

<https://techinfo.toyota.com/t3Portal/document/rm/RM16B0U/xhtml/RM...>**19. REMOVE FOG LIGHT ASSEMBLY RH****HINT:**

Use the procedure described for the LH side.



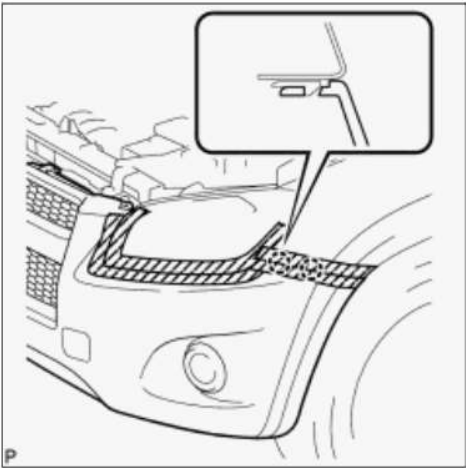
Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000003PKD008X
Title: EXTERIOR: FRONT BUMPER (w/ Under Guard): INSTALLATION (2011 RAV4)		

INSTALLATION

HINT:

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

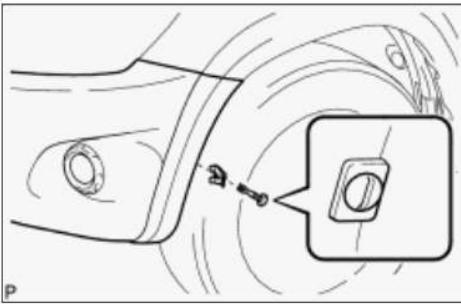
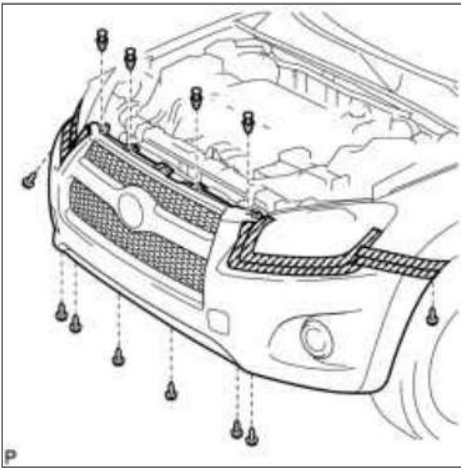
1. INSTALL FRONT BUMPER SIDE RETAINER LH [INFO](#)
2. INSTALL FRONT BUMPER SIDE RETAINER RH [INFO](#)
3. INSTALL FRONT BUMPER REINFORCEMENT [INFO](#)
4. INSTALL FRONT BUMPER UPPER REINFORCEMENT SUB-ASSEMBLY [INFO](#)
5. INSTALL LOW PITCHED HORN ASSEMBLY [INFO](#)
6. INSTALL HIGH PITCHED HORN ASSEMBLY [INFO](#)
7. INSTALL FRONT BUMPER CENTER STAY SUB-ASSEMBLY [INFO](#)
8. INSTALL FRONT NO. 2 BUMPER ENERGY ABSORBER [INFO](#)
9. INSTALL FRONT BUMPER COVER



(a) Connect the 2 fog light connectors.

(b) Attach the 4 claws to install the bumper cover.

(c) Install the 8 screws and 4 clips.



(d) Install the retainer.

HINT:

Use the same procedure for RH and LH sides.

(e) Position the groove on the pin hold clip vertically and insert the clip to install it.

NOTICE:

Make sure that the groove on the pin hold clip is positioned vertically.

HINT:

Use the same procedure for RH and LH sides.

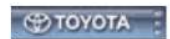
10. INSTALL FRONT FENDER FRONT SPLASH SHIELD LH [INFO](#)

11. INSTALL FRONT FENDER FRONT SPLASH SHIELD RH [INFO](#)

12. INSTALL RADIATOR GRILLE PROTECTOR [INFO](#)

13. INSTALL CENTER HOOD CUSHION [INFO](#)

14. INSTALL RADIATOR SUPPORT OPENING COVER [INFO](#)

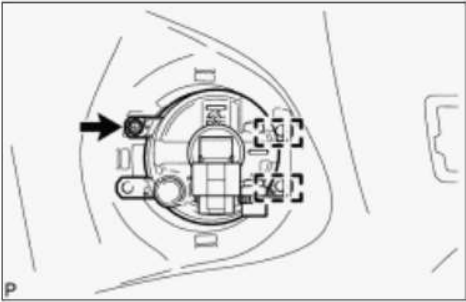


Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000003PKH009X
Title: EXTERIOR: FRONT BUMPER (w/ Under Guard): REASSEMBLY (2011 RAV4)		

REASSEMBLY

HINT:

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



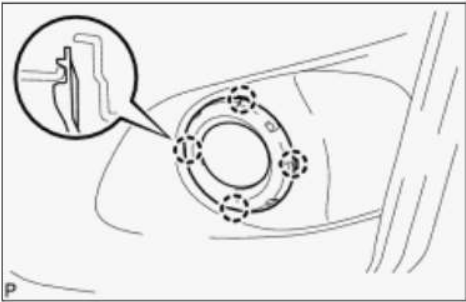
1. INSTALL FOG LIGHT ASSEMBLY LH

- (a) Attach the 2 guides to install the fog light.
- (b) Install the screw.

2. INSTALL FOG LIGHT ASSEMBLY RH

HINT:

Use the procedure described for the LH side.



3. INSTALL FRONT BUMPER HOLE COVER LH

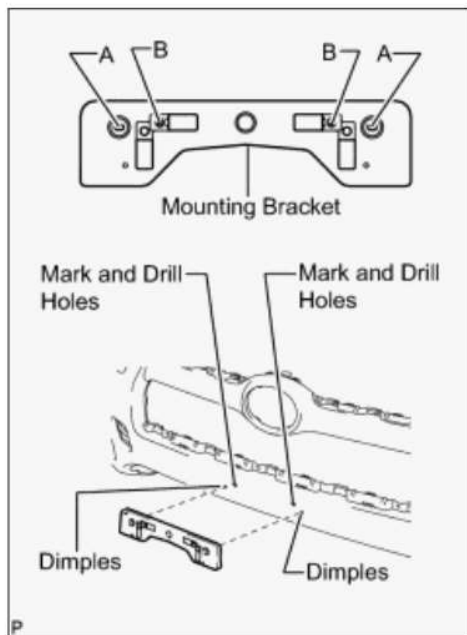
- (a) Attach the 4 claws to install the bumper hole cover.

4. INSTALL FRONT BUMPER HOLE COVER RH

HINT:

Use the procedure described for the LH side.

5. INSTALL FRONT BUMPER EXTENSION MOUNTING BRACKET



(a) Make holes in the bumper cover for the license plate installation bolts.

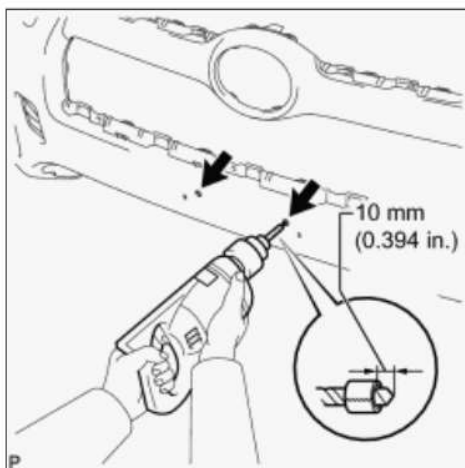
HINT:

Only perform this procedure if installing the license plate on a new bumper cover.

- (1) Aligning the holes "A" of the mounting bracket with the dimples on the front bumper cover, mark the location of the holes "B" on the front bumper cover.

HINT:

- Holes "A" are used for installation of the mounting bracket to the bumper cover.
- Holes "B" are used for installation of the front license plate to the mounting bracket.



(2) Put an 11 mm (0.433 in.) drill bit into a drill.

- (3) Wind tape around the drill bit approximately 10 mm (0.394 in.) from the tip of the drill, as shown in the illustration.

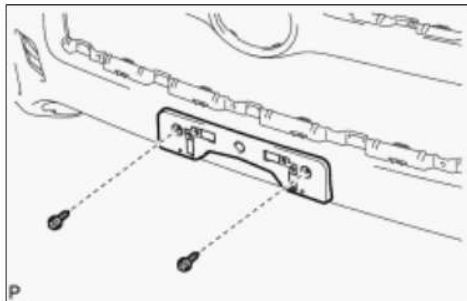
- (4) Make 2 holes in the bumper cover at the locations shown in the illustration.

NOTICE:

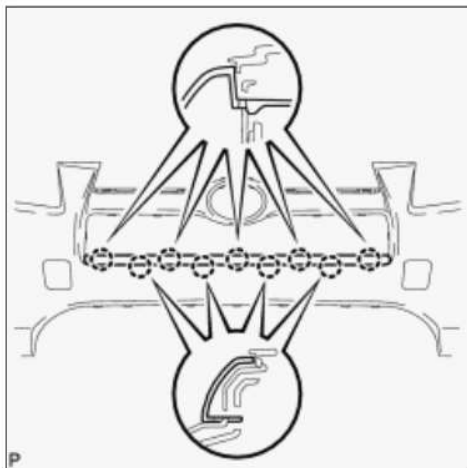
Do not drill at dimples on the front bumper cover.

HINT:

Remove all burrs created when making the holes.

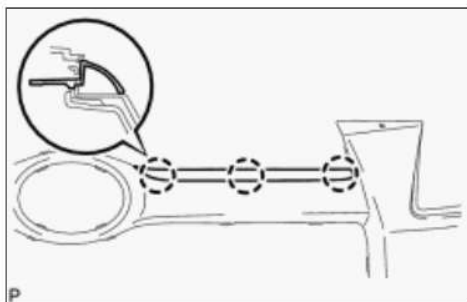


(b) Install the mounting bracket with the 2 screws.



6. INSTALL LOWER RADIATOR GRILLE MOULDING

(a) Attach the 9 claws to install the lower radiator grille moulding.



7. INSTALL CENTER RADIATOR GRILLE MOULDING LH

(a) Attach the 3 claws to install the center radiator grille moulding.

