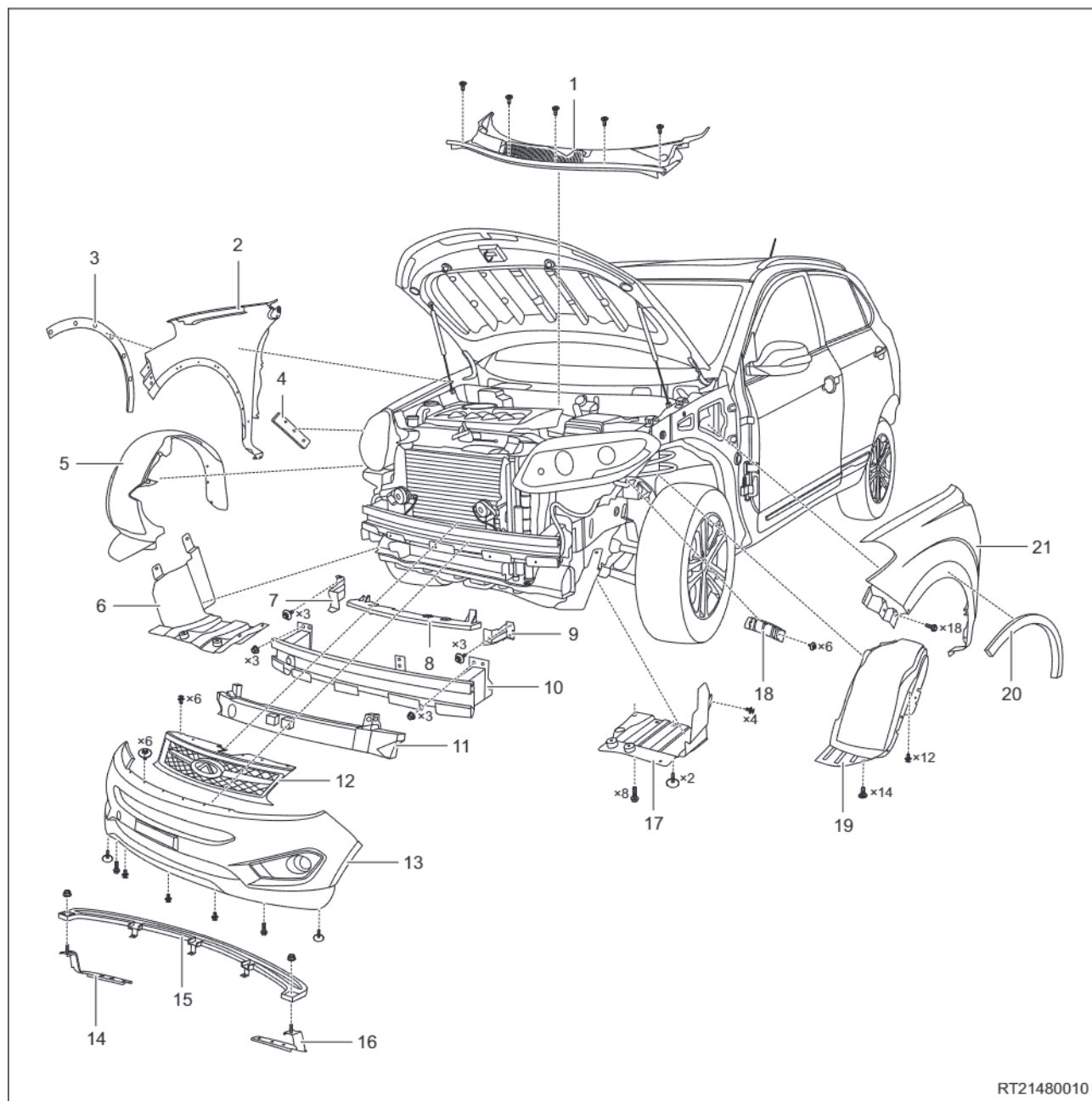


EXTERIOR

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GENERAL INFORMATION

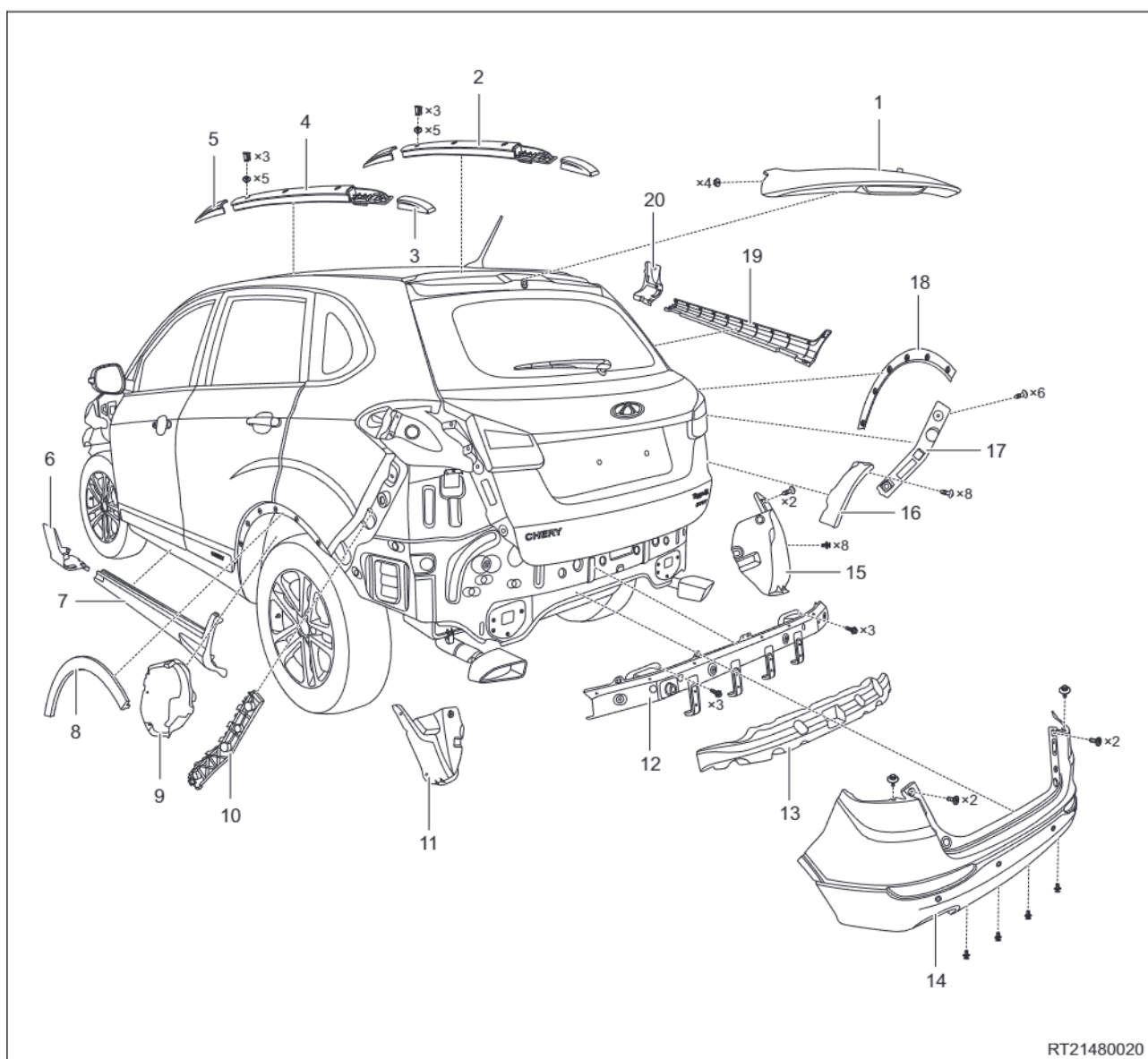
Description



RT21480010

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1 - Front Windshield Lower Garnish Assembly	2 - Right Fender Assembly
3 - Front Right Wheel Flare Assembly	4 - Front Bumper Right Mounting Bracket Assembly
5 - Front Right Wheel House Protector Assembly	6 - Engine Lower Right Protector Assembly
7 - Front Bumper Upper Right Mounting Bracket Assembly	8 - Front Bumper Center Stiffener Bracket Assembly
9 - Front Bumper Upper Left Mounting Bracket Assembly	10 - Front Bumper Crossmember Assembly
11 - Front Bumper Energy Absorber	12 - Radiator Grille Assembly
13 - Front Bumper Assembly	14 - Front Bumper Lower Right Mounting Bracket Assembly
15 - Front Bumper Lower Stiffener Bracket Assembly	16 - Front Bumper Lower Left Mounting Bracket Assembly
17 - Engine Lower Left Protector Assembly	18 - Front Bumper Left Mounting Bracket Assembly
19 - Front Left Wheel House Protector Assembly	20 - Front Left Wheel Flare Assembly
21 - Left Fender Assembly	



RT21480020

1 - Rear Spoiler Assembly	2 - Right Roof Rack Assembly
3 - Roof Rack Rear Trim Cover	4 - Left Roof Rack Assembly
5 - Roof Rack Front Trim Cover	6 - Left Apron Plate Cover Assembly
7 - Left Apron Plate Assembly	8 - Rear Left Wheel Flare Assembly
9 - Front Wheel House Protector Assembly of Rear Left Wheel	10 - Rear Bumper Left Mounting Bracket Assembly
11 - Rear Left Wheel House Protector Assembly	12 - Rear Bumper Crossmember Assembly
13 - Rear Bumper Energy Absorber	14 - Rear Bumper Assembly
15 - Rear Right Wheel House Protector Assembly	16 - Front Wheel House Protector Assembly of Rear Right Wheel
17 - Rear Bumper Right Mounting Bracket Assembly	18 - Rear Right Wheel Flare Assembly
19 - Right Apron Plate Assembly	20 - Right Apron Plate Cover Assembly

Bumper assembly and bumper crossmember assembly are safety devices to protect the front and rear body, which mainly absorb and reduce outside shock. The exterior mainly includes front bumper assembly, radiator grille assembly, front bumper stiffener bracket assembly, front bumper mounting bracket assembly, front bumper crossmember assembly, wheel flare assembly, apron plate assembly, front wheel house protector assembly, fender assembly, engine lower protector assembly, rear bumper assembly, rear bumper mounting bracket assembly, rear bumper crossmember assembly, front wheel house protector assembly of rear wheel, rear wheel house protector assembly, front windshield lower garnish assembly, roof rack assembly, rear spoiler assembly and back door upper trim board assembly.

