

EXTERIOR

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دیجیتال خودرو

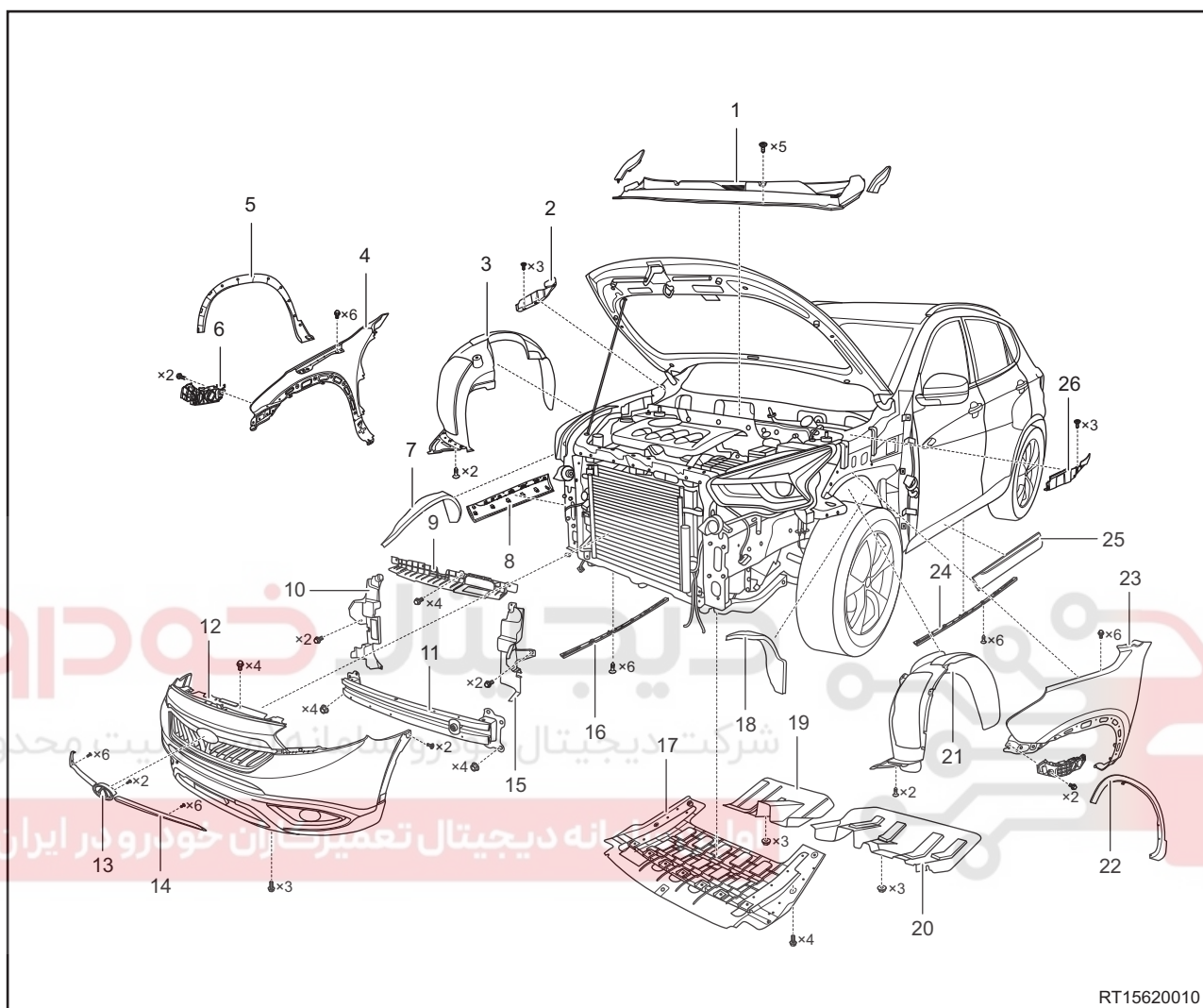
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