8. INSTALL CENTER RADIATOR GRILLE MOULDING RH

HINT:

Use the procedure described for the LH side.

9. INSTALL FRONT BUMPER BAR

- (a) Clean the lower No. 2 radiator grille surface.
- (1) Using a heat light, heat the lower No. 2 radiator grille surface.
- Standard:

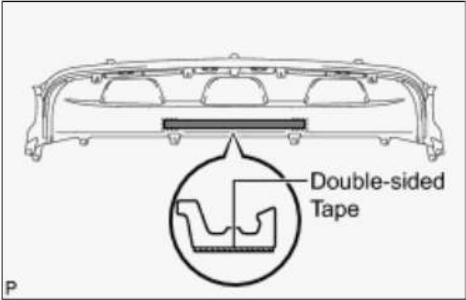
ITEM	SPECIFIED CONDITION
Lower No. 2 radiator grille	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the lower No. 2 radiator grille excessively.

- (2) Remove the double-sided tape from the lower No. 2 radiator grille.
- (3) Wipe off any tape adhesive residue with cleaner.
- (b) If reusing the bumper bar, clean the bumper bar.
- (1) Remove the double-sided tape from the bumper bar.
- (2) Wipe off any tape adhesive residue with cleaner.
- (3) Apply new double-sided tape to the bumper bar.

- (c) Install the bumper bar.
- (1) Using a heat light, heat the lower No. 2 radiator grille and bumper bar.
- Standard:

ITEM	SPECIFIED CONDITION
Lower No. 2 radiator grille	20 to 30°C (68 to 86°F)
Bumper bar	20 to 30°C (68 to 86°F)



NOTICE:
Do not heat the lower No. 2 radiator grille and bumper bar excessively.

(2) Remove the peeling paper from the face of the bumper bar.

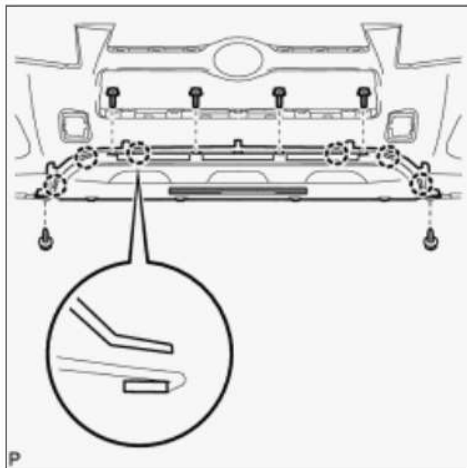
HINT:
After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(3) Install the bumper bar.

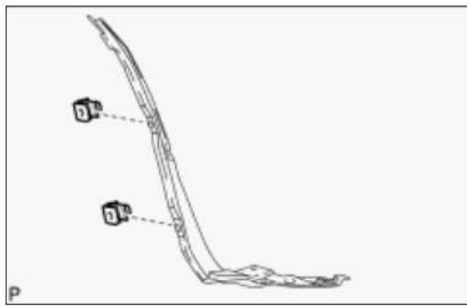
HINT:
Press the bumper bar firmly to install it.

10. INSTALL LOWER NO. 2 RADIATOR GRILLE

- (a) Attach the 6 claws to install the lower No. 2 radiator grille.



(b) Install the 2 screws and 4 bolts.

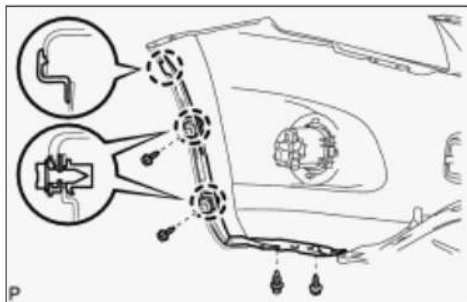


11. INSTALL FRONT NO. 1 BUMPER EXTENSION RETAINER

(a) Install the 2 retainers.

HINT:

Use the same procedure for the RH and LH sides.



12. INSTALL FRONT BUMPER ARM EXTENSION LH

(a) Attach the 3 claws to install the arm extension.

(b) Install the 3 screws and clip.

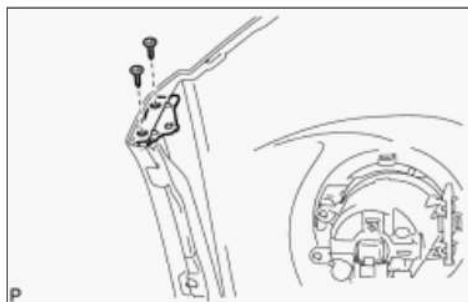
13. INSTALL FRONT BUMPER ARM EXTENSION RH

HINT:

Use the procedure described for the LH side.

14. INSTALL FRONT NO. 2 BUMPER SIDE RETAINER LH

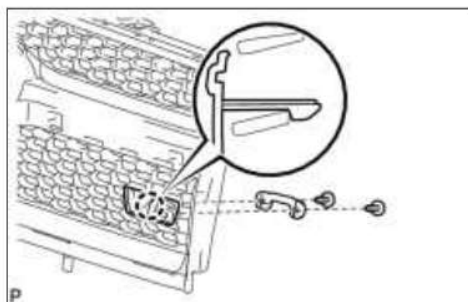
(a) Install the retainer with the 2 screws.



15. INSTALL FRONT NO. 2 BUMPER SIDE RETAINER RH

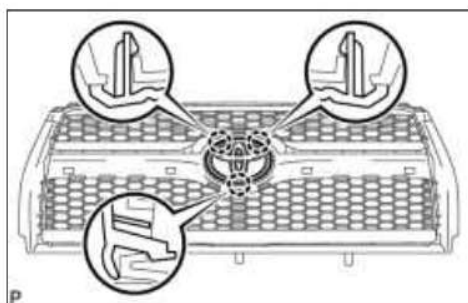
HINT:

Use the procedure described for the LH side.



16. INSTALL NO. 2 RADIATOR GRILLE EMBLEM (for 2GR-FE)

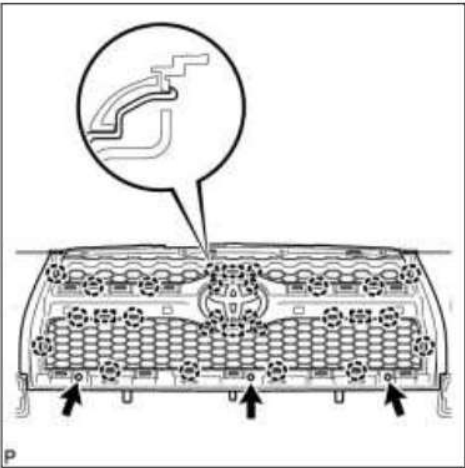
- (a) Attach the claw to install the emblem.
- (b) Install the retainer with the 2 screws.



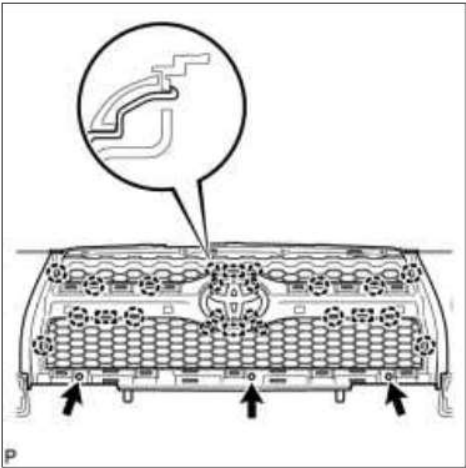
17. INSTALL RADIATOR GRILLE (OR FRONT PANEL) EMBLEM

- (a) Attach the 3 claws to install the emblem.

18. INSTALL RADIATOR GRILLE SUB-ASSEMBLY



- (a) for Type A:
- (1) Attach the 24 claws and 4 guides to install the radiator grille.
 - (2) Install the 3 bolts.



- (b) for Type B:
- (1) Attach the 20 claws and 4 guides to install the radiator grille.
 - (2) Install the 3 bolts.

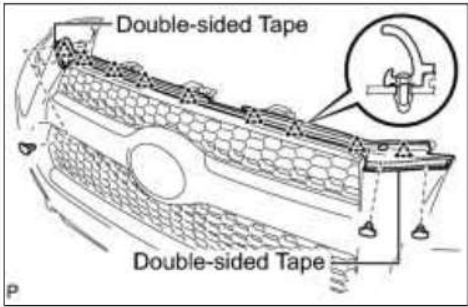
19. INSTALL HOOD TO RADIATOR GRILLE SEAL

- (a) Clean the bumper cover surface.
- (1) Using a heat light, heat the bumper cover surface.
- Standard:

ITEM	SPECIFIED CONDITION
Bumper cover	20 to 30°C (68 to 86°F)

- NOTICE:**
- Do not heat the bumper cover excessively.
- (2) Remove the double-sided tape from the bumper cover.
 - (3) Wipe off any tape adhesive residue with cleaner.

- (b) Install a new hood to radiator grille seal.
- (1) Using a heat light, heat the bumper cover and hood to radiator grille seal.
- Standard:

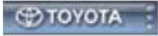


ITEM	SPECIFIED CONDITION
Bumper cover	20 to 30°C (68 to 86°F)
Hood to radiator grille seal	20 to 30°C (68 to 86°F)

- NOTICE:**
- Do not heat the bumper cover and hood to radiator grille seal excessively.
- (2) Attach the 9 clips to install the hood to radiator grille seal.
- (3) Install the 4 clips.
- (4) Remove the peeling paper from the face of the hood to radiator grille seal.
- (5) Attach the double-sided tape on the hood to radiator grille seal to the bumper cover.

HINT:

Press the hood to radiator grille seal firmly to install it.