Specifications

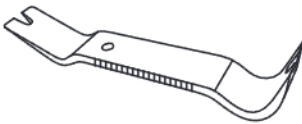
Torque Specifications

Description	Torque (N·m)
Front Name Plate CAC Assembly Fixing Screw	2.5 ± 0.5
Front Bumper Upper Grille Fixing Screw	2.5 ± 0.5
Front Bumper Assembly Fixing Screw	3 ± 1
Front Bumper Assembly Fixing Bolt	10 ± 1
Front Fog Assembly Fixing Screw	1.5 ± 0.5
Front Bumper Mounting Bracket Assembly Fixing Bolt	10 ± 1
Headlight Fixing Bolt	3.5 ± 0.5
Front Bumper Upper Mounting Bracket Assembly Fixing Bolt	10 ± 1
Front Bumper Lower Mounting Bracket Assembly Fixing Bolt	10 ± 1
Front Bumper Crossmember Assembly Fixing Nut	23 ± 2
Apron Plate Cover Assembly Fixing Screw	3 ± 1
Apron Plate Assembly Fixing Screw	3 ± 1
Front Bumper Center Stiffener Bracket Assembly Fixing Bolt	10 ± 1
Front Bumper Lower Stiffener Bracket Assembly Fixing Nut	10 ± 1
Front Wheel House Protector Assembly Fixing Screw	3 ± 1
Fender Assembly Fixing Bolt	10 ± 1
Engine Lower Protector Assembly Fixing Bolt	10 ± 1
Engine Lower Protector Assembly Fixing Screw	3 ± 1
Rear Bumper Assembly Fixing Screw	3 ± 1
Rear Bumper Assembly Fixing Bolt	3 ± 1
Rear Bumper Mounting Bracket Assembly Fixing Screw	3 ± 1
Rear Bumper Crossmember Assembly Fixing Bolt	23 ± 2
Front Wheel House Protector Assembly of Rear Wheel Fixing Screw	3 ± 1

Description	Torque (N·m)
Rear Wheel House Protector Assembly Fixing Screw	3 ± 1
Front Windshield Lower Garnish Assembly Fixing Screw	3 ± 1
Roof Rack Assembly Fixing Bolt	9 ± 1
Rear Spoiler Assembly Fixing Nut	5 ± 1
High Mounted Stop Light Fixing Nut	3.5 ± 0.5
Back Door Locating Seat Fixing Bolt	1.5 ± 1
Rear Bumper Energy Absorber Fixing Bolt	23 ± 2
Rear Fog Light Fixing Screw	1.5 ± 0.5
Back Door Upper Trim Board Assembly Fixing Screw	3 ± 1
Back Door Upper Trim Board Assembly Fixing Nut	5 ± 1
Camera Fixing Screw	6 ± 0.5

Tool

General Tool

Interior Crow Plate	 RCH0000025
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ON-VEHICLE SERVICE

Radiator Grille Assembly

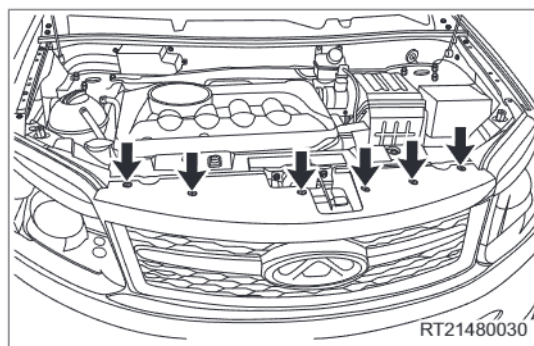
Removal

CAUTION

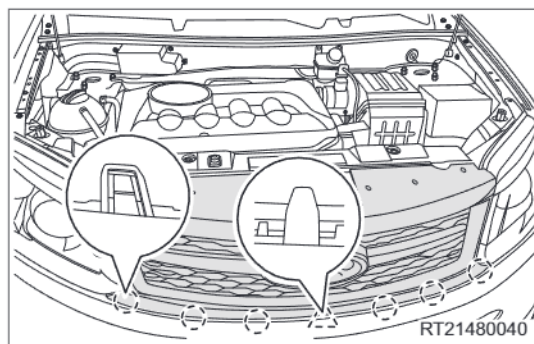
- Be sure to wear safety equipment to prevent accidents when removing radiator grille assembly.
- Appropriate force should be applied when removing radiator grille assembly, and operate carefully.
- Try to prevent body paint surface from being scratched when removing radiator grille assembly.

1. Remove the radiator grille assembly.

- Remove 6 plastic clips (arrow) from the radiator grille assembly.

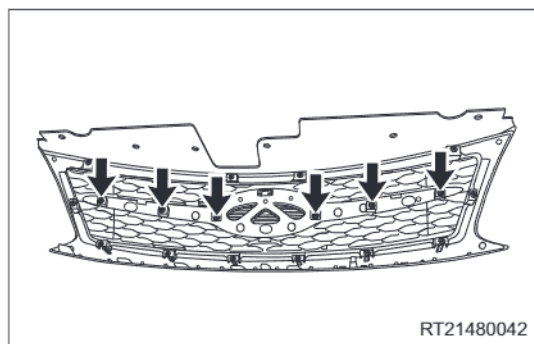


- Using a screwdriver wrapped with protective tape, pry up the claw on radiator grille assembly.
- Remove the radiator grille assembly.

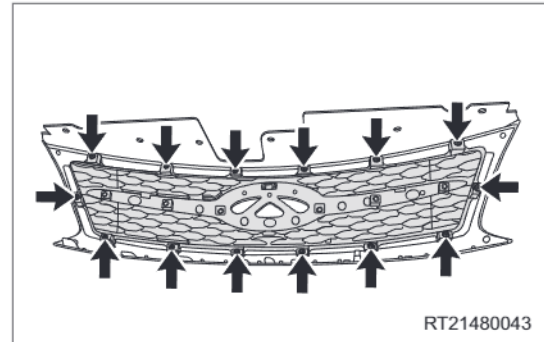


2. Remove the front name plate CAC assembly.

- Remove 6 fixing crews (arrow) from the front name plate CAC assembly. (Tightening torque: 3 ± 1 N·m)
- Remove the front name plate CAC assembly from the radiator grille assembly.



3. Remove the front bumper upper grille.
 - a. Remove 14 fixing screws (arrow) from the front bumper upper grille.
(Tightening torque: 3 ± 1 N·m)
 - b. Remove the front bumper upper grille from the radiator grille assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing radiator grille assembly.
- Try to prevent body paint surface from being scratched when installing radiator grille assembly.
- Make sure that radiator grille is installed correctly and fitting clearance between radiator grille and front bumper is appropriate when installing radiator grille assembly.

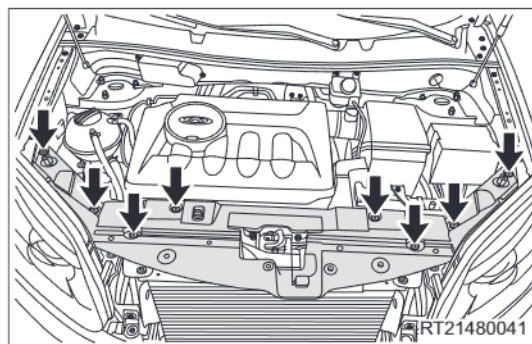
Water Tank Upper Crossmember Trim Board

Removal

CAUTION

- Make sure to wear safety equipment to prevent accidents when removing water tank upper crossmember trim board.
- Appropriate force should be applied when removing water tank upper crossmember trim board. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched when removing water tank upper crossmember trim board.

1. Remove the radiator grille assembly ([See page 48-8](#)).
2. Remove the water tank upper crossmember trim board.
 - a. Remove 8 plastic clips (arrow) from the water tank upper crossmember trim board.
 - b. Remove the water tank upper crossmember trim board.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing water tank upper crossmember trim board.
- Try to prevent body paint surface from being scratched when installing water tank upper crossmember trim board.

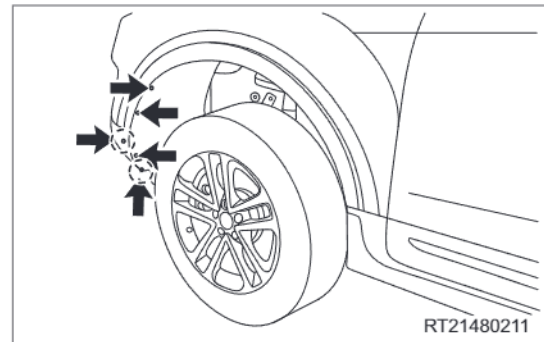
Front Bumper Assembly

Removal

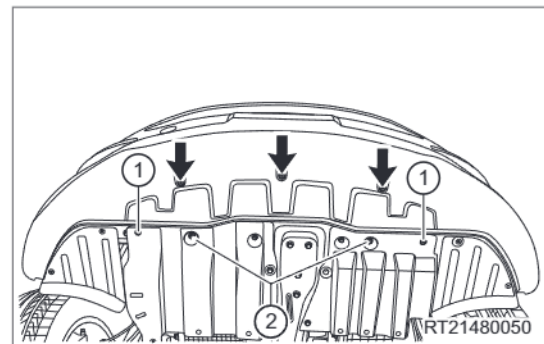
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing front bumper assembly.
- Appropriate force should be applied when removing front bumper assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched when removing front bumper assembly.

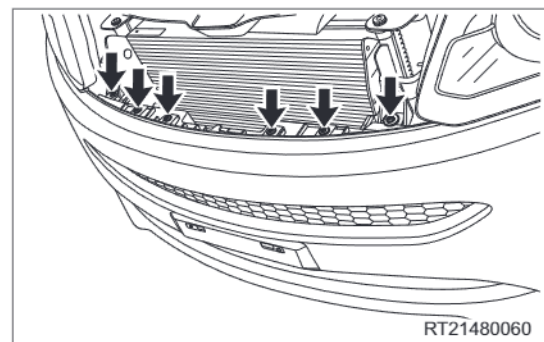
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the radiator grille assembly ([See page 48-8](#)).
4. Remove the front bumper assembly.
 - a. Raise the vehicle with a lifter, and remove 5 fixing screws (arrow) between front bumper assembly and front wheel house protector assembly (take left side as an example).
(Tightening torque: $3 \pm 1 \text{ N}\cdot\text{m}$)



- b. Remove 3 plastic clips (arrow) from the lower part of front bumper assembly.
- c. Remove 2 fixing screws (1) from the lower part of front bumper assembly.
(Tightening torque: $3 \pm 1 \text{ N}\cdot\text{m}$)
- d. Remove 2 fixing bolts (2) from the lower part of front bumper assembly.
(Tightening torque: $10 \pm 1 \text{ N}\cdot\text{m}$)

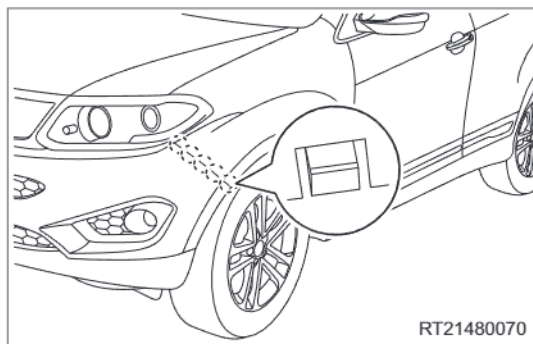


- e. Lower the vehicle to a proper position, and remove 6 fixing bolts (arrow) from the upper part of front bumper assembly.
(Tightening torque: $10 \pm 1 \text{ N}\cdot\text{m}$)



48

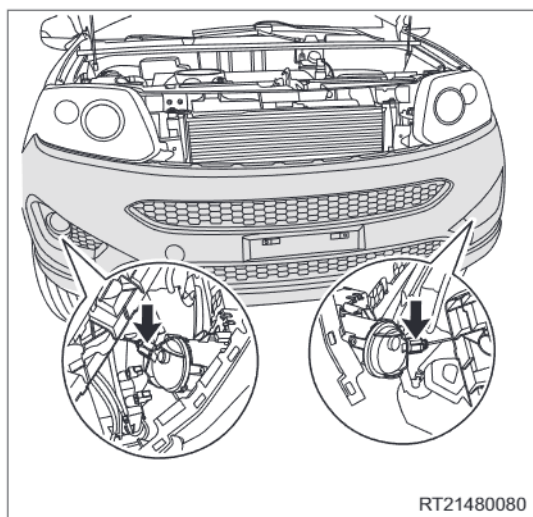
- f. Disengage the claws from the front bumper assembly (take left side as an example).



CAUTION

- Avoid breaking the claws when removing the front bumper assembly.

- g. Disconnect the front fog light connectors (arrow), and remove the front bumper assembly.