GENERAL INFORMATION

Description



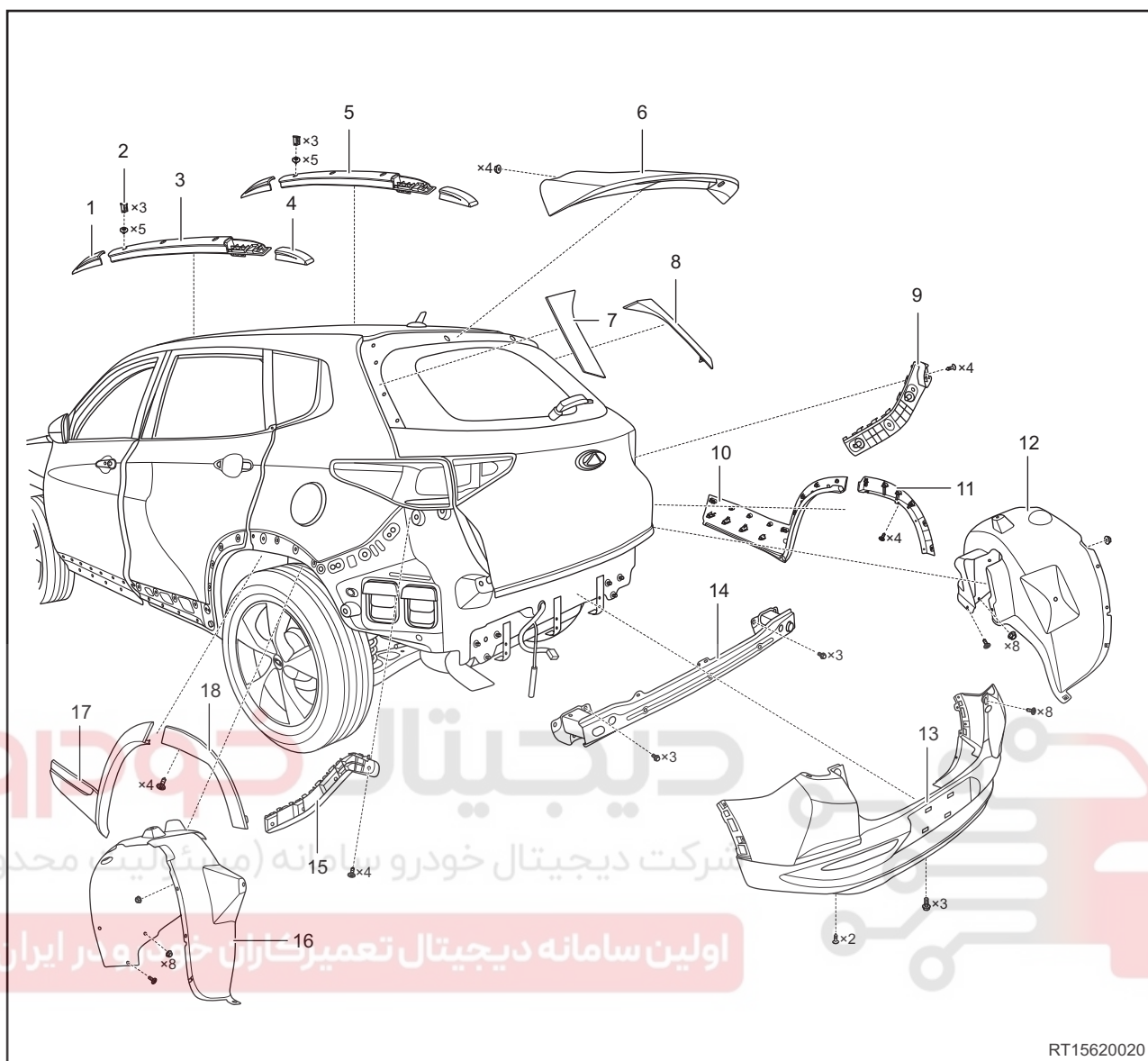
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RT15620010