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000003PKF009X
Title: EXTERIOR: FRONT BUMPER (w/ Under Guard): REMOVAL (2011 RAV4)		

REMOVAL

1. REMOVE RADIATOR SUPPORT OPENING COVER [INFO](#)

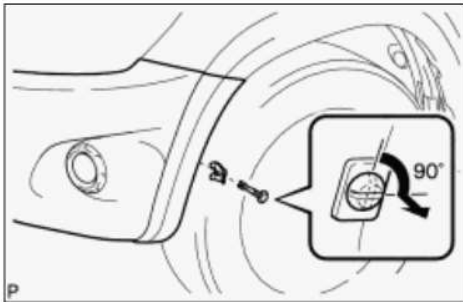
2. REMOVE CENTER HOOD CUSHION [INFO](#)

3. REMOVE RADIATOR GRILLE PROTECTOR [INFO](#)

4. REMOVE FRONT FENDER FRONT SPLASH SHIELD LH [INFO](#)

5. REMOVE FRONT FENDER FRONT SPLASH SHIELD RH [INFO](#)

6. REMOVE FRONT BUMPER COVER



(a) Using a screwdriver, turn the pin hold clip 90° and remove the pin hold clip.

HINT:

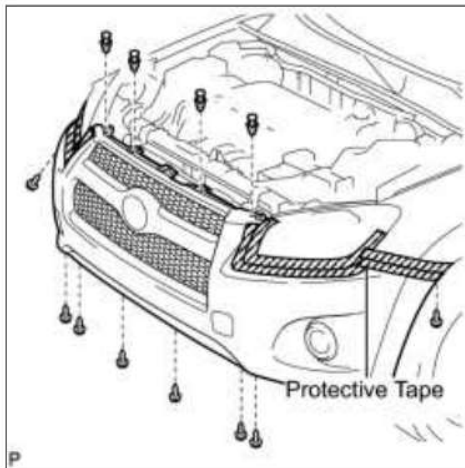
- Tape the screwdriver tip before use.
- Use the same procedure for the RH and LH sides.

(b) Remove the retainer.

HINT:

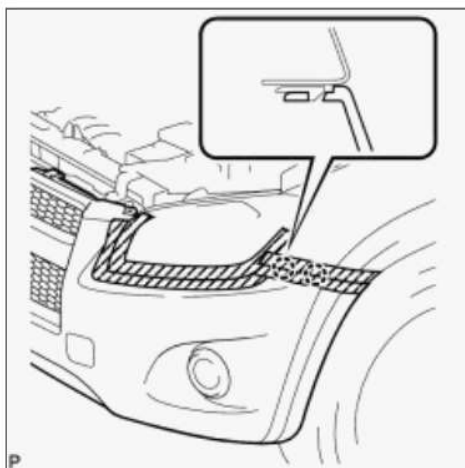
Use the same procedure for the RH and LH sides.

(c) Put protective tape around the bumper cover.



(d) Using a clip remover, remove the 4 clips.

(e) Remove the 8 screws.



(f) Detach the 4 claws and remove the bumper cover.

(g) Disconnect the 2 fog light connectors.

7. REMOVE FRONT NO. 2 BUMPER ENERGY ABSORBER

[INFO](#)

8. REMOVE FRONT BUMPER CENTER STAY SUB-ASSEMBLY

[INFO](#)

9. REMOVE LOW PITCHED HORN ASSEMBLY

[INFO](#)

10. REMOVE HIGH PITCHED HORN ASSEMBLY

[INFO](#)

11. REMOVE FRONT BUMPER UPPER REINFORCEMENT SUB-ASSEMBLY

[INFO](#)

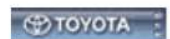
12. REMOVE FRONT BUMPER REINFORCEMENT

[INFO](#)

13. REMOVE FRONT BUMPER SIDE RETAINER LH

[INFO](#)

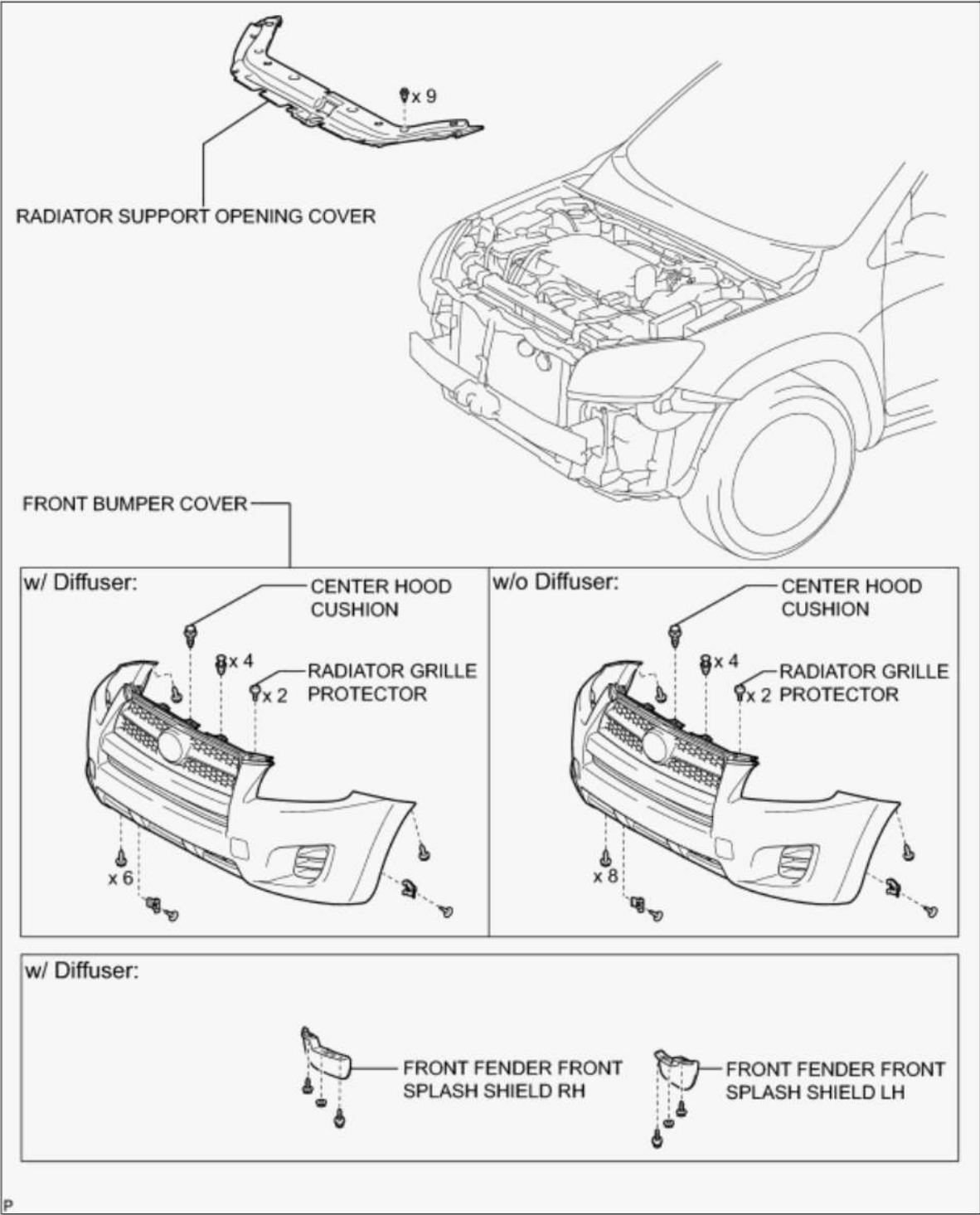
14. REMOVE FRONT BUMPER SIDE RETAINER RH

[INFO](#)


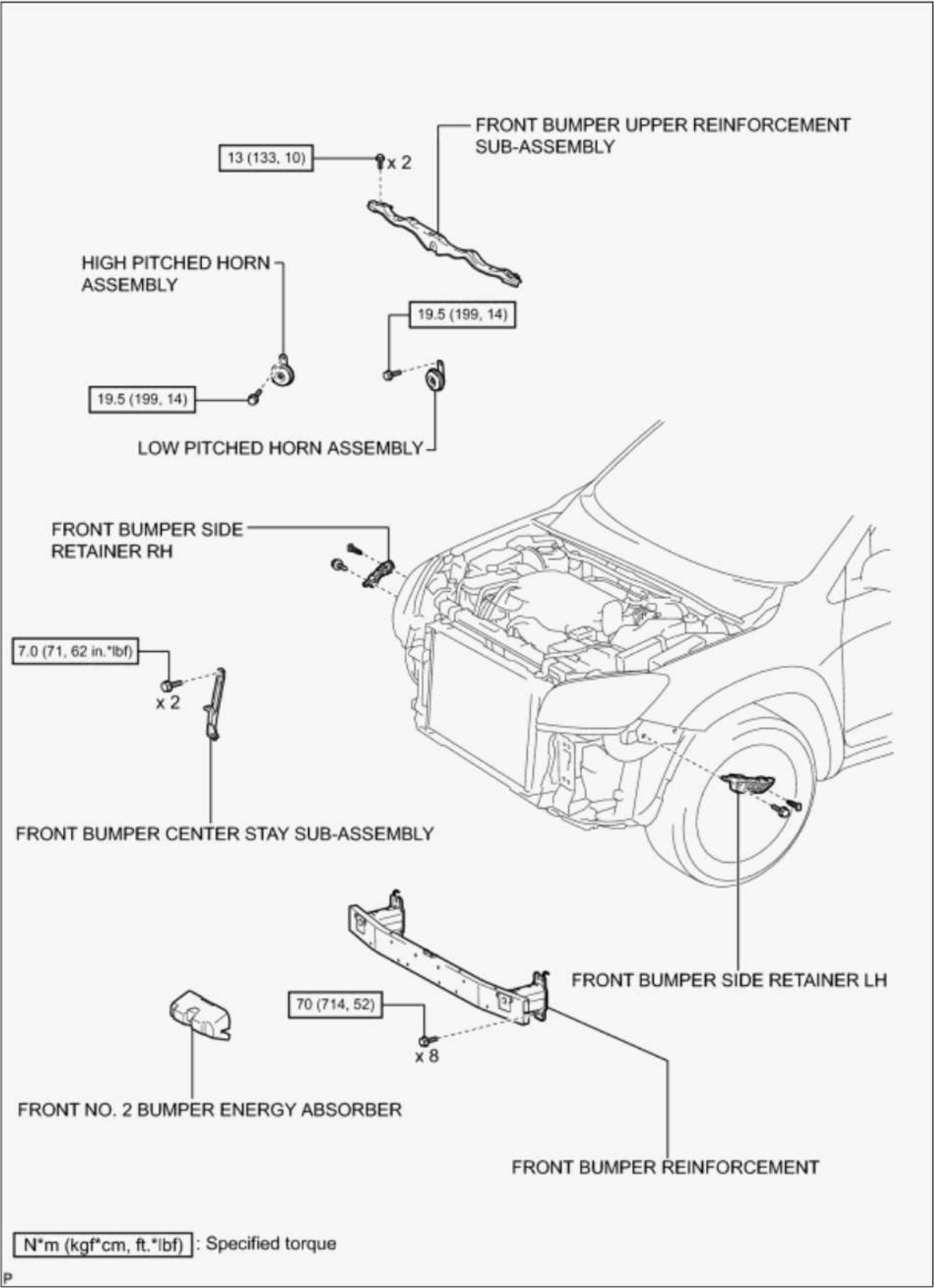
Last Modified: 9-7-2011	6.4 K	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000001SK300AX
Title: EXTERIOR: FRONT BUMPER (w/o Under Guard): COMPONENTS (2011 RAV4)		