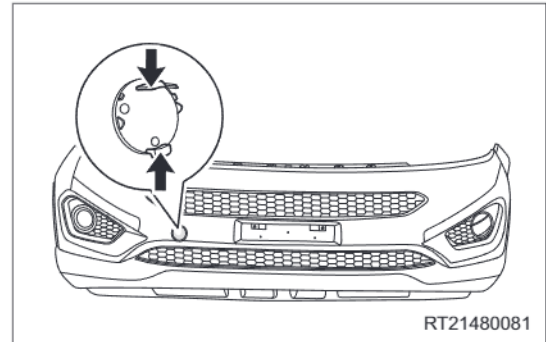


Disassembly

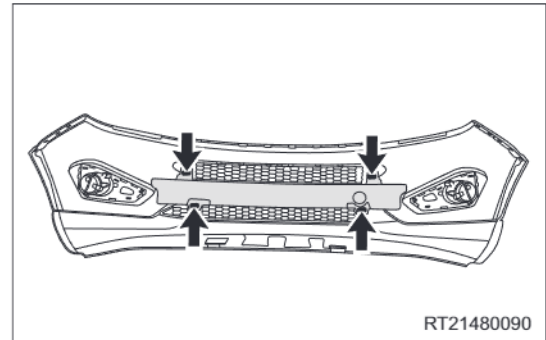
CAUTION

- Be sure to wear safety equipment to prevent accidents when disassembling front bumper assembly.
- Appropriate force should be applied when disassembling front bumper assembly. Be careful not to operate roughly.
- Avoid breaking the claws when disassembling front bumper assembly.

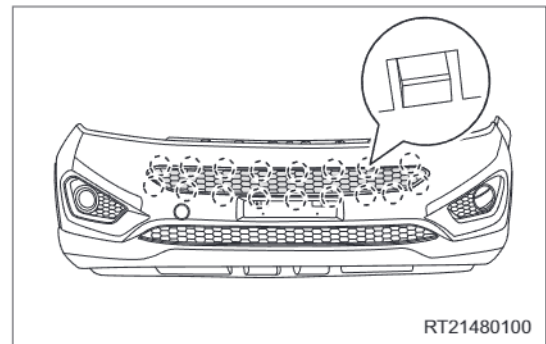
1. Remove the front towing hook cover plate.
 - a. Using a screwdriver wrapped with protective tape, remove the front towing hook cover plate claw (arrow).
 - b. Remove the front towing hook cover plate from the front bumper assembly.



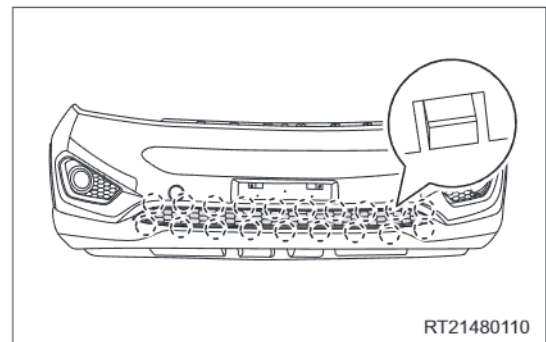
2. Remove the front bumper energy absorber.
 - a. Remove the clamping washers (arrow) from the front bumper energy absorber.
 - b. Remove the front bumper energy absorber from the front bumper assembly.



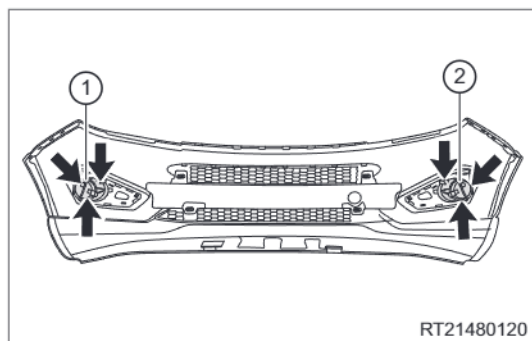
3. Remove the front bumper upper center grille.
 - a. Using a screwdriver wrapped with protective tape, pry up the claws on front bumper upper center grille.
 - b. Remove the front bumper upper center grille from the front bumper assembly.



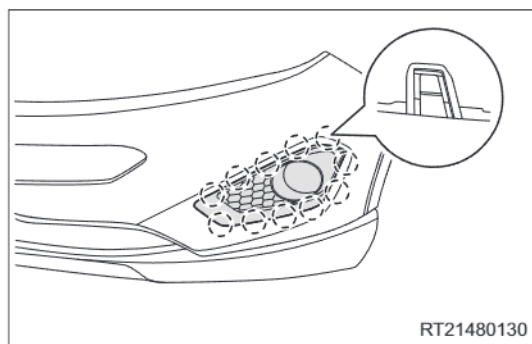
4. Remove the front bumper lower center grille.
 - a. Using a screwdriver wrapped with protective tape, pry up the claws on front bumper lower center grille.
 - b. Remove the front bumper lower center grille from the front bumper assembly.



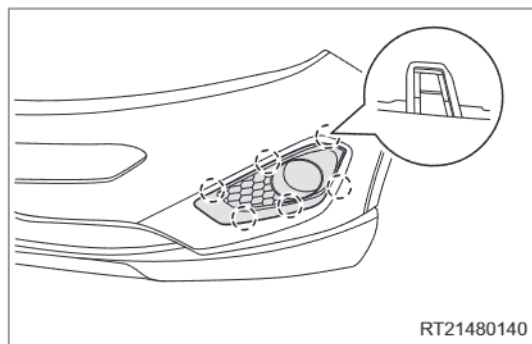
5. Remove the front fog light assembly.
 - a. Remove 6 fixing crews (arrow) from the front fog light assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the front left fog light assembly (1) and front right fog light assembly (2) from the front bumper assembly.



6. Remove the front left fog light cover garnish (take left side as an example).
 - a. Using a screwdriver wrapped with protective tape, pry up the claws on front left fog light cover garnish.
 - b. Remove the front left fog light cover garnish from the front bumper assembly.



7. Remove the front left fog light cover (take left side as an example).
 - a. Using a screwdriver wrapped with protective tape, pry up the claws on front left fog light cover.
 - b. Remove the front left fog light cover from the front bumper assembly.



Assembly

Assembly is in the reverse order of disassembly.

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CAUTION

- Be sure to wear safety equipment to prevent accidents when installing front bumper assembly.
- Try to prevent body paint surface from being scratched when installing front bumper assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing front bumper assembly.
- Try to prevent body paint surface from being scratched when installing front bumper assembly.
- Make sure that front bumper is installed correctly and fitting clearance between front bumper and body is appropriate when installing front bumper assembly.

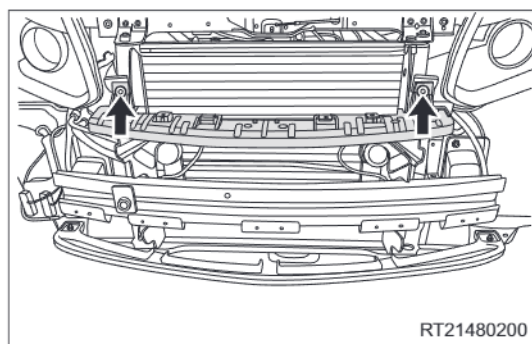
Front Bumper Stiffener Bracket Assembly

Removal

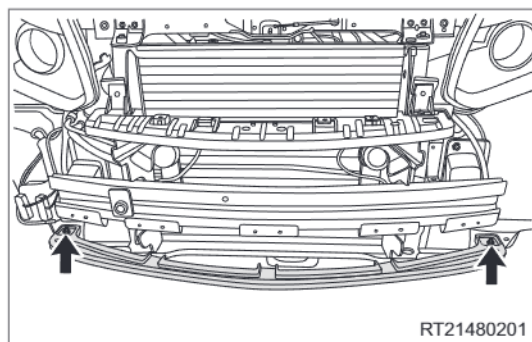
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing front bumper stiffener bracket assembly.
- Try to prevent body paint surface from being scratched when removing front bumper stiffener bracket assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 48-11).
4. Remove the front bumper center stiffener bracket assembly.
 - a. Remove 2 fixing bolts (arrow) from the front bumper center stiffener bracket assembly.
(Tightening torque: 10 ± 1 N·m)
 - b. Remove the front bumper center stiffener bracket assembly.



5. Remove the front bumper lower stiffener bracket assembly.
 - a. Remove 2 fixing nuts (arrow) from the front bumper lower stiffener bracket assembly.
(Tightening torque: 10 ± 1 N·m)
 - b. Remove the front bumper lower stiffener bracket assembly.



48 Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing front bumper stiffener bracket assembly.
- Try to prevent body paint surface from being scratched when installing front bumper stiffener bracket assembly.

Front Bumper Mounting Bracket Assembly

Removal

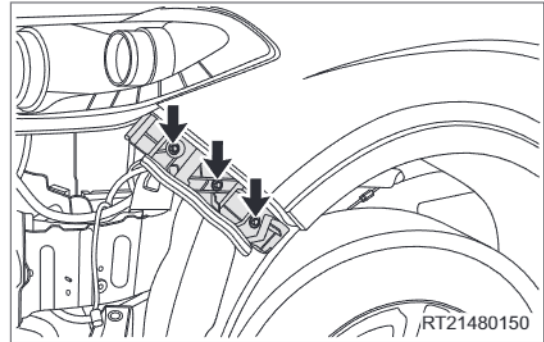
HINT:

- Use the same procedures for the right side and left side.
- Procedures listed below are for the left side.

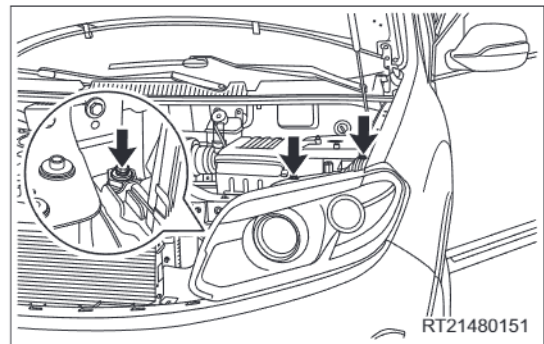
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing front bumper mounting bracket assembly.
- Try to prevent body paint surface from being scratched when removing front bumper mounting bracket assembly.

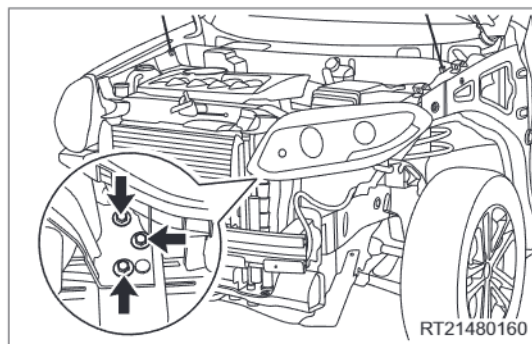
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly ([See page 48-11](#)).
4. Remove the front bumper left mounting bracket assembly.
 - a. Remove 3 fixing bolts (arrow) from the front bumper left mounting bracket assembly.
(Tightening torque: 10 ± 1 N·m)
 - b. Remove the front bumper left mounting bracket assembly.



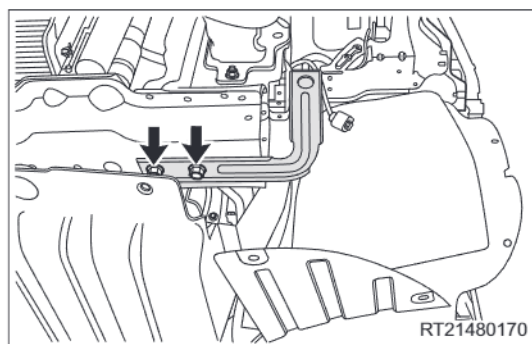
5. Remove the front bumper center stiffener bracket assembly ([See page 48-16](#)).
6. Remove the front bumper left mounting bracket assembly (take left side as an example).
 - a. Remove 3 fixing bolts (arrow) from the headlight.
(Tightening torque: 3.5 ± 0.5 N·m)



- b. Remove 3 fixing bolts (arrow) from the front bumper upper mounting bracket assembly.
(Tightening torque: 10 ± 1 N·m)
- c. Remove the front bumper upper mounting bracket assembly.