1 - Front Windshield Lower Support Assembly	2 - Right Wing Trim Board Assembly
3 - Front Wheel House Right Protector Assembly	4 - Right Wing Assembly
5 - Front Right Wheel Arch Assembly	6 - Front Bumper Right Mounting Bracket
7 - Front Right Wing Spacer	8 - Front Right Door Trim Panel Assembly
9 - Front Bumper Upper Mounting Board	10 - Right Radiator Deflector
11 - Front Bumper Crossmember Assembly	12 - Front Bumper Assembly
13 - Name Plate "CAC"	14 - Front Bumper Grille Garnish
15 - Left Radiator Deflector	16 - Right Skirt Protector Assembly
17 - Tank Lower Protector Assembly	18 - Front Left Wing Spacer
19 - Right Fuel Tank Spoiler Assembly	20 - Left Fuel Tank Spoiler Assembly
21 - Front Left Wheel House Protector Assembly	22 - Front Left Wheel Arch Assembly
23 - Left Wing Assembly	24 - Left Skirt Protector Assembly
25 - Front Left Door Trim Panel Assembly	26 - Left Wing Trim Panel Assembly

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1 - Left Roof Rack Front End Cover	2 - Left Roof Rack Trim Cover
3 - Left Roof Rack	4 - Left Roof Rack Rear End Cover
5 - Right Roof Rack Assembly	6 - Rear Spoiler Assembly
7 - Left D-pillar Trim Board Assembly	8 - Right D-pillar Trim Board Assembly
9 - Rear Bumper Right Mounting Bracket	10 - Rear Right Door Outer Trim Board Assembly
11 - Rear Right Wheel Arch Assembly	12 - Rear Wheel House Right Protector Assembly
13 - Rear Bumper Assembly	14 - Rear Bumper Crossmember Assembly
15 - Rear Bumper Left Mounting Bracket Assembly	16 - Rear Wheel House Right Protector Assembly
17 - Rear Left Door Outer Trim Board Assembly	18 - Rear Left Wheel Arch Assembly

Bumper assembly and bumper crossmember assembly are safety devices to protect front and rear parts of body, which mainly absorb and reduce outside shock. Exterior mainly consists of front bumper assembly, front bumper mounting bracket, front bumper crossmember assembly, front wheel house wind deflector, front wheel house protector, front wheel arch, wing assembly, side skirt protector assembly, door trim board assembly, tank lower protector, D-pillar protector assembly, rear bumper assembly, rear bumper mounting bracket, rear bumper bracket, rear bumper crossmember assembly, rear wheel house protector, luggage compartment door spoiler, front windshield lower support assembly, fuel filler cap assembly, roof rack assembly, fuel tank spoiler, etc.

Specifications

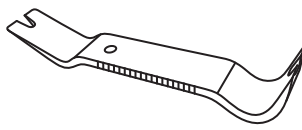
Torque Specifications

Description	Torque (N·m)
Front Bumper Assembly Fixing Screw	2.0 ± 0.5
Front Bumper Assembly Fixing Bolt	5 ± 1.0
Name Plate "CAC" Bracket Fixing Screw	1.5 ± 0.5
Front Bumper Mounting Bracket Fixing Bolt	6 ± 1.0
Front Bumper Crossmember Assembly Fixing Nut	25 ± 2.0
Front Wheel House Wind Deflector Fixing Bolt	5 ± 1.0
Front Wheel House Protector Fixing Screw	2.0 ± 0.5
Wing Cover Plate Fixing Screw	6 ± 1.0
Wing Assembly Fixing Bolt	6 ± 1.0
Tank Lower Protector Fixing Bolt	5 ± 1.0
Rear Bumper Assembly Fixing Screw	2.0 ± 0.5
Rear Bumper Assembly Fixing Bolt	5.0 ± 1.0
Fixing Screw Between Rear Bumper Assembly and Rear Wheel House Protector	2.0 ± 0.5
Rear Bumper Mounting Bracket Fixing Bolt	6 ± 1.0
Rear Bumper Crossmember Assembly Fixing Nut	25 ± 2.0
Rear Wheel House Protector Fixing Screw	2.0 ± 0.5
Front Windshield Lower Support Assembly Fixing Screw	2.0 ± 0.5

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Tool

General Tool

Interior Crow Plate	 RCH0000025
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ON-VEHICLE SERVICE

Front Bumper Assembly

Removal

CAUTION

- Be sure to wear necessary 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.