COMPONENTS

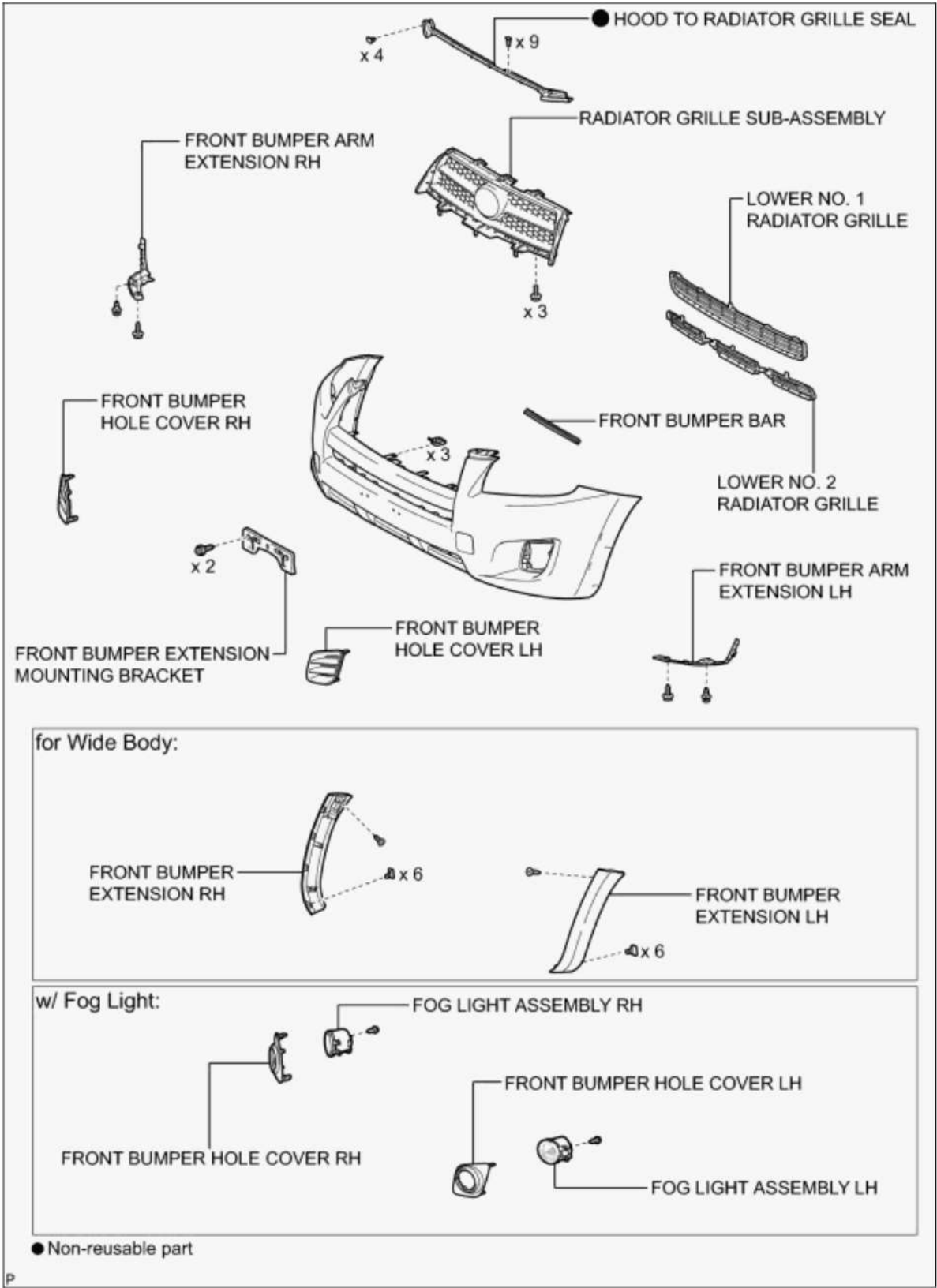
ILLUSTRATION



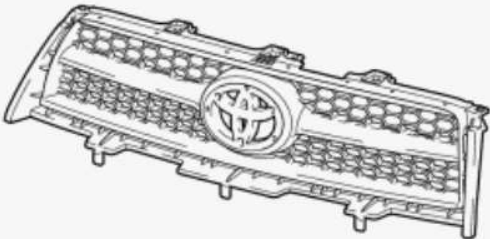
ILLUSTRATION



ILLUSTRATION

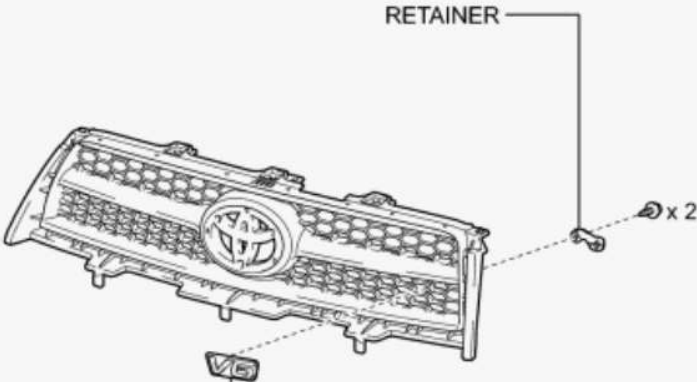


ILLUSTRATION



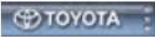
RADIATOR GRILLE (OR FRONT PANEL) EMBLEM

for 2GR-FE:



NO. 2 RADIATOR GRILLE EMBLEM

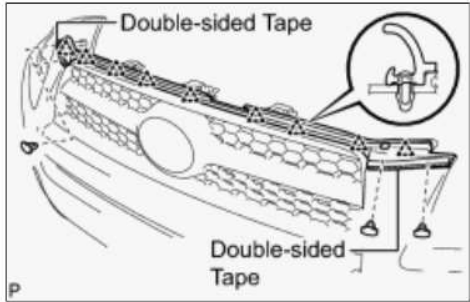
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Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000001SK500HX
Title: EXTERIOR: FRONT BUMPER (w/o Under Guard): DISASSEMBLY (2011 RAV4)		

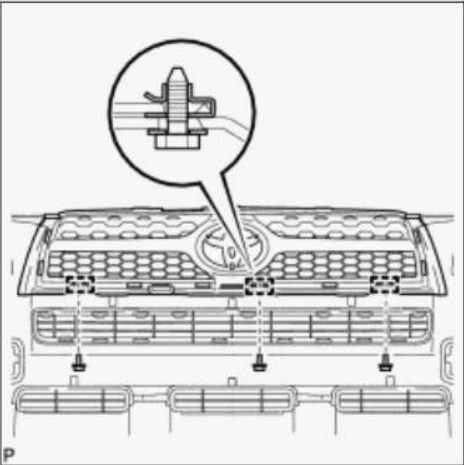
DISASSEMBLY



1. REMOVE HOOD TO RADIATOR GRILLE SEAL

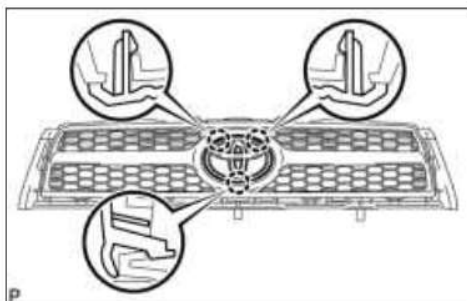
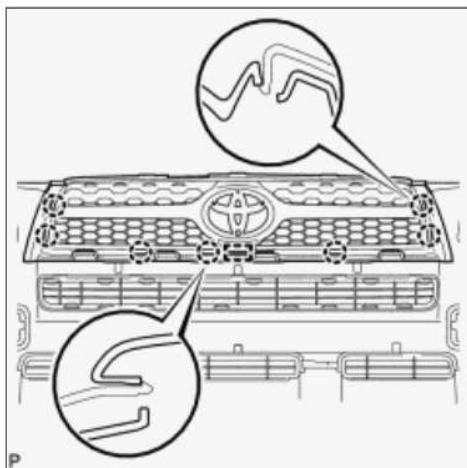
- (a) Remove the 4 clips.
- (b) Detach the 9 clips and remove the hood to radiator grille seal.

2. REMOVE RADIATOR GRILLE SUB-ASSEMBLY



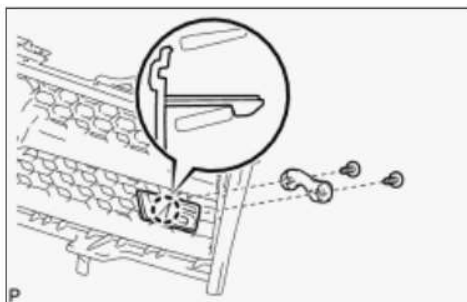
- (a) Remove the 3 bolts and 3 nuts.

- (b) Detach the 7 claws and guide, and remove the radiator grille.



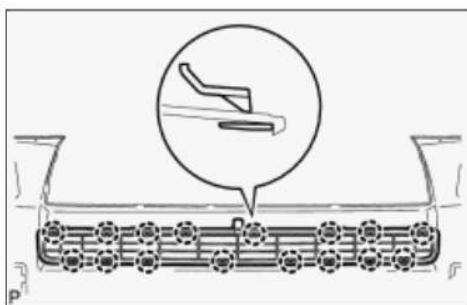
3. REMOVE RADIATOR GRILLE (OR FRONT PANEL) EMBLEM

- (a) Detach the 3 claws and remove the emblem.