7. Remove the front bumper lower stiffener bracket assembly (See page 48-16).
8. Remove the front bumper lower left mounting bracket assembly (take left side as an example).
 - a. Remove 2 fixing bolts (arrow) from the front bumper lower mounting bracket assembly.
(Tightening torque: 10 ± 1 N·m)
 - b. Remove the front bumper lower left mounting bracket assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing front bumper mounting bracket assembly.
- Try to prevent body paint surface from being scratched when installing front bumper mounting bracket assembly.

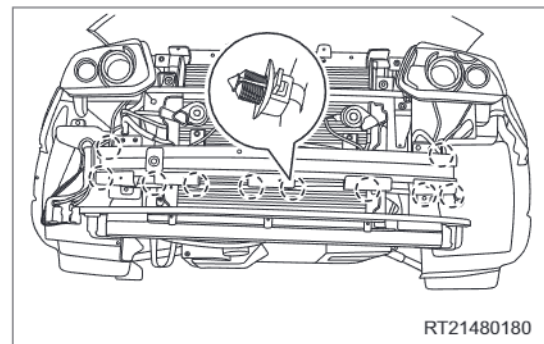
Front Bumper Crossmember Assembly

Removal

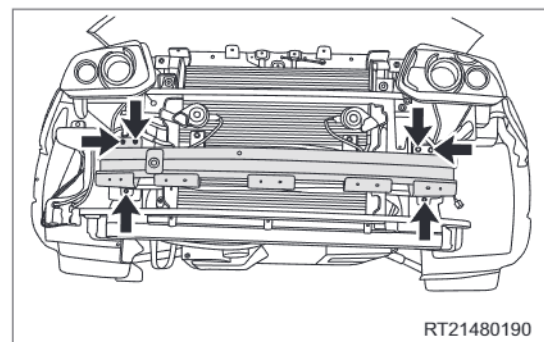
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing front bumper crossmember assembly.
- Try to prevent body paint surface from being scratched when removing front bumper crossmember assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 48-16).
4. Remove the horn assembly (See page 41-8).
5. Remove the front bumper crossmember assembly.
 - a. Disengage the wire harness clips from the front bumper crossmember assembly.



- b. Remove 6 fixing nuts (arrow) from the front bumper crossmember assembly.
(Tightening torque: 23 ± 2 N·m)
- c. Remove the front bumper crossmember assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing front bumper crossmember assembly.
- Try to prevent body paint surface from being scratched when installing front bumper crossmember assembly.
- Front bumper crossmember assembly should not be loose, shaking and deformed after installing it.

Wheel Flare Assembly

Removal

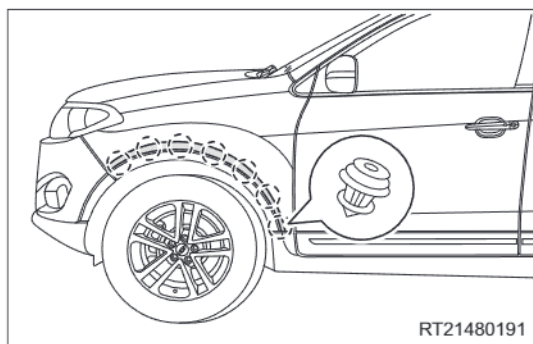
HINT:

- Use the same procedures for the right side and left side.
- Procedures listed below are for the left side.

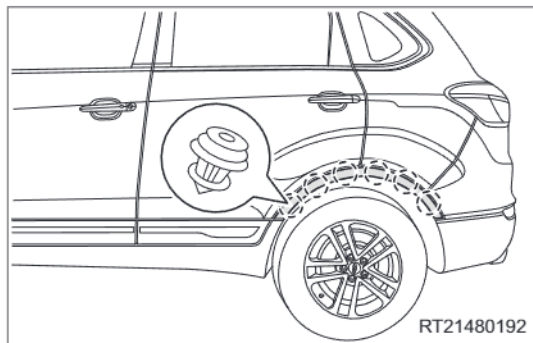
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing wheel flare assembly.
- Appropriate force should be applied when removing the wheel flare assembly, and operate carefully.
- Try to prevent body paint surface from being scratched when removing wheel flare assembly.

1. Remove the front left wheel flare assembly.
 - a. Remove the clips from the front left wheel flare assembly.
 - b. Remove the front left wheel flare assembly.



2. Remove the rear left wheel flare assembly.
 - a. Remove the clips from the rear left wheel flare assembly.
 - b. Remove the rear left wheel flare assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing wheel flare assembly.
- Try to prevent body paint surface from being scratched when installing wheel flare assembly.
- Make sure damaged clips are replaced and wheel flare assembly is installed in place when installing wheel flare assembly.

Apron Plate Assembly

Removal

HINT:

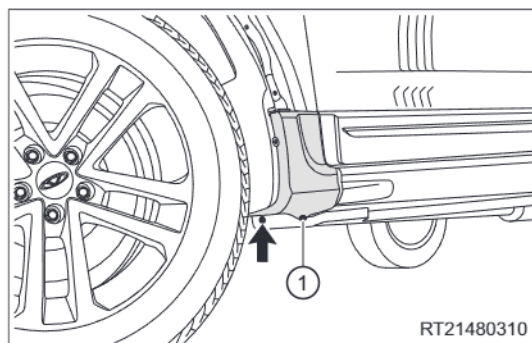
- Use the same procedures for the right side and left side.
- Procedures listed below are for the left side.

CAUTION

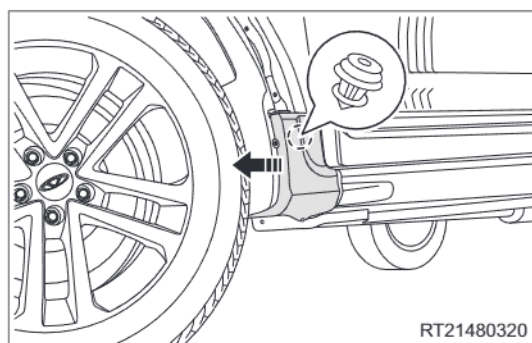
- Be sure to wear safety equipment to prevent accidents when removing apron plate assembly.
- Appropriate force should be applied when removing apron plate assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched when removing apron plate assembly.

1. Remove the front left wheel flare assembly (See page 48-20).
2. Remove the left apron plate cover assembly.

- a. Remove the fixing crew (1) from the left apron plate cover assembly.
(Tightening torque: 3 ± 1 N·m)
- b. Remove the plastic clip (arrow) from the left apron plate cover assembly.

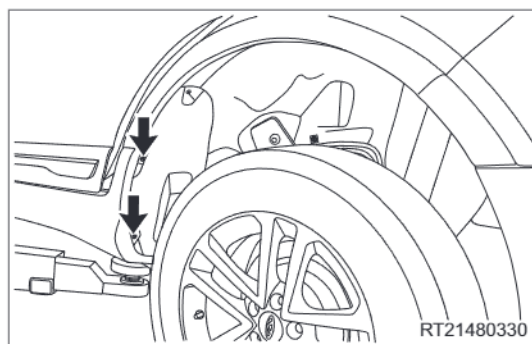


- c. Using an interior crow plate, pry off the clip from the left apron plate cover assembly.
- d. Remove the left apron plate cover assembly in the direction of arrow as shown in the illustration.

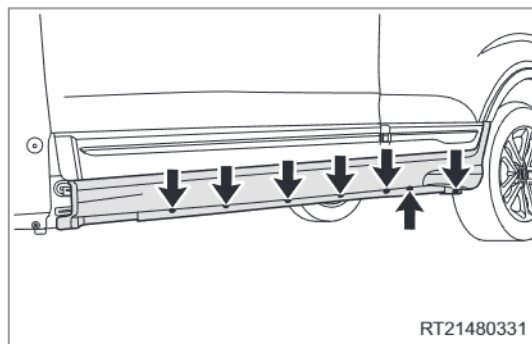


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3. Remove the left apron plate assembly.
 - a. Remove 2 fixing crews (arrow) from the left apron plate assembly.
(Tightening torque: 3 ± 1 N·m)



- b. Remove 7 plastic clips (arrow) from the left apron plate assembly, and remove the left apron plate assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing apron plate assembly.
- Try to prevent body paint surface from being scratched when installing apron plate assembly.
- Make sure damaged clips are replaced and apron plate assembly is installed in place when installing apron plate assembly.

Front Wheel House Protector Assembly

Removal

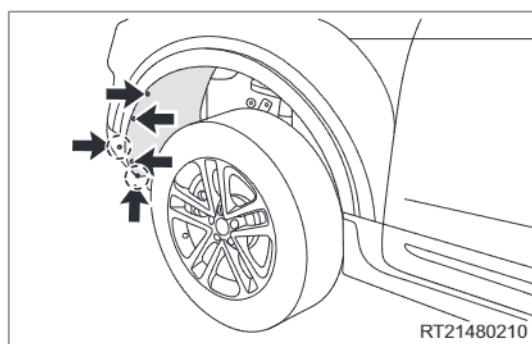
HINT:

- Use the same procedures for the right side and left side.
- Procedures listed below are for the left side.

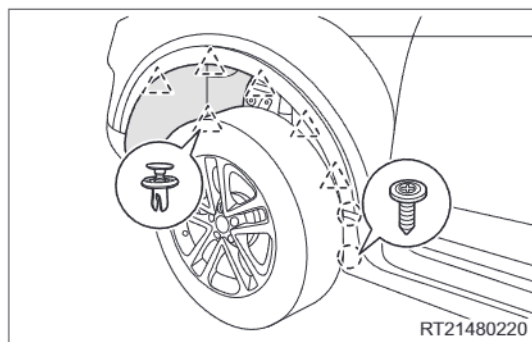
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing front wheel house protector assembly.
- Try to prevent body paint surface from being scratched when removing front wheel house protector assembly.

1. Remove the front left wheel house protector assembly.
 - a. Remove 5 fixing crews (arrow) from the front left wheel house protector assembly.
(Tightening torque: 3 ± 1 N·m)



- b. Remove 2 fixing screws from the front left wheel house protector assembly.
(Tightening torque: 3 ± 1 N·m)
- c. Remove 6 plastic clips from the front left wheel house protector assembly.
- d. Remove the front left wheel house protector assembly.



Installation

48

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing front wheel house protector assembly.
- Try to prevent body paint surface from being scratched when installing front wheel house protector assembly.
- Make sure damaged clips are replaced and front wheel house protector assembly is installed in place when installing front wheel house protector assembly.

Fender Assembly

Removal

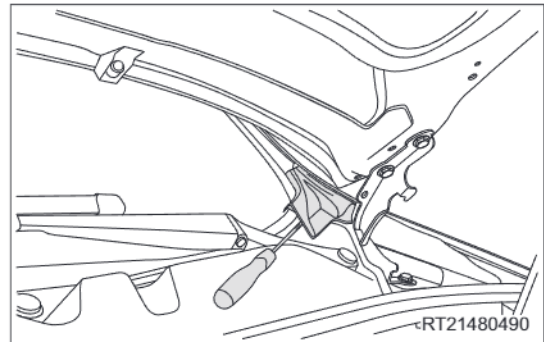
HINT:

- Use the same procedures for the right side and left side.
- Procedures listed below are for the left side.