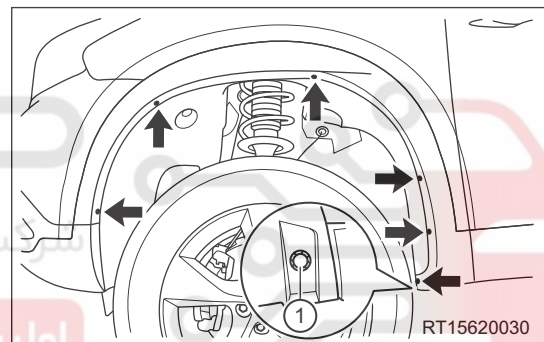
1. Turn off all electrical equipment and the engine switch.

2. Disconnect the negative battery cable.

3. Remove the front bumper assembly.

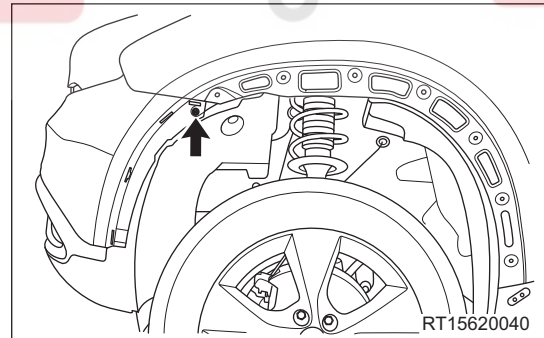
a. Remove 6 fixing screws (arrow) and clip from front wheel arch (take left side as an example).

(Tightening torque: $2.0 \pm 0.5 \text{ N}\cdot\text{m}$)



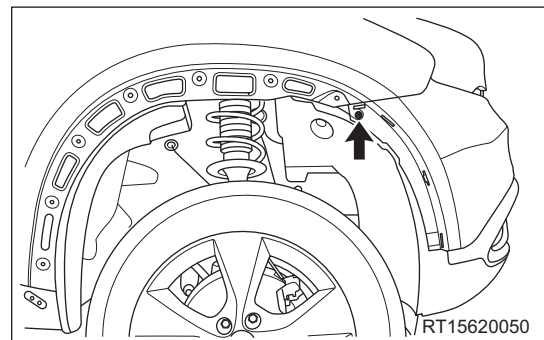
b. Remove fixing screw (arrow) from left side of front bumper.

(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



c. Remove fixing screw (arrow) from right side of front bumper.

(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)

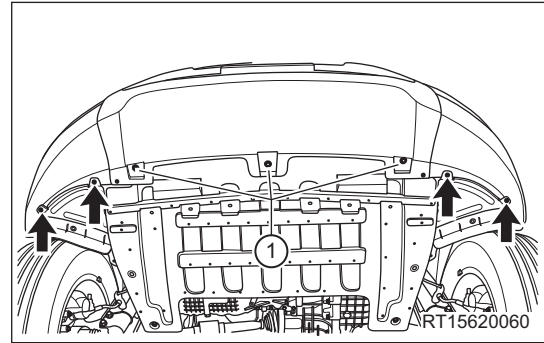


- d. Raise vehicle, remove 3 fixing bolts (1) between lower part of front bumper assembly and body metal plate bracket.

(Tightening torque: $5 \pm 1.0 \text{ N}\cdot\text{m}$)

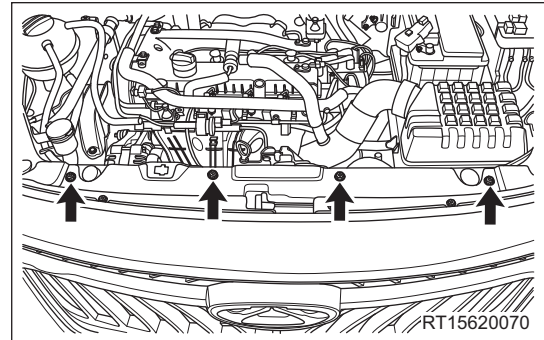
- e. Remove 4 fixing screws (arrow) from lower parts of front left and right wheel houses.