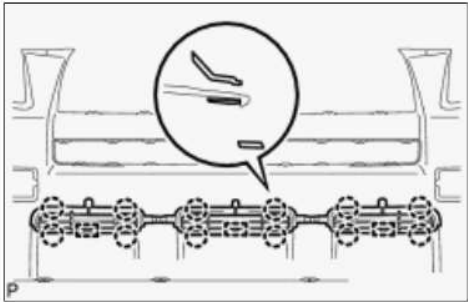
4. REMOVE NO. 2 RADIATOR GRILLE EMBLEM (for 2GR-FE)

- (a) Remove the 2 screws and retainer.
(b) Detach the claw and remove the emblem.



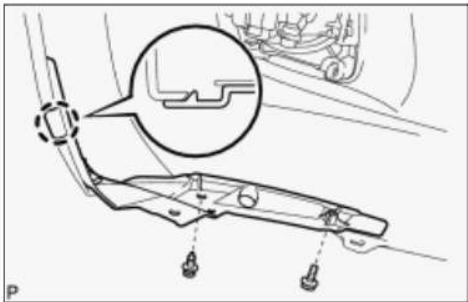
5. REMOVE LOWER NO. 1 RADIATOR GRILLE

- (a) Detach the 16 claws and remove the lower No. 1 radiator grille.



6. REMOVE LOWER NO. 2 RADIATOR GRILLE

- (a) Detach the 12 claws and 3 guides, and remove the lower No. 2 radiator grille.



7. REMOVE FRONT BUMPER ARM EXTENSION LH

- (a) Using a clip remover, remove the clip.
(b) Remove the screw.
(c) Detach the claw and remove the arm extension.

8. REMOVE FRONT BUMPER ARM EXTENSION RH

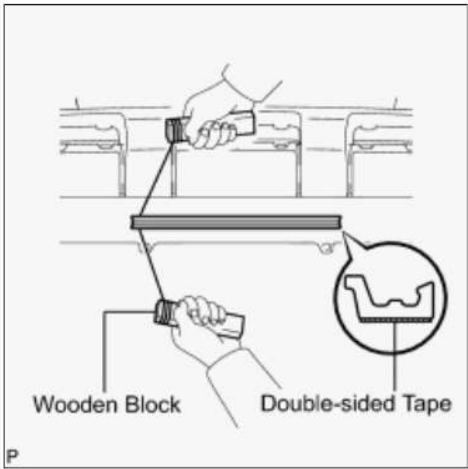
HINT:

Use the procedure described for the LH side.

9. REMOVE FRONT BUMPER BAR

- (a) Using a heat light, heat the bumper cover and bumper bar.
Standard:

ITEM	SPECIFIED CONDITION
Bumper cover	20 to 30°C (68 to 86°F)
Bumper bar	20 to 30°C (68 to 86°F)



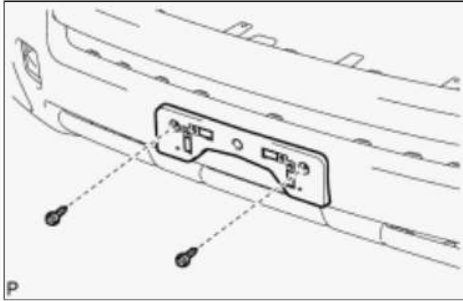
NOTICE:

Do not heat the bumper cover and bumper bar excessively.

- (b) Insert a piano wire between the bumper cover and bumper bar.
(c) Tie objects that can serve as handles (for example, wooden blocks) to both wire ends.
(d) Pull the piano wire and scrape off the double-sided tape that holds the bumper bar to the bumper cover.

NOTICE:

Be careful not to damage the bumper cover.

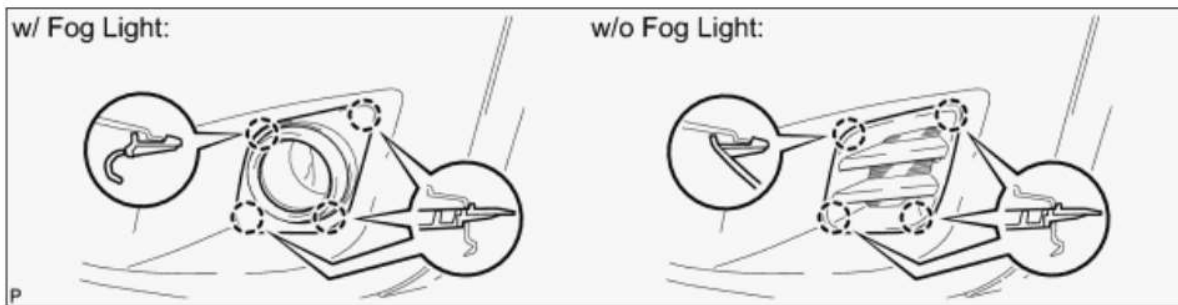


10. REMOVE FRONT BUMPER EXTENSION MOUNTING BRACKET

(a) Remove the 2 screws and mounting bracket.

11. REMOVE FRONT BUMPER HOLE COVER LH

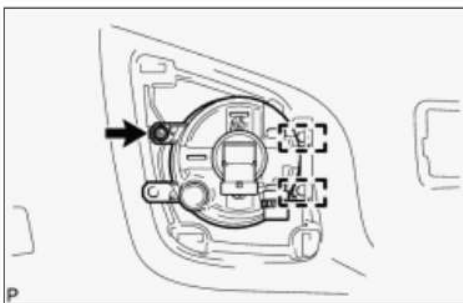
(a) Detach the 4 claws and remove the hole cover.



12. REMOVE FRONT BUMPER HOLE COVER RH

HINT:

Use the procedure described for the LH side.



13. REMOVE FOG LIGHT ASSEMBLY LH (w/ Fog Light)

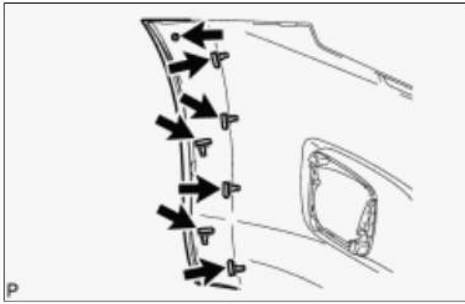
(a) Remove the screw.

(b) Detach the 2 guides and remove the fog light.

14. REMOVE FOG LIGHT ASSEMBLY RH (w/ Fog Light)

HINT:

Use the procedure described for the LH side.

**15. REMOVE FRONT BUMPER EXTENSION LH (for Wide Body)**

- (a) Remove the screw.
- (b) Detach the 6 clips and remove the extension.

16. REMOVE FRONT BUMPER EXTENSION RH (for Wide Body)**HINT:**

Use the procedure described for the LH side.

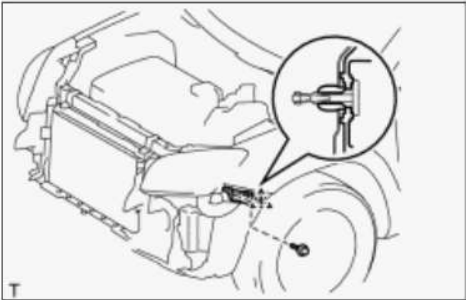


Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000015RH00RX
Title: EXTERIOR: FRONT BUMPER (w/o Under Guard): INSTALLATION (2011 RAV4)		

INSTALLATION

HINT:

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



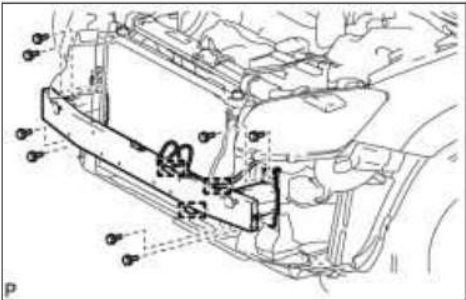
1. INSTALL FRONT BUMPER SIDE RETAINER LH

- (a) Install the retainer with the clip.
- (b) Install the bolt.

2. INSTALL FRONT BUMPER SIDE RETAINER RH

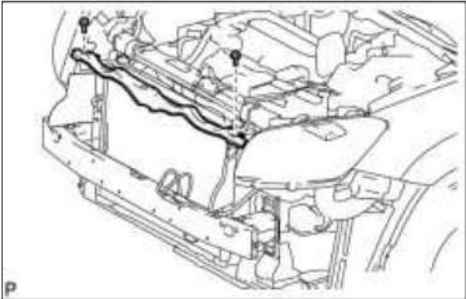
HINT:

Use the procedure described for the LH side.



3. INSTALL FRONT BUMPER REINFORCEMENT

- (a) Install the reinforcement with the 8 bolts.
Torque: 70 N·m (714 kgf·cm, 52ft·lbf)
- (b) Attach the 3 clamps to install the wire harness.