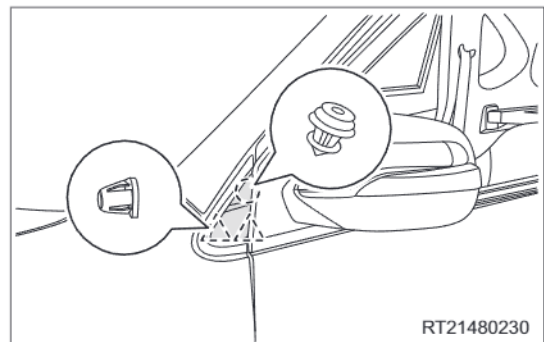
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing fender assembly.
- Try to prevent body paint surface from being scratched when removing fender assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front left wheel flare assembly ([See page 48-20](#)).
4. Remove the left apron plate cover assembly ([See page 48-22](#)).
5. Remove the front bumper assembly ([See page 48-11](#)).
6. Remove the front bumper left mounting bracket assembly ([See page 48-17](#)).
7. Remove the front windshield lower garnish left cover plate.
 - a. Using a screwdriver wrapped with protective tape, pry up the claws on front windshield lower garnish left cover plate.
 - b. Remove the front windshield lower garnish left cover plate.

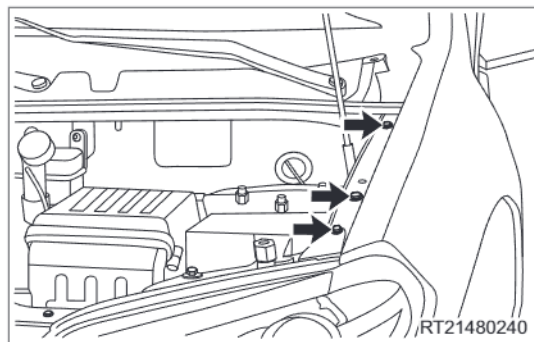


8. Remove the left outer triangular block assembly.
 - a. Using an interior crow plate, pry off the clips from the left outer triangular block assembly, and remove the left outer triangular block assembly.

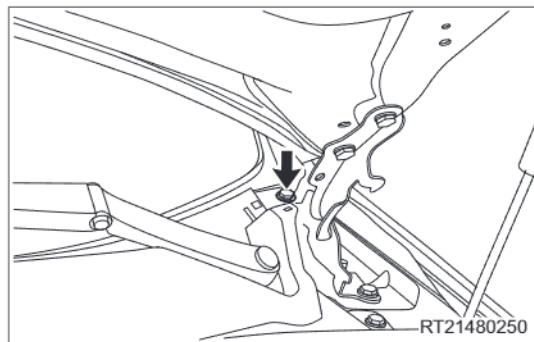


9. Remove the left fender assembly.

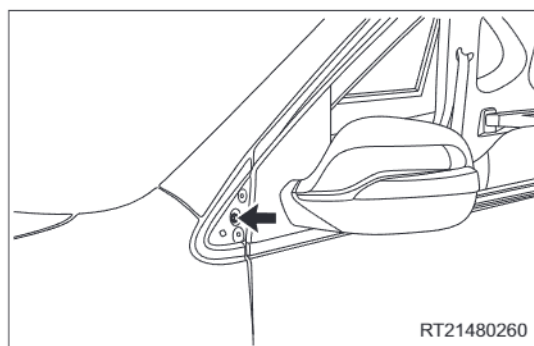
- a. Remove 3 fixing bolts (arrow) between the upper part of fender assembly and body.
(Tightening torque: 10 ± 1 N·m)



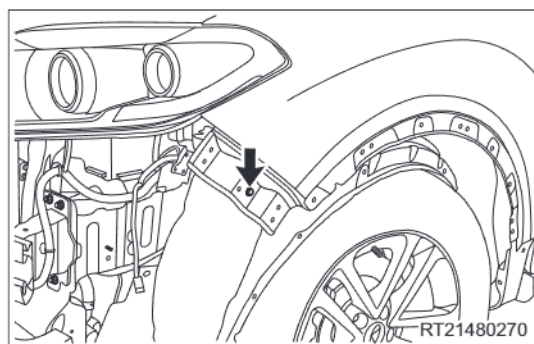
- b. Remove the fixing bolt (arrow) between fender assembly and engine hood hinge.
(Tightening torque: 10 ± 1 N·m)



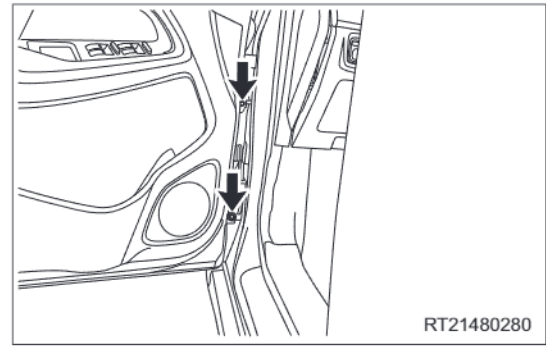
- c. Remove the fixing bolt (arrow) between fender assembly and body.
(Tightening torque: 10 ± 1 N·m)



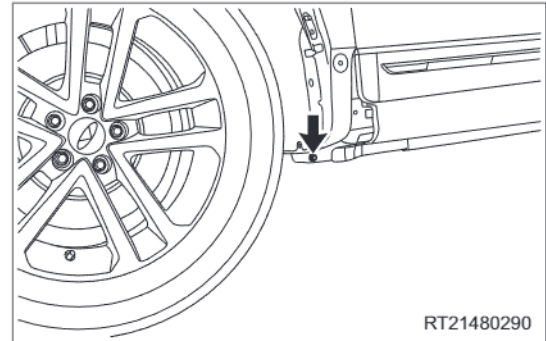
- d. Remove the fixing bolt (arrow) between front part of fender assembly and body.
(Tightening torque: 10 ± 1 N·m)



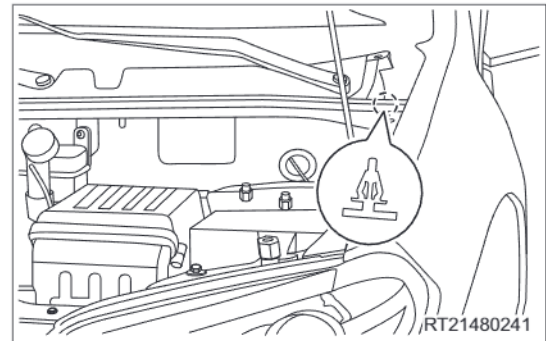
- e. Remove 2 fixing bolts (arrow) between inner part of fender assembly and body.
(Tightening torque: 10 ± 1 N·m)



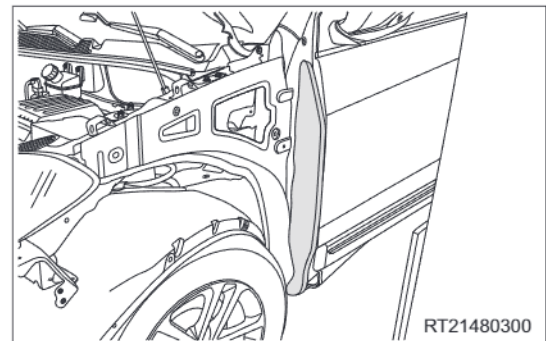
- f. Remove the fixing bolt (arrow) between lower part of fender assembly and body.
(Tightening torque: 10 ± 1 N·m)



- g. Remove the clip from the front windshield lower garnish weatherstrip, and remove the left fender assembly.



10. Remove the left fender sponge.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing front fender.
- Try to prevent body paint surface from being scratched when installing front fender.
- Make sure that front fender is installed correctly and fitting clearance between front fender and body is appropriate when installing front fender.

Engine Lower Protector Assembly

Removal

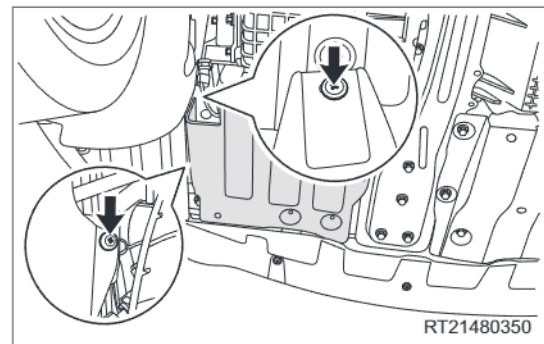
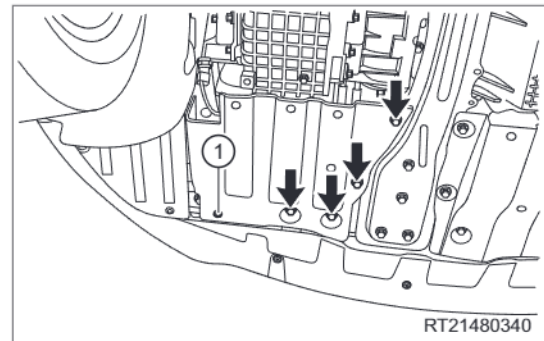
HINT:

- Use the same procedures for the right side and left side.
- Procedures listed below are for the left side.

CAUTION

- Be sure to wear safety equipment to prevent accidents when removing engine lower protector assembly.
- Try to prevent body paint surface from being scratched when removing engine lower protector assembly.

1. Remove the engine lower left protector assembly.
 - a. Remove 4 fixing bolts (arrow) from the engine lower left protector assembly.
(Tightening torque: 10 ± 1 N·m)
 - b. Remove the fixing screw (1) from the engine lower left protector assembly.
(Tightening torque: 3 ± 1 N·m)
 - c. Remove 2 plastic clips (arrow) from the engine lower left protector assembly, and remove the left engine lower left protector assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing engine lower protector assembly.
- Try to prevent body paint surface from being scratched when installing engine lower protector assembly.

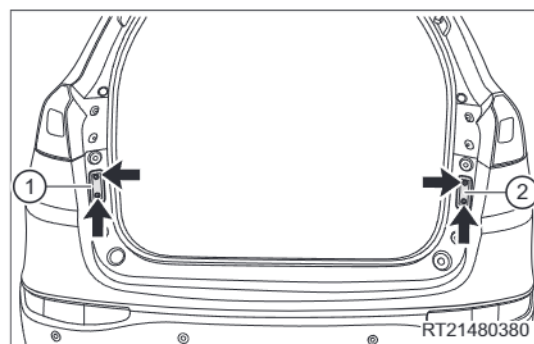
Rear Bumper Assembly

Removal

CAUTION

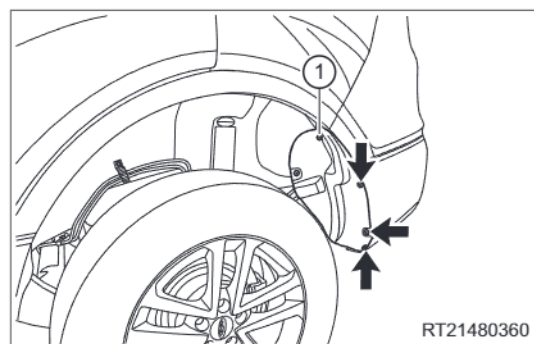
- Be sure to wear safety equipment to prevent accidents when removing rear bumper assembly.
- Appropriate force should be applied when removing rear bumper assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched when removing rear bumper assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the back door locating seat.
 - a. Remove 4 fixing bolts (arrow) from the back door locating seat.
(Tightening torque: $1.5 \pm 1 \text{ N}\cdot\text{m}$)
 - b. Remove the back door left locating seat (1) and back door right locating seat (2).



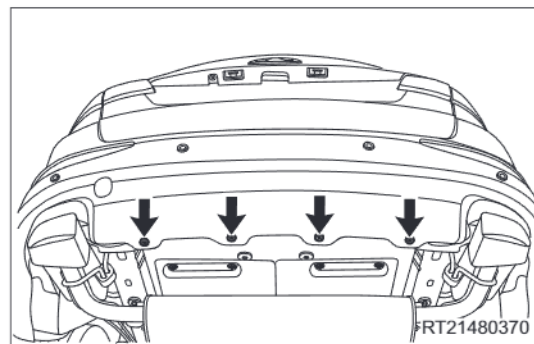
4. Remove the rear combination light assembly (fixed part) ([See page 35-74](#)).
5. Remove the rear bumper assembly.