(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)

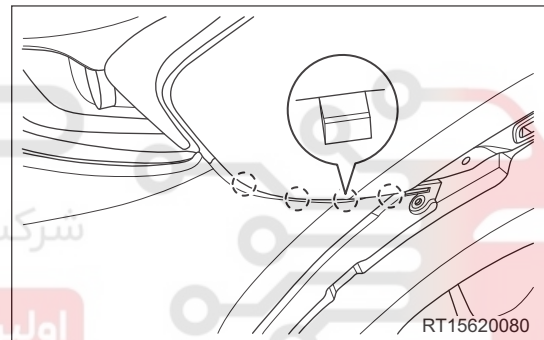


- f. Remove 4 fixing bolts (arrow) from upper part of front bumper.

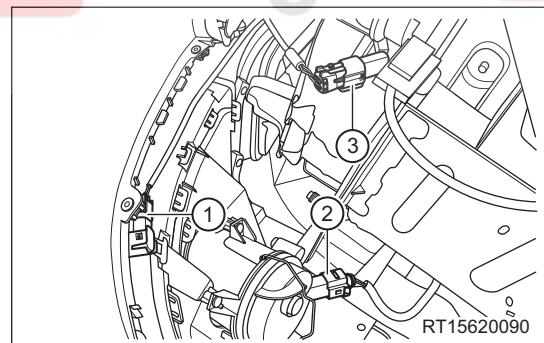
(Tightening torque: $5 \pm 1.0 \text{ N}\cdot\text{m}$)



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

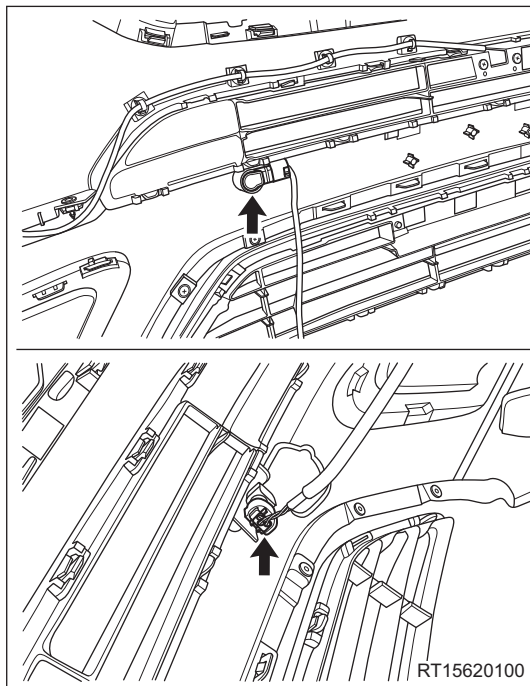


- h. Disconnect left radar wire harness connector (1), left fog light wire harness connector (2) and front camera wire harness connector (3).



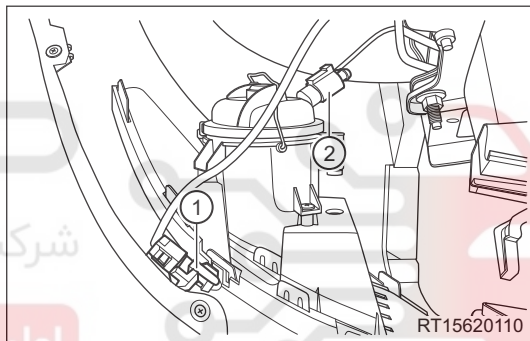
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- i. Disconnect 2 center radar wire harness connectors (arrow).

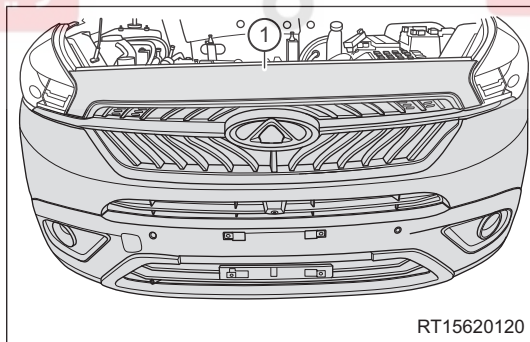


63

- j. Disconnect right radar wire harness connector (1) and right fog light wire harness connector (2).



- k. Remove the front bumper assembly (1).