4. INSTALL FRONT BUMPER UPPER REINFORCEMENT SUB-ASSEMBLY

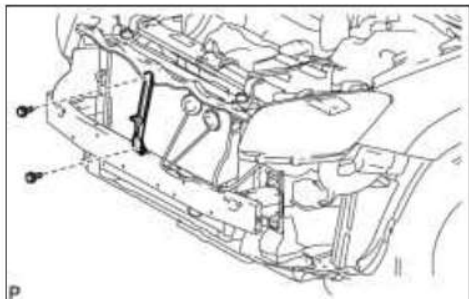
- (a) Install the reinforcement with the 2 bolts.
Torque: 13 N·m (133 kgf·cm, 10ft·lbf)

5. INSTALL LOW PITCHED HORN ASSEMBLY

INFO

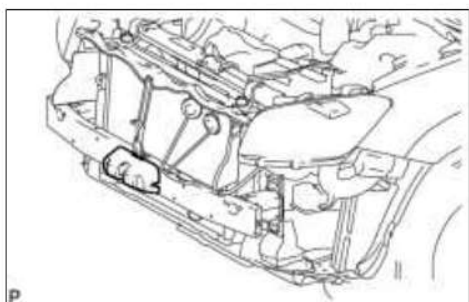
6. INSTALL HIGH PITCHED HORN ASSEMBLY

INFO

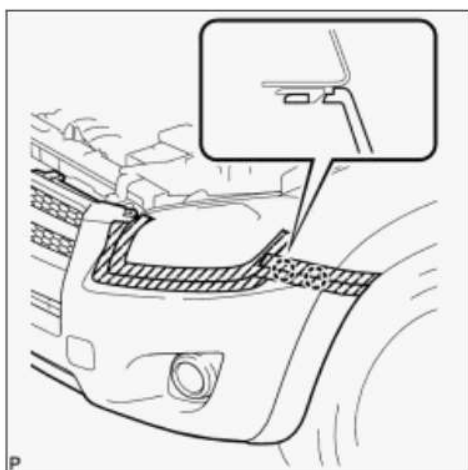
**7. INSTALL FRONT BUMPER CENTER STAY SUB-ASSEMBLY**

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

Torque: 7.0 N·m (71 kgf·cm, 62in·lbf)

**8. INSTALL FRONT NO. 2 BUMPER ENERGY ABSORBER**

- (a) Install the energy absorber.

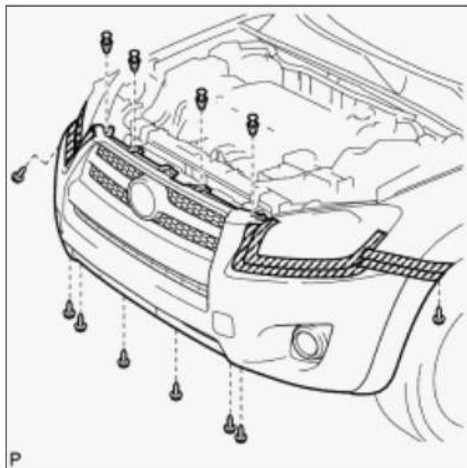
9. INSTALL FRONT BUMPER COVER

- (a) w/ Fog Light:

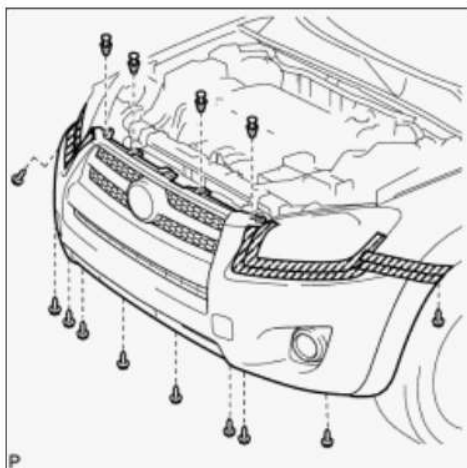
Connect the 2 fog light connectors.

- (b) Attach the 4 claws to install the bumper cover.

- (c) w/ Diffuser:

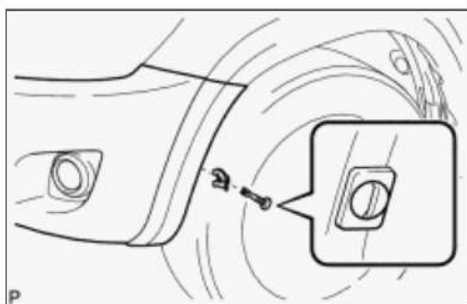


(1) Install the 8 screws and 4 clips.



(d) w/o Diffuser:

(1) Install the 10 screws and 4 clips.



(e) Install the retainer.

HINT:

Use the same procedure for the RH and LH sides.

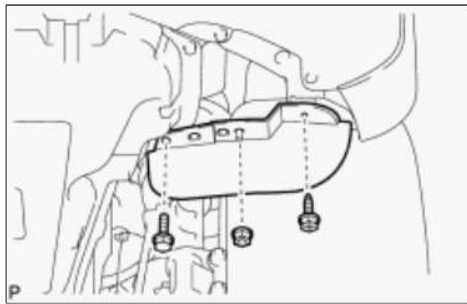
(f) Position the groove on the pin hold clip vertically and insert the clip to install it.

NOTICE:

Make sure that the groove on the pin hold clip is positioned vertically.

HINT:

Use the same procedure for the RH and LH sides.



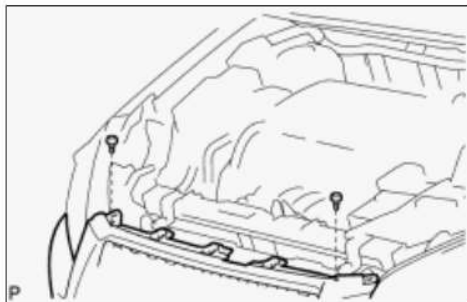
10. INSTALL FRONT FENDER FRONT SPLASH SHIELD LH (w/ Diffuser)

- (a) Install the splash shield with the nut, bolt and screw.

11. INSTALL FRONT FENDER FRONT SPLASH SHIELD RH (w/ Diffuser)

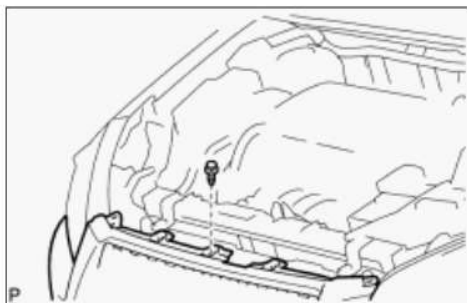
HINT:

Use the procedure described for the LH side.



12. INSTALL RADIATOR GRILLE PROTECTOR

- (a) Install the 2 radiator grille protectors.



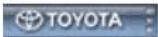
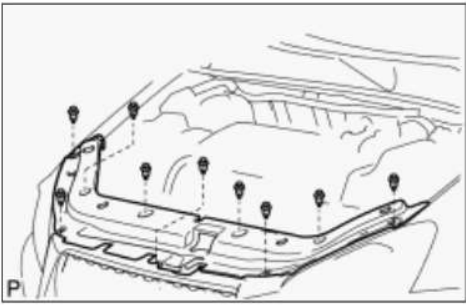
13. INSTALL CENTER HOOD CUSHION

- (a) Install the hood cushion.

14. INSTALL RADIATOR SUPPORT OPENING COVER

- (a) Install the radiator support opening cover with the 9 clips.

EXTERIOR: FRONT BUMPER (w/o Under Guard): INSTALLATION ... <https://techinfo.toyota.com/t3Portal/document/rm/RM16B0U/xhtml/RM...>



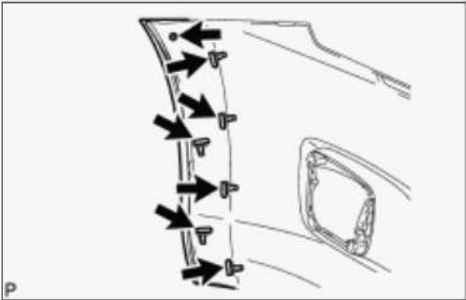
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Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM000001SK600HX
Title: EXTERIOR: FRONT BUMPER (w/o Under Guard): REASSEMBLY (2011 RAV4)		

REASSEMBLY

HINT:

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

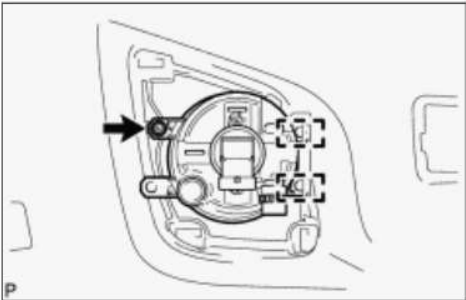


- 1. INSTALL FRONT BUMPER EXTENSION LH (for Wide Body)**
- (a) Attach the 6 clips to install the extension.
 - (b) Install the screw.

2. INSTALL FRONT BUMPER EXTENSION RH (for Wide Body)

HINT:

Use the procedure described for the LH side.



- 3. INSTALL FOG LIGHT ASSEMBLY LH (w/ Fog Light)**
- (a) Attach the 2 guides to install the fog light.
 - (b) Install the screw.

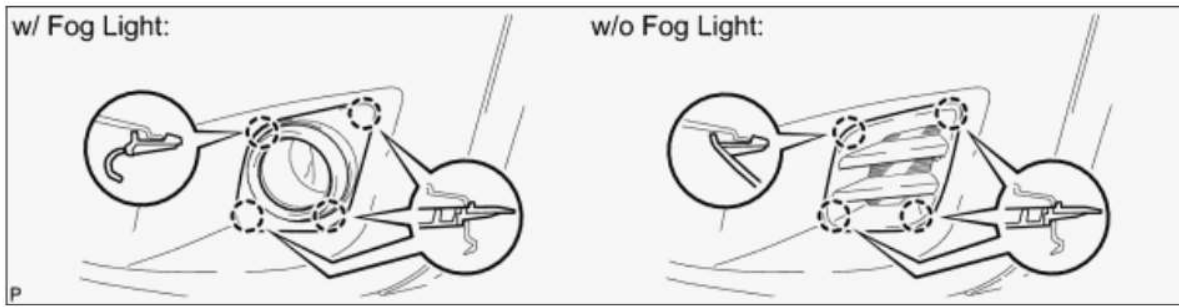
4. INSTALL FOG LIGHT ASSEMBLY RH (w/ Fog Light)

HINT:

Use the procedure described for the LH side.

5. INSTALL FRONT BUMPER HOLE COVER LH

- (a) Attach the 4 claws to install the bumper hole cover.

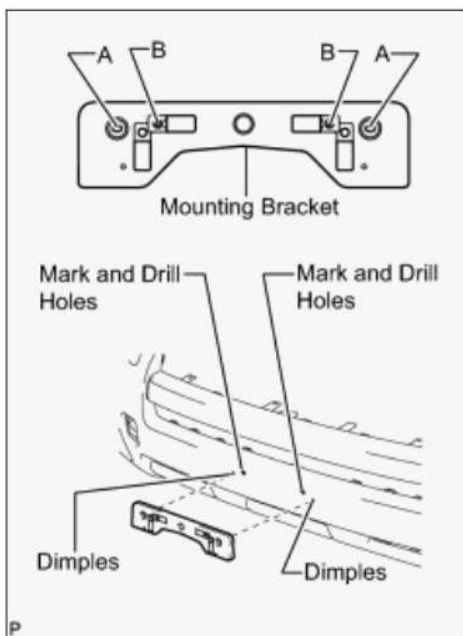


6. INSTALL FRONT BUMPER HOLE COVER RH

HINT:

Use the procedure described for the LH side.