- a. Raise the vehicle with a lifter, and remove the fixing screw (1) between rear bumper assembly and rear wheel house protector assembly (take left side as an example).
(Tightening torque: $3 \pm 1 \text{ N}\cdot\text{m}$)
- b. Remove 3 plastic clips (arrow) between rear bumper assembly and rear wheel house protector assembly (take left side as an example).

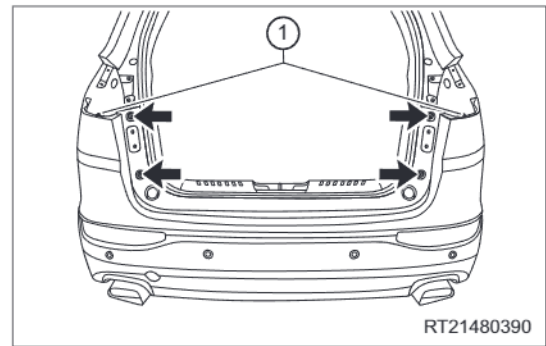


48

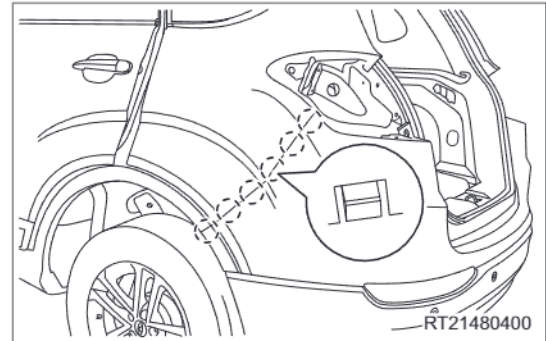
- c. Remove 4 plastic clips (arrow) from the lower part of rear bumper assembly.



- d. Lower the vehicle, and remove 4 fixing screws (arrow) from the upper part of rear bumper assembly.
(Tightening torque: 3 ± 1 N·m)
- e. Remove 2 fixing bolts (1) from the upper part of rear bumper assembly.
(Tightening torque: 3 ± 1 N·m)



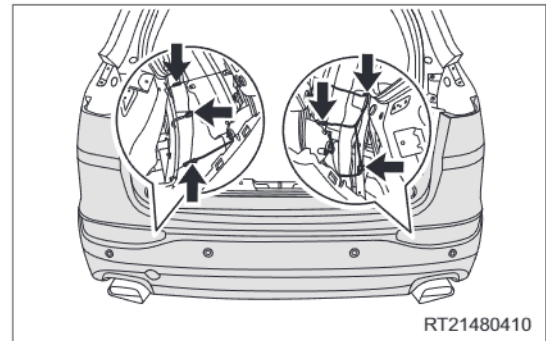
- f. Disengage the claws from the rear bumper assembly (take left side as an example).



CAUTION

- Avoid breaking claws when removing rear bumper assembly.

- g. Disconnect the connectors (arrow) from the rear bumper assembly, and remove the rear bumper assembly.

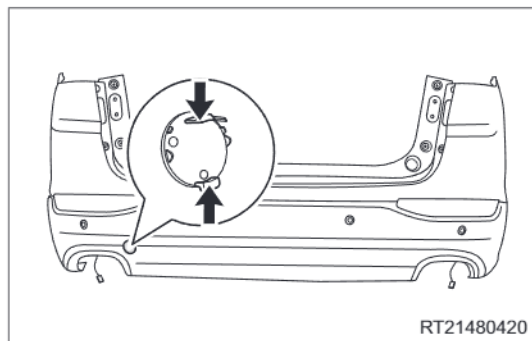


Disassembly

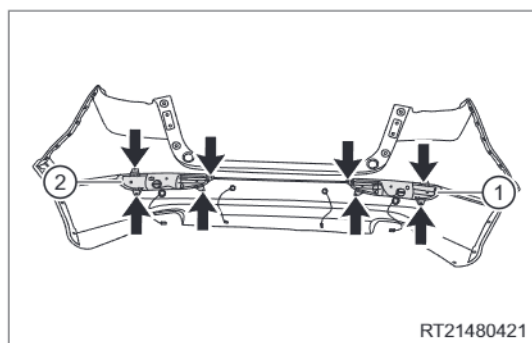
CAUTION

- Be sure to wear safety equipment to prevent accidents when disassembly rear bumper assembly.
- Appropriate force should be applied when disassembling rear bumper assembly. Be careful not to operate roughly.
- Avoid breaking claws when disassembly rear bumper assembly.

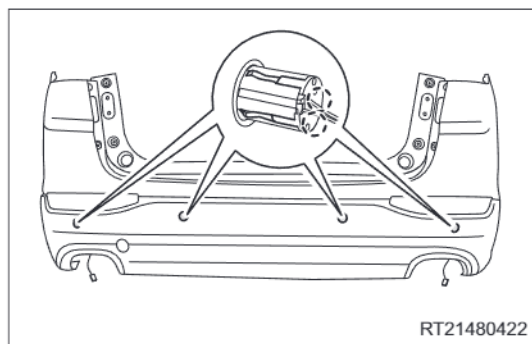
1. Remove the rear towing hook cover plate.
 - a. Using a screwdriver wrapped with protective tape, remove the rear towing hook cover plate claws (arrow).
 - b. Remove the rear towing hook cover plate from the rear bumper assembly.



2. Remove the rear fog light.
 - a. Remove 8 fixing crews (arrow) from the rear fog light. (Tightening torque: 1.5 ± 0.5 N·m)
 - b. Remove the rear left fog light (1) and rear right fog light (2) from the rear bumper assembly.



3. Remove the reversing radar sensor.
 - a. Press the claws on the reversing radar sensor.
 - b. Remove the reversing radar sensor from the rear bumper assembly.



Assembly

Assembly is in the reverse order of disassembly.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing rear bumper assembly.
- Try to prevent body paint surface from being scratched when installing rear bumper assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing rear bumper assembly.
- Try to prevent body paint surface from being scratched when installing rear bumper assembly.
- Make sure rear bumper is installed correctly and fitting clearance between rear bumper and body is appropriate when installing rear bumper assembly.

Rear Bumper Mounting Bracket Assembly

Removal

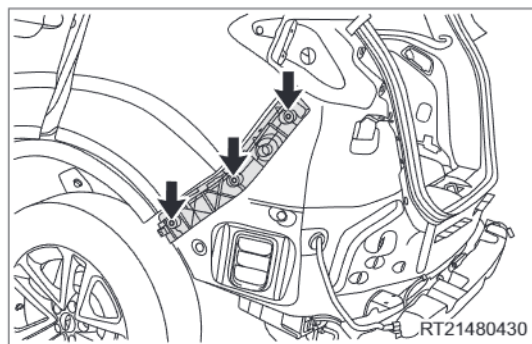
HINT:

- Use the same procedures for the right side and left side.
- Procedures listed below are for the left side.

CAUTION

- Be sure to wear safety equipment to prevent accidents when removing rear bumper mounting bracket assembly.
- Try to prevent body paint surface from being scratched when removing rear bumper mounting bracket assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the rear bumper assembly ([See page 48-30](#)).
4. Remove the rear bumper left mounting bracket assembly.
 - a. Remove 3 fixing screws (arrow) from the rear bumper left mounting bracket assembly.
(Tightening torque: $3 \pm 1 \text{ N}\cdot\text{m}$)
 - b. Remove the rear bumper left mounting bracket assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing rear bumper mounting bracket assembly.
- Try to prevent body paint surface from being scratched when installing rear bumper mounting bracket assembly.

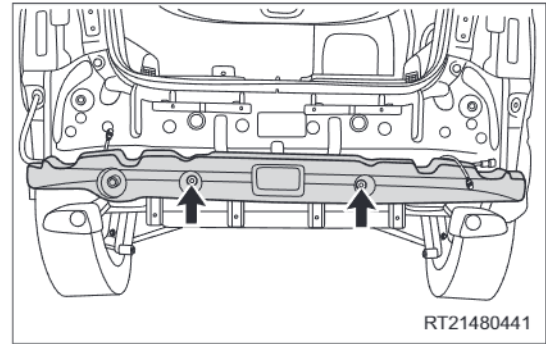
Rear Bumper Crossmember Assembly

Removal

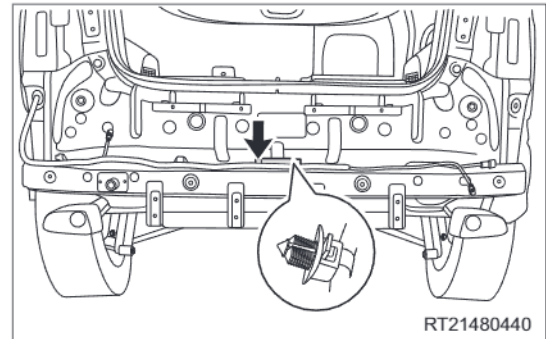
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing rear bumper crossmember assembly.
- Try to prevent body paint surface from being scratched when removing rear bumper crossmember assembly.

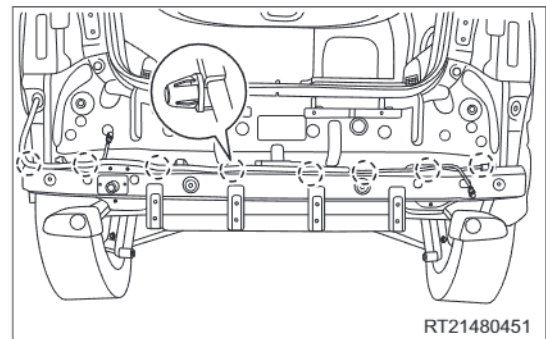
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the rear bumper assembly ([See page 48-30](#)).
4. Remove the rear bumper energy absorber.
 - a. Remove 2 fixing bolts (arrow) from the rear bumper energy absorber, and remove the rear bumper energy absorber.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



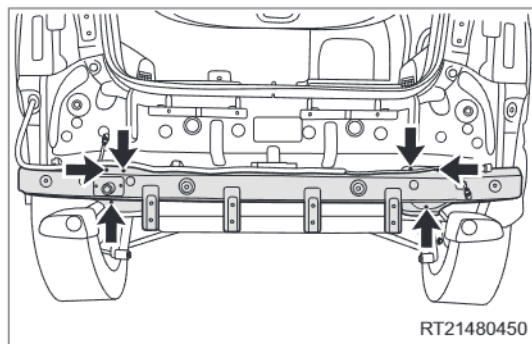
5. Remove the back door handle sensor.
 - a. Disconnect the back door handle sensor (arrow).
 - b. Using a screwdriver wrapped with protective tape, pry up the clip and remove the back door handle sensor.



6. Remove the rear bumper crossmember assembly.
 - a. Using a screwdriver wrapped with protective tape, pry up the wire harness clips.



- b. Remove 6 fixing bolts (arrow) from the rear bumper crossmember assembly.
(Tightening torque: 23 ± 2 N·m)
- c. Remove the rear bumper crossmember assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing rear bumper crossmember assembly.
- Try to prevent body paint surface from being scratched when installing rear bumper crossmember assembly.
- Front bumper crossmember assembly should not be loose, shaking and deformed after installing it.