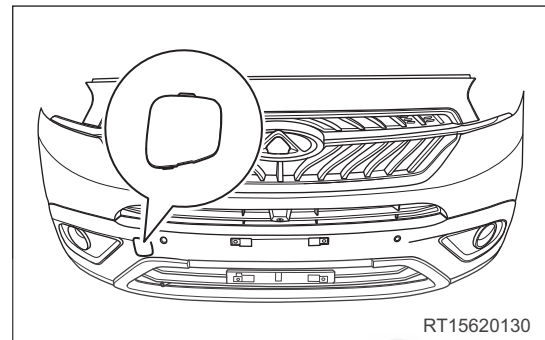


Disassembly

CAUTION

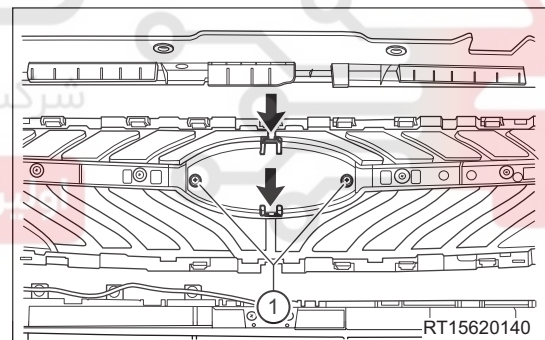
- Be sure to wear necessary safety equipment to prevent accidents, when disassembling front bumper assembly.
- Appropriate force should be applied, when disassembling the front bumper assembly. Be careful not to operate roughly.
- Avoid breaking claws, when disassembling front bumper assembly.

1. Remove the front bumper towing hook cover.
 - a. Using a screwdriver wrapped with protective tape, pry off front bumper towing hook cover.
 - b. Remove front bumper towing hook cover from front bumper assembly.

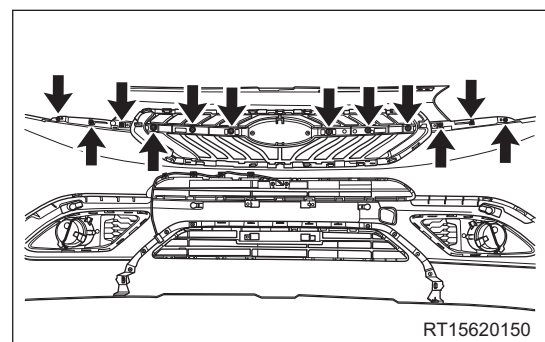


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2. Remove the name plate "CAC".
 - a. Remove 2 fixing screws from name plate "CAC".
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Using a screwdriver wrapped with protective tape, pry off dowel pins from name plate "CAC".



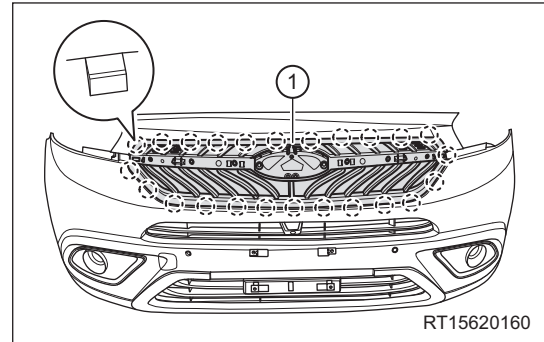
- c. Remove name plate "CAC" from front bumper assembly.
3. Remove the front bumper grille trim strip.
 - a. Remove 12 fixing screws (arrow) from front bumper left and right grille trim strips.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



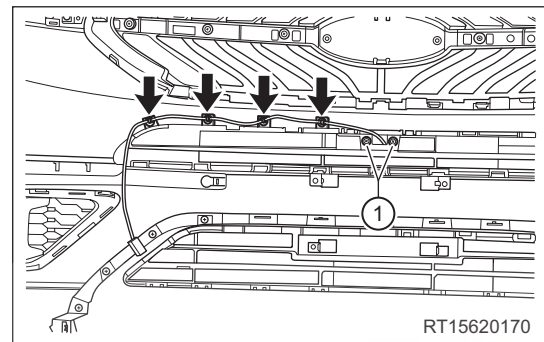
- b. Remove the front bumper grille trim strip.