7. INSTALL FRONT BUMPER EXTENSION MOUNTING BRACKET



(a) Make holes in the bumper cover for the license plate installation bolts.

HINT:

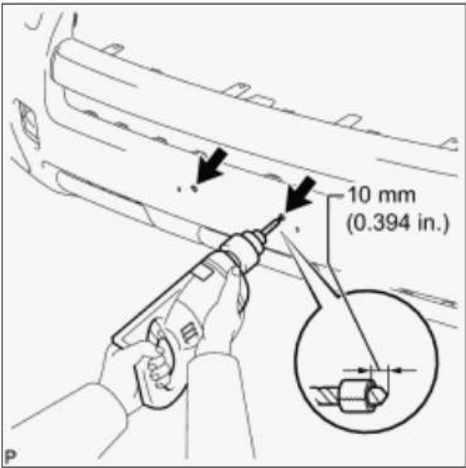
Only perform this procedure if installing the license plate on a new bumper cover.

- (1) Aligning the holes "A" of the mounting bracket with the dimples on the front bumper cover, mark the location of the holes "B" on the front bumper cover.

HINT:

- Holes "A" are used for installation of the mounting bracket to the bumper cover.
- Holes "B" are used for installation of the front license plate to the mounting bracket.

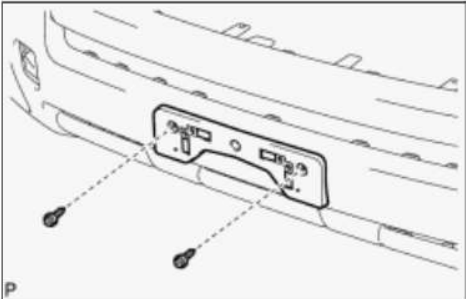
- (2) Put an 11 mm (0.433 in.) drill bit into a drill.



- (3) Wind tape around the drill bit approximately 10 mm (0.394 in.) from the tip of the drill, as shown in the illustration.
- (4) Make 2 holes in the bumper cover at the locations shown in the illustration.

NOTICE:
Do not drill at dimples on the front bumper cover.

HINT:
Remove all burrs created when making the holes.



(b) Install the mounting bracket with the 2 screws.

8. INSTALL FRONT BUMPER BAR

- (a) Clean the bumper cover surface.
 - (1) Using a heat light, heat the bumper cover surface.
- Standard:

ITEM	SPECIFIED CONDITION
Bumper cover	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the bumper cover excessively.

- (2) Remove the double-sided tape from the bumper cover.

(3) Wipe off any tape adhesive residue with cleaner.

(b) If reusing the bumper bar, clean the bumper bar.

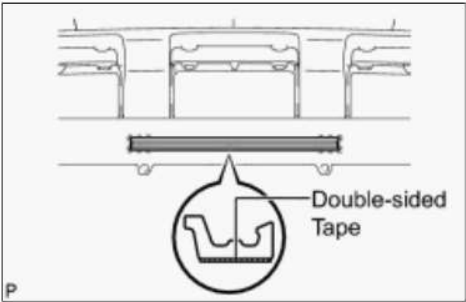
- (1) Remove the double-sided tape from the bumper bar.
- (2) Wipe off any tape adhesive residue with cleaner.
- (3) Apply new double-sided tape to the bumper bar.

(c) Install the bumper bar.

(1) Using a heat light, heat the bumper cover and bumper bar.

Standard:

ITEM	SPECIFIED CONDITION
Bumper cover	20 to 30°C (68 to 86°F)
Bumper bar	20 to 30°C (68 to 86°F)



NOTICE:

Do not heat the bumper cover and bumper bar excessively.

(2) Remove the peeling paper from the face of the bumper bar.

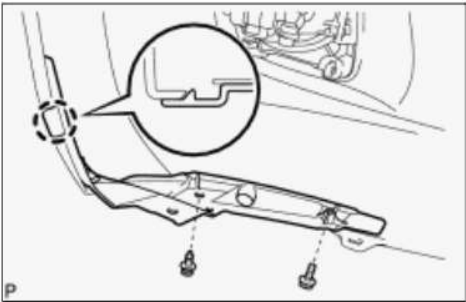
HINT:

After removing the peeling paper, keep the exposed adhesive free from foreign matter.

(3) Install the bumper bar.

HINT:

Press the bumper bar firmly to install it.



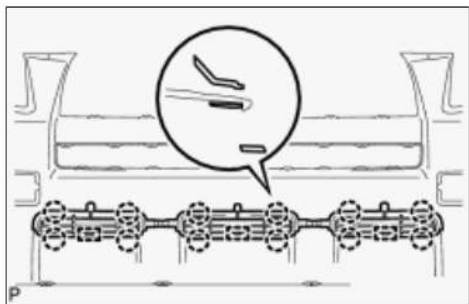
9. INSTALL FRONT BUMPER ARM EXTENSION LH

- (a) Attach the claw to install the arm extension.
- (b) Install the screw and clip.

10. INSTALL FRONT BUMPER ARM EXTENSION RH

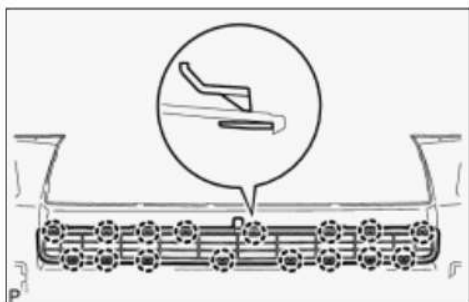
HINT:

Use the procedure described for the LH side.



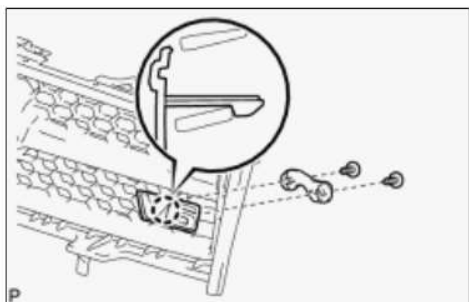
11. INSTALL LOWER NO. 2 RADIATOR GRILLE

- (a) Attach the 12 claws and 3 guides to install the lower No. 2 radiator grille.



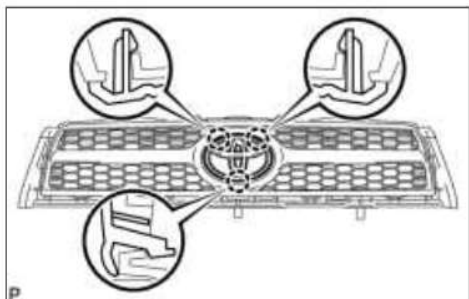
12. INSTALL LOWER NO. 1 RADIATOR GRILLE

- (a) Attach the 16 claws to install the lower No. 1 radiator grille.



13. INSTALL NO. 2 RADIATOR GRILLE EMBLEM (for 2GR-FE)

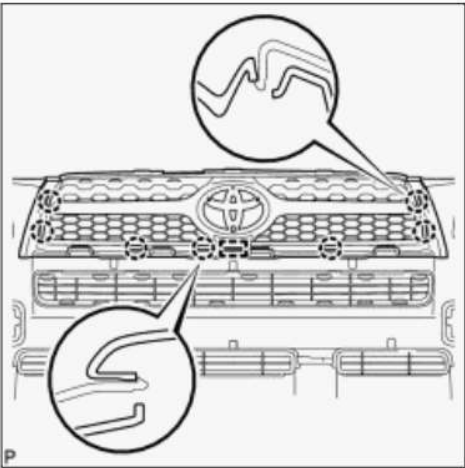
- (a) Attach the claw to install the emblem.
(b) Install the retainer with the 2 screws.



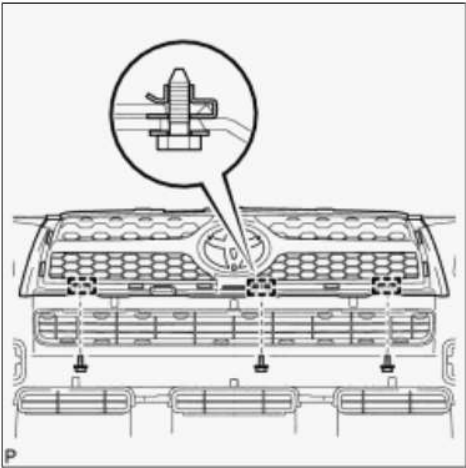
14. INSTALL RADIATOR GRILLE (OR FRONT PANEL) EMBLEM

- (a) Attach the 3 claws to install the emblem.

15. INSTALL RADIATOR GRILLE SUB-ASSEMBLY



(a) Attach the 7 claws and guide to install the radiator grille.



(b) Install the 3 bolts and 3 nuts.

16. INSTALL HOOD TO RADIATOR GRILLE SEAL

- (a) Clean the bumper cover surface.
- (1) Using a heat light, heat the bumper cover surface.
- Standard:

ITEM	SPECIFIED CONDITION
Bumper cover	20 to 30°C (68 to 86°F)

NOTICE:
Do not heat the bumper cover excessively.

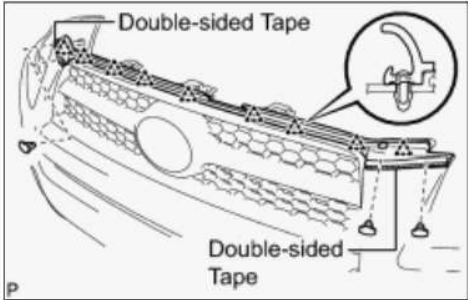
- (2) Remove the double-sided tape from the bumper cover.
- (3) Wipe off any tape adhesive residue with cleaner.

(b) Install a new hood to radiator grille seal.

- (1) Using a heat light, heat the bumper cover and hood to radiator grille seal.