Front Wheel House Protector Assembly of Rear Wheel

Removal

HINT:

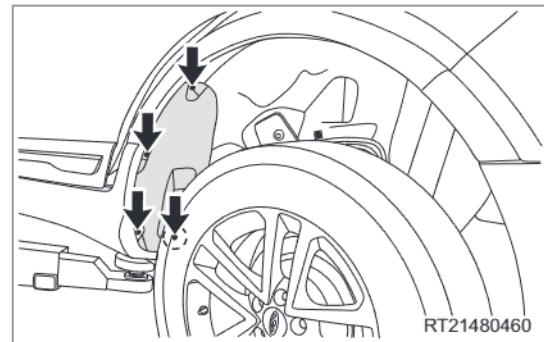
- Use the same procedures for the right side and left side.
- Procedures listed below are for the left side.

CAUTION

- Be sure to wear safety equipment to prevent accidents when removing front wheel house protector assembly of rear wheel.
- Try to prevent body paint surface from being scratched when removing front wheel house protector assembly of rear wheel.

1. Remove the front wheel house protector assembly of rear left wheel.

- Remove 4 fixing screws (arrow) from front wheel house protector assembly of rear left wheel.
(Tightening torque: 3 ± 1 N·m)
- Remove the front wheel house protector assembly of rear left wheel.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing front wheel house protector assembly of rear wheel.
- Try to prevent body paint surface from being scratched when installing front wheel house protector assembly of rear wheel.

Rear Wheel House Protector Assembly

Removal

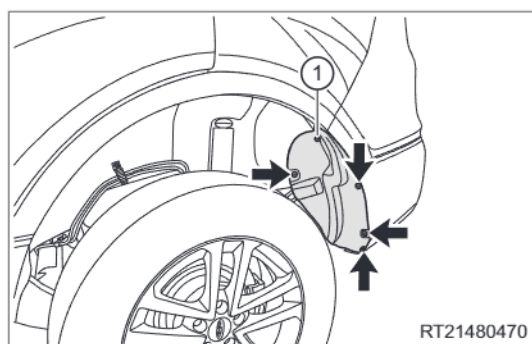
HINT:

- Use the same procedures for the right side and left side.
- Procedures listed below are for the left side.

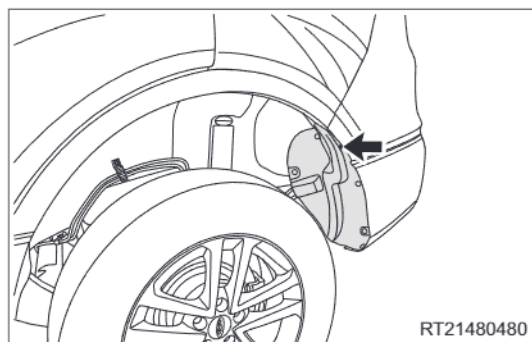
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing rear wheel house protector assembly.
- Try to prevent body paint surface from being scratched when removing rear wheel house protector assembly.

1. Remove the rear left wheel house protector assembly.
 - a. Remove 4 plastic clips (arrow) from the rear left wheel house protector assembly.
 - b. Remove the fixing screw (1) from the inner part of rear left wheel house protector assembly.
(Tightening torque: 3 ± 1 N·m)



- c. Remove the fixing screw (arrow) from the outer part of rear left wheel house protector assembly.
(Tightening torque: 3 ± 1 N·m)
- d. Remove the rear left wheel house protector assembly.



Installation

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Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing rear wheel house protector assembly.
- Try to prevent body paint surface from being scratched when installing rear wheel house protector assembly.
- Make sure damaged clips are replaced and rear wheel house protector assembly is installed in place when installing rear wheel house protector assembly.

Front Windshield Lower Garnish Assembly

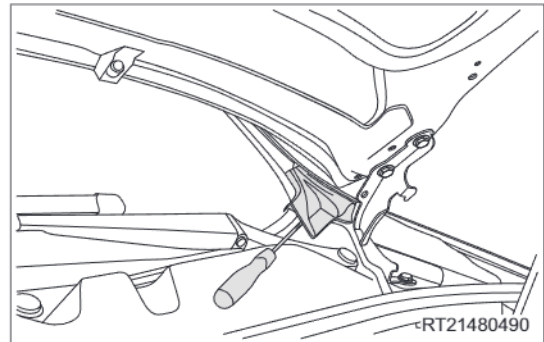
Removal

CAUTION

- Be sure to wear safety equipment to prevent accidents when removing front windshield lower garnish assembly.
- Try to prevent body paint surface from being scratched when removing front windshield lower garnish assembly.

1. Remove the front windshield lower garnish left cover plate (take left side as an example).

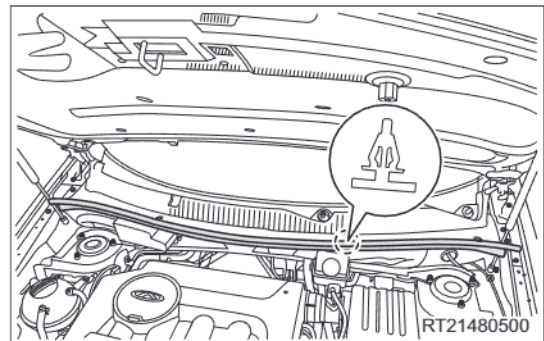
- Using a screwdriver wrapped with protective tape, pry up the claws on front windshield lower garnish left cover plate.
- Remove the front windshield lower garnish left cover plate.



2. Remove the front wiper arm assembly (See page 36-24).

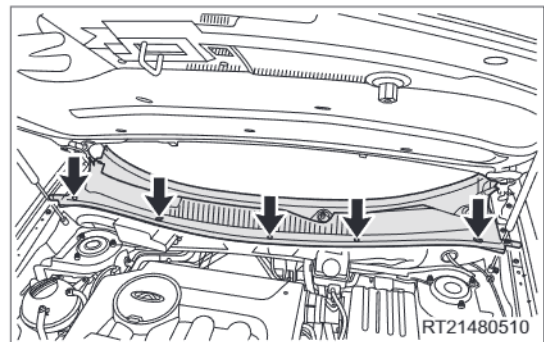
3. Remove the front windshield lower garnish weatherstrip.

- Remove the clip from the front windshield lower garnish weatherstrip.
- Remove the front windshield lower garnish weatherstrip.



4. Remove the front windshield lower garnish assembly.

- Remove 5 fixing screws (arrow) from the front windshield lower garnish assembly, and remove the front windshield lower garnish assembly. (Tightening torque: 3 ± 1 N·m)



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing front windshield lower garnish assembly.
- Try to prevent body paint surface from being scratched when installing front windshield lower garnish assembly.

Roof Rack Assembly

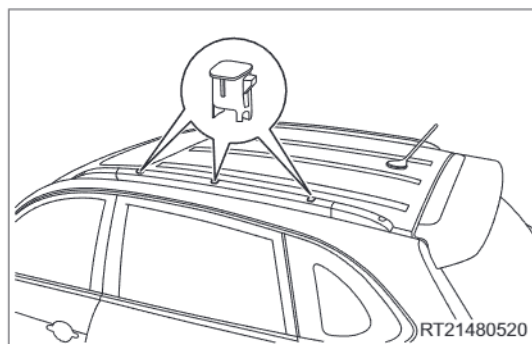
Removal

CAUTION

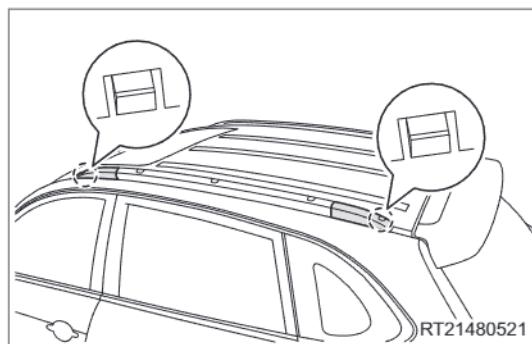
- Be sure to wear safety equipment to prevent accidents when removing roof rack assembly.
- Try to prevent body paint surface from being scratched when removing roof rack assembly.

1. Remove the roof rack assembly.

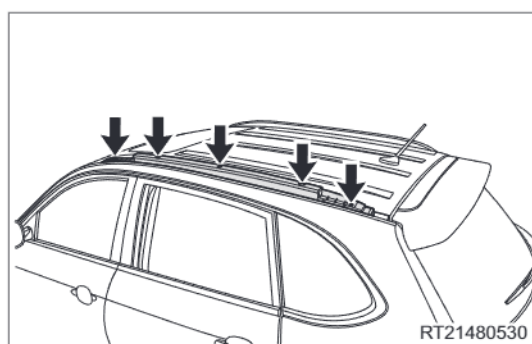
- Using a screwdriver wrapped with protective tape, pry up the claws on roof rack center trim cover and remove the roof rack center trim cover.



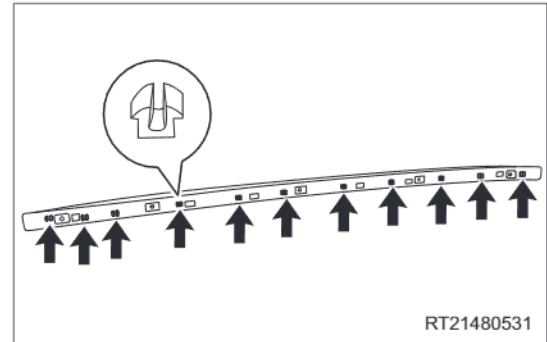
- Using a screwdriver wrapped with protective tape, pry up the claws on roof rack front/rear trim cover and remove the roof rack front/rear trim cover.



- Remove 5 fixing bolts (arrow) from the roof rack assembly, and remove the roof rack assembly. (Tightening torque: 9 ± 1 N·m)



2. Remove the roof rack front cushion.
 - a. Using a screwdriver wrapped with protective tape, pry up the claws (arrow) on roof rack front cushion.
 - b. Remove the roof rack front cushion from the roof rack assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing roof rack assembly.
- Try to prevent body paint surface from being scratched when installing roof rack assembly.

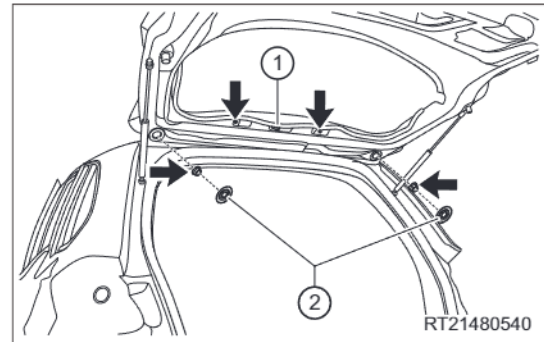
Rear Spoiler Assembly

Removal

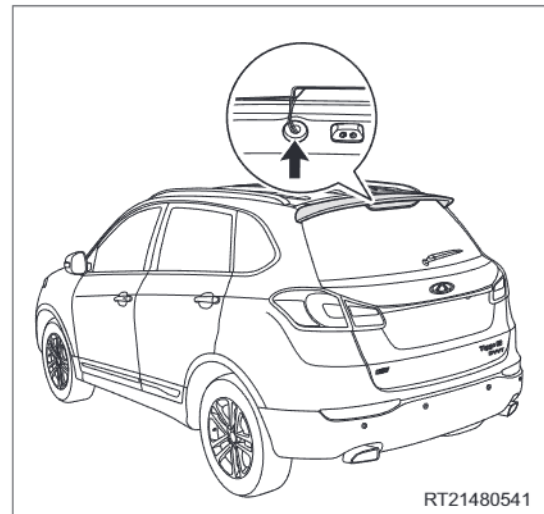
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing rear spoiler assembly.
- Try to prevent body paint surface from being scratched when removing rear spoiler assembly.