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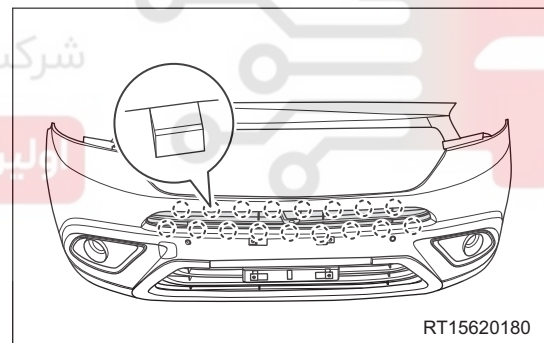
4. Remove the radiator grille assembly.
 - a. Using a screwdriver wrapped with protective tape, pry off fixing clips from radiator grille assembly.
 - b. Remove the radiator grille assembly (1).



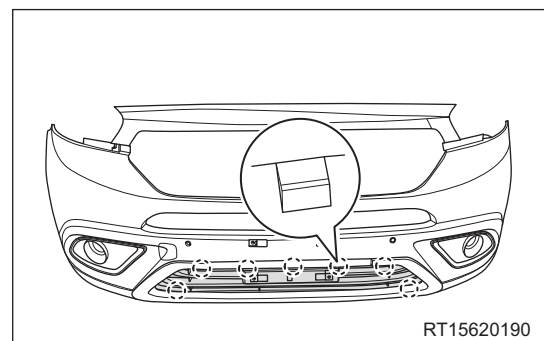
5. Remove the front camera wire harness.
 - a. Using a screwdriver wrapped with protective tape, pry off fixing clips from front camera wire harness assembly.
 - b. Remove 2 fixing screws (1) from front camera. (Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



- c. Remove the front camera wire harness.
6. Remove the front bumper center grille.
 - a. Using a screwdriver wrapped with protective tape, pry off claws from front bumper center grille.

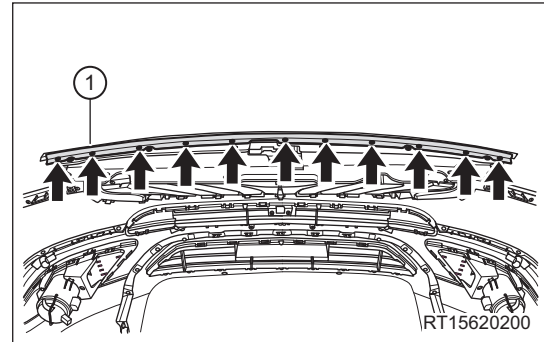


- b. Remove front bumper center grille from front bumper assembly.
7. Remove the front bumper lower grille.
 - a. Using a screwdriver wrapped with protective tape, pry off claws from front bumper lower grille.

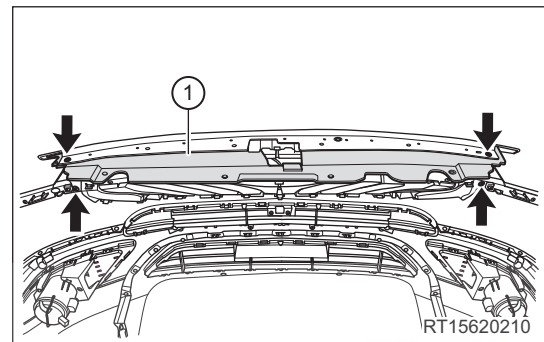


- b. Remove front bumper lower grille from front bumper assembly.

8. Remove the front bumper upper weatherstrip.
 - a. Using a screwdriver wrapped with protective tape, pry off clips (arrow) from front bumper upper weatherstrip.
 - b. Remove the front bumper upper weatherstrip (1).