Standard:

ITEM	SPECIFIED CONDITION
Bumper cover	20 to 30°C (68 to 86°F)
Hood to radiator grille seal	20 to 30°C (68 to 86°F)



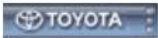
NOTICE:

Do not heat the bumper cover and hood to radiator grille seal excessively.

- (2) Attach the 9 clips to install the hood to radiator grille seal.
- (3) Install the 4 clips.
- (4) Remove the peeling paper from the face of the hood to radiator grille seal.
- (5) Attach the double-sided tape on the hood to radiator grille seal to the bumper cover.

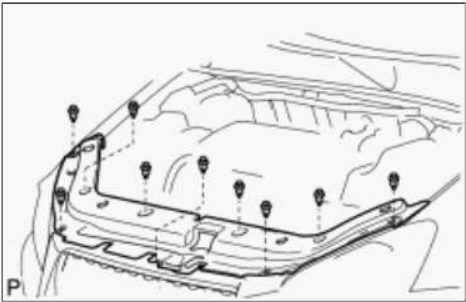
HINT:

Press the hood to radiator grille seal firmly to install it.



Last Modified: 9-7-2011	6.4 A	From: 201008
Model Year: 2011	Model: RAV4	Doc ID: RM0000015RJ00PX
Title: EXTERIOR: FRONT BUMPER (w/o Under Guard): REMOVAL (2011 RAV4)		

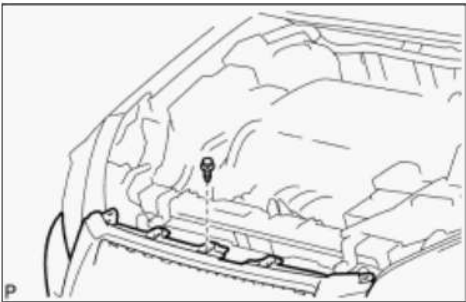
REMOVAL



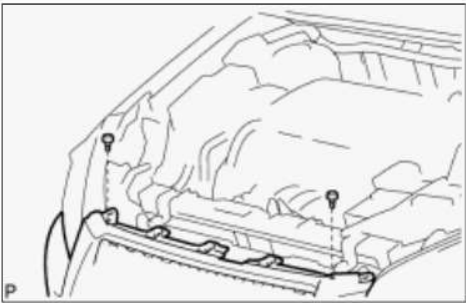
1. REMOVE RADIATOR SUPPORT OPENING COVER

- (a) Remove the 9 clips and radiator support opening cover.

2. REMOVE CENTER HOOD CUSHION



- (a) Using a clip remover, remove the center hood cushion.

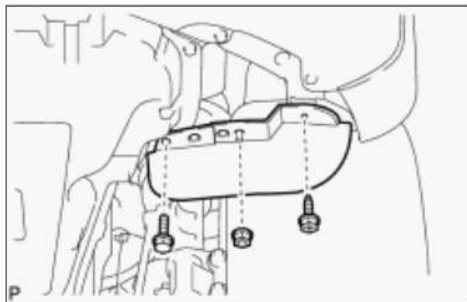


3. REMOVE RADIATOR GRILLE PROTECTOR

- (a) Remove the 2 radiator grille protectors.

4. REMOVE FRONT FENDER FRONT SPLASH SHIELD LH (w/ Diffuser)

- (a) Remove the screw, bolt, nut and splash shield.

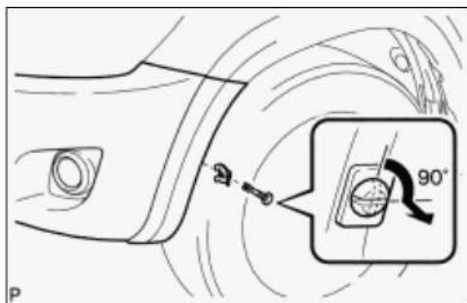


5. REMOVE FRONT FENDER FRONT SPLASH SHIELD RH (w/ Diffuser)

HINT:

Use the procedure described for the LH side.

6. REMOVE FRONT BUMPER COVER



(a) Using a screwdriver, turn the pin hold clip 90° and remove the pin hold clip.

HINT:

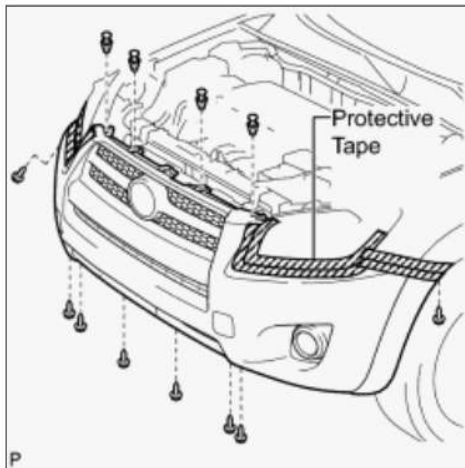
- Tape the screwdriver tip before use.
- Use the same procedure for the RH and LH sides.

(b) Remove the retainer.

HINT:

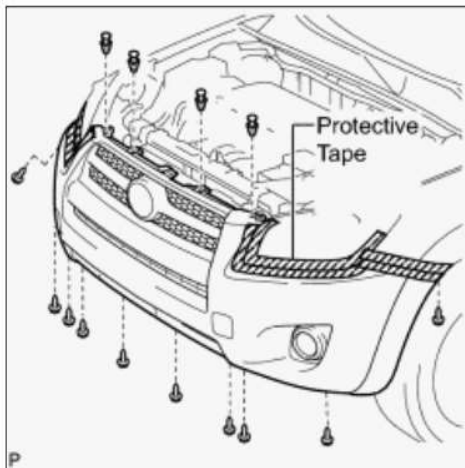
Use the same procedure for the RH and LH sides.

(c) Put protective tape around the bumper cover.



(d) w/ Diffuser:

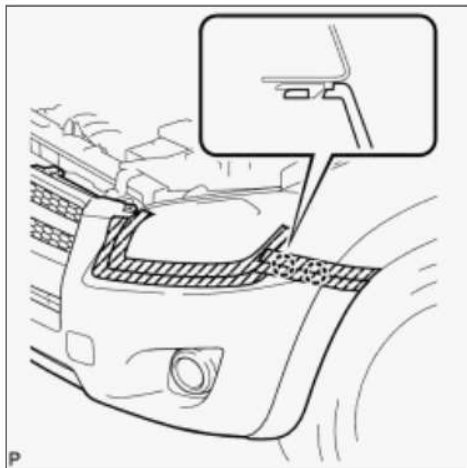
- (1) Using a clip remover, remove the 4 clips.
- (2) Remove the 8 screws.



(e) w/o Diffuser:

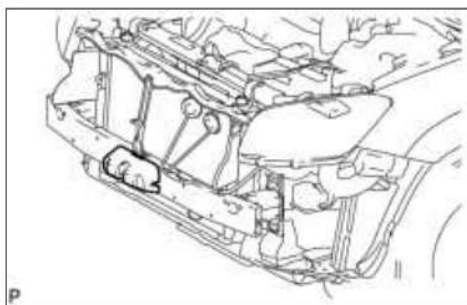
- (1) Using a clip remover, remove the 4 clips.
- (2) Remove the 10 screws.

(f) Detach the 4 claws and remove the bumper cover.



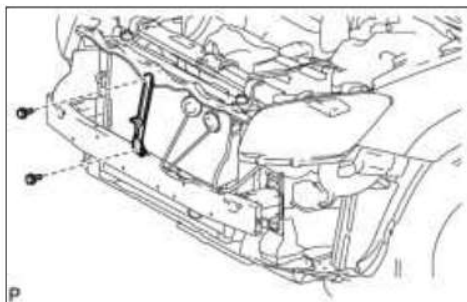
(g) w/ Fog Light:

Disconnect the 2 fog light connectors.



7. REMOVE FRONT NO. 2 BUMPER ENERGY ABSORBER

(a) Remove the energy absorber.



8. REMOVE FRONT BUMPER CENTER STAY SUB-ASSEMBLY

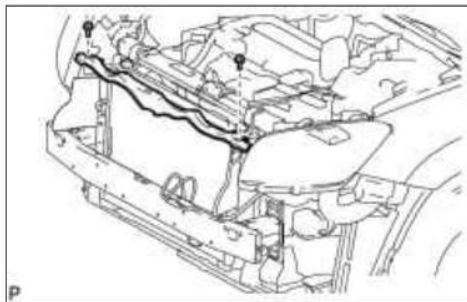
(a) Remove the 2 bolts and stay.

9. REMOVE LOW PITCHED HORN ASSEMBLY INFO

10. REMOVE HIGH PITCHED HORN ASSEMBLY INFO

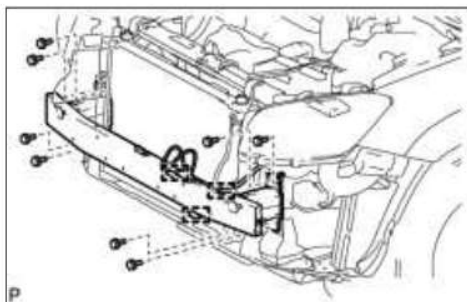
11. REMOVE FRONT BUMPER UPPER REINFORCEMENT SUB-ASSEMBLY

(a) Remove the 2 bolts and reinforcement.



12. REMOVE FRONT BUMPER REINFORCEMENT

- (a) Detach the 3 clamps and remove the wire harness.
- (b) Remove the 8 bolts and reinforcement.

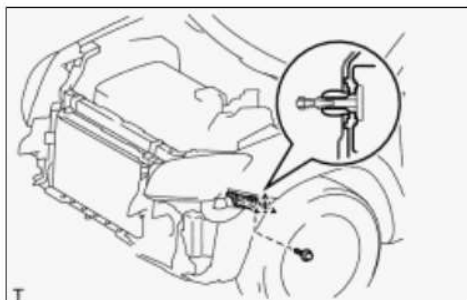


13. REMOVE FRONT BUMPER SIDE RETAINER LH

- (a) Remove the bolt.
- (b) Using a clip remover, detach the clip and remove the retainer.

HINT:

Tape the clip remover tip before use.



14. REMOVE FRONT BUMPER SIDE RETAINER RH

HINT:

Use the procedure described for the LH side.