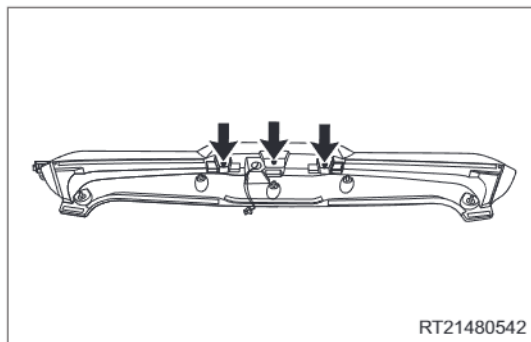
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the back door protector assembly ([See page 47-47](#)).
4. Remove the rear spoiler assembly.
 - a. Disconnect the high mounted stop light connector (1).
 - b. Using a screwdriver wrapped with protective tape, pry up the inside rubber covers (2).
 - c. Remove 4 fixing nuts (arrow) from the rear spoiler assembly.
(Tightening torque: 5 ± 1 N·m)



- d. Using a screwdriver wrapped with protective tape, pry up the outside rubber covers (arrow) and remove the rear spoiler assembly.



5. Remove the high mounted stop light.
 - a. Remove 3 fixing nuts (arrow) from the high mounted stop light.
(Tightening torque: $3.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the high mounted stop light from the rear spoiler assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing rear spoiler assembly.
- Try to prevent body paint surface from being scratched when installing rear spoiler assembly.

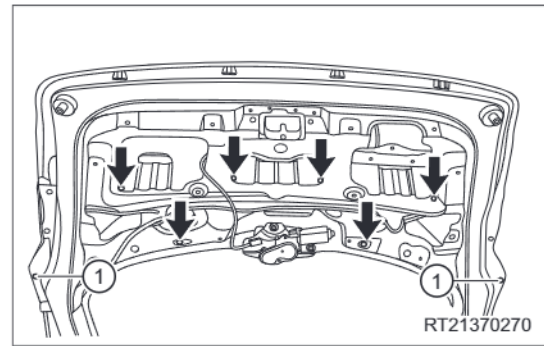
Back Door Upper Trim Board Assembly

Removal

CAUTION

- Be sure to wear safety equipment to prevent accidents when removing back door upper trim board assembly.
- Try to prevent body paint surface from being scratched when removing back door upper trim board assembly.

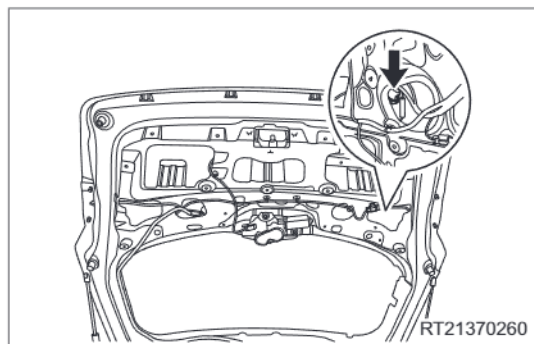
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the back door protector assembly ([See page 47-47](#)).
4. Remove the back door upper trim board assembly.
 - a. Remove 2 fixing screws (1) from the back door upper trim board assembly.
(Tightening torque: $3 \pm 1 \text{ N}\cdot\text{m}$)
 - b. Remove 6 fixing nuts (arrow) from the back door upper trim board assembly.
(Tightening torque: $5 \pm 1 \text{ N}\cdot\text{m}$)



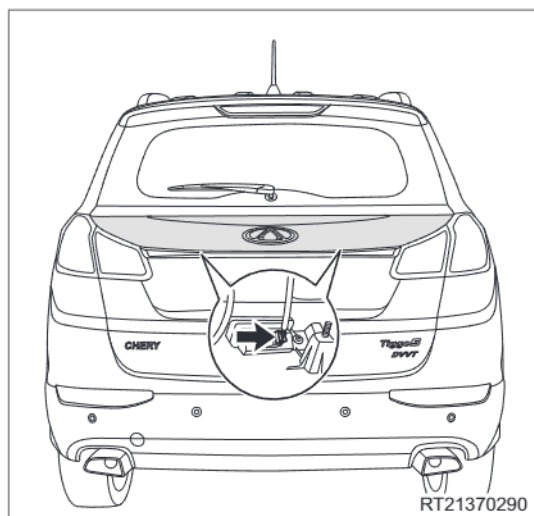
- c. Using a screwdriver wrapped with protective tape, pry off the clips from the back door upper trim board assembly.



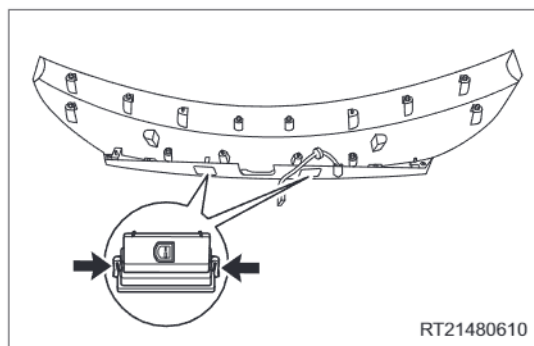
- d. Disconnect the camera connector (arrow).



- e. Disconnect the license plate light connector (arrow), and remove the back door upper trim board assembly.



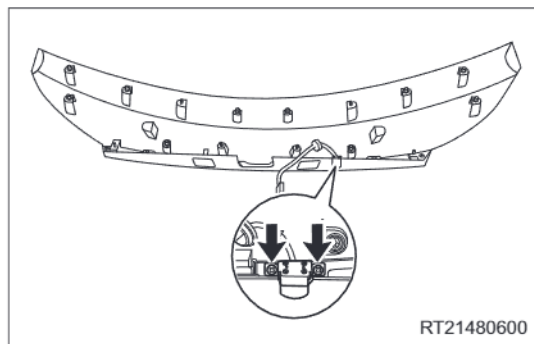
5. Remove the license plate light.
- Press the claws on license plate light in the direction of arrow as shown in the illustration.
 - Remove the license plate light from the back door upper trim board assembly.



6. Remove the camera.

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- Remove 2 fixing screws (arrow) from the camera, and remove the camera.
(Tightening torque: $6 \pm 0.5 \text{ N}\cdot\text{m}$)
- Remove the camera from the back door upper trim board assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents when installing back door upper trim board assembly.
- Try to prevent body paint surface from being scratched when installing back door upper trim board assembly.

Name Plate

Removal

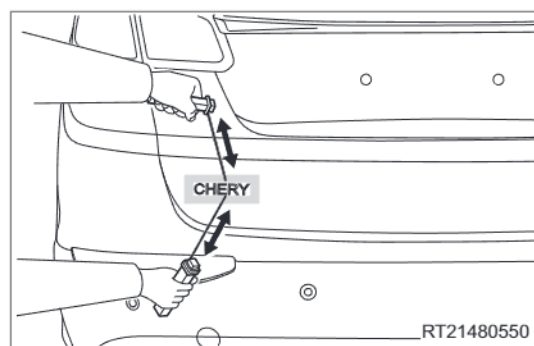
HINT:

- Use the same operation procedures for rear name plate "CAC", name plate "DVVT", name plate "Tiggo5" and name plate "CHERY".
- Procedures listed below are for name plate "CHERY".

CAUTION

- If name plate "CHERY" is to be reused, be careful not to damage it.
- When removing name plate "CHERY", prevent the interior and body paint from being scratched.

1. Remove the name plate "CHERY".
 - a. Attach protective tape around the name plate "CHERY".
 - b. Insert a piano wire between body and name plate "CHERY".
 - c. Tie both piano wire ends to objects (such as wooden blocks) that can serve as handles.
 - d. Pull the piano wire to remove the double-sided tape that holds the name plate on the body.



- e. Remove the name plate "CHERY".

Installation

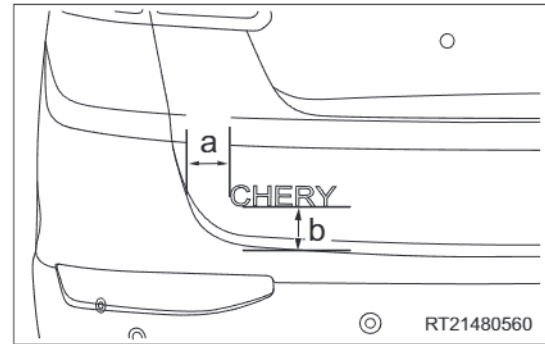
1. Clean the body surface.
 - a. Using a heat light, heat body surface, and remove double-sided tape on the body.
 - b. Wipe off all tape adhesive residues with cleaner.
2. Clean name plate "CHERY" (if name plate "CHERY" is to be reused).
 - a. Using a heat light, heat name plate, and remove double-sided tape on name plate "CHERY".
 - b. Wipe off all tape adhesive residues with cleaner.
 - c. Apply new double-sided tape to name plate "CHERY".
3. Install name plate "CHERY".
 - a. Using a heat light, heat body and name plate "CHERY".
 - b. Remove release paper from name plate "CHERY" and install name plate "CHERY" in place.

CAUTION

- DO NOT overheat the body and name plate.
- DO NOT remove release paper on name plate in advance.
- DO NOT touch name plate adhesive surface with hands.
- After removing release paper, prevent foreign matter from attaching on outside adhesive.

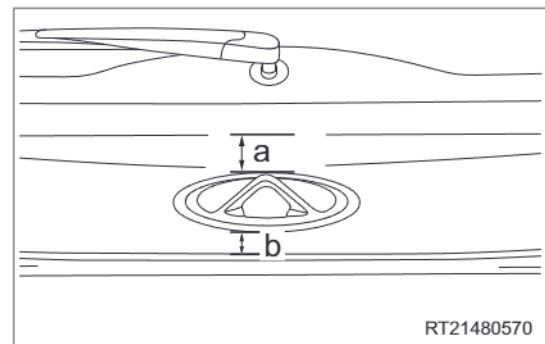
4. Installation distance ranges for name plate "CHERY" are as follows:

- When attaching name plate "CHERY", keep it horizontal and centered.
- Vertical distance "a" between left side of name plate "CHERY" and left side of back door door is 3.3 ± 2 mm.
- Vertical distance "b" between lower side of name plate "CHERY" and lower side of back door door is 10.1 ± 2 mm.



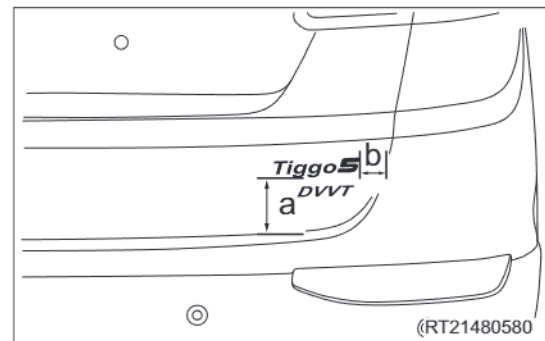
5. Installation distance ranges for rear name plate "CAC" are as follows:

- When attaching rear name plate "CAC", keep it horizontal and centered.
- Vertical distance "a" between upper side of name plate "CAC" and upper side of back door upper trim board is 3.0 ± 2 mm.
- Vertical distance "b" between lower side of name plate "CAC" and lower side of back door upper trim board is 4.4 ± 2 mm.



6. Installation distance ranges for name plate "Tiggo5" are as follows:

- When attaching "Tiggo5" name plate, keep it horizontal and centered.
- Vertical distance "a" between lower side of name plate "Tiggo5" and lower side of back door door is 9.0 ± 2 mm.
- Vertical distance "b" between right side of name plate "Tiggo5" and right side of back door door is 3.7 ± 2 mm.



7. The installation distance ranges for the name plate "DVVT" are as follows:

- When attaching "DVVT" name plate, keep it horizontal and centered.
- Vertical distance "a" between lower side of name plate "DVVT" and lower side of back door door is 5.8 ± 2 mm.
- Vertical distance "b" between right side of name plate "DVVT" and right side of back door door is 3.0 ± 2 mm.