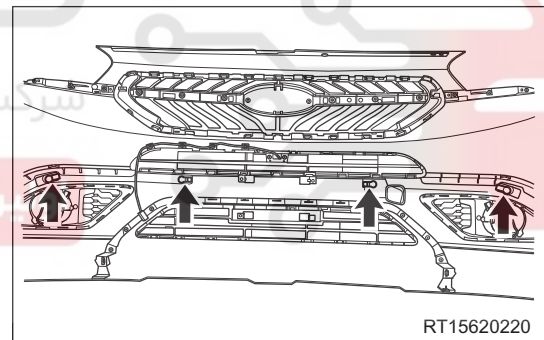


9. Remove the front bumper upper mounting board.
 - a. Remove 4 fixing screws (arrow) from front bumper upper mounting board.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the front bumper upper mounting board (1).

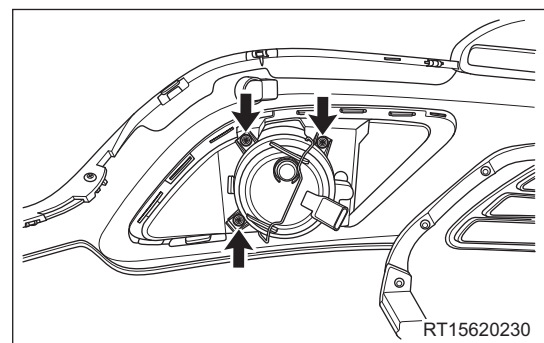


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10. Remove the front radar sensors.
 - a. Using an interior crow plate, pry off fixing glue from radar sensors.
 - b. Remove 4 front radar sensors (arrow).



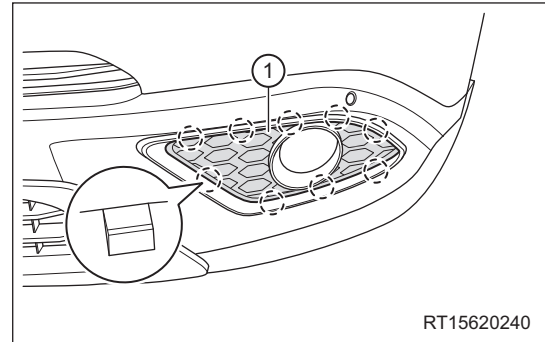
11. Remove the front fog light assembly (use same removal and installation procedures for left and right fog lights, take left side as an example).
 - a. Remove 3 fixing screws (arrow) from fog light.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the front fog light assembly.



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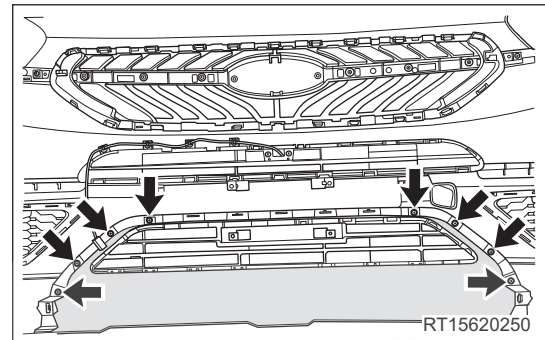
12. Remove the front fog light trim cover.

- a. Using an interior crow plate, pry off claws from fog light trim cover.
- b. Remove the front fog light trim cover (1).



13. Remove the front bumper lower trim board.

- a. Remove 8 fixing screws (arrow) from front bumper lower trim board.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
- b. Remove the front bumper lower trim board.



Assembly

Assembly is in the reverse order of disassembly.

CAUTION

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

Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear necessary 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 Mounting Bracket

Removal

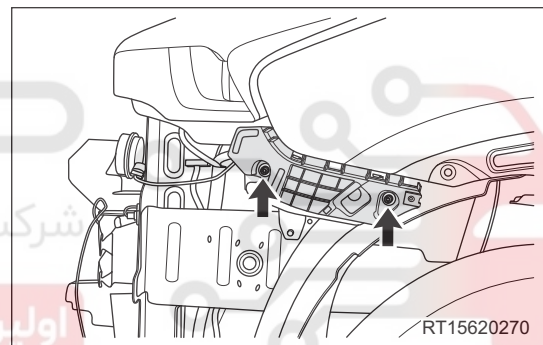
HINT:

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

CAUTION

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

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 63-6).
4. Remove the front bumper left mounting bracket.
 - a. Remove 2 fixing bolts (arrow) from front bumper left mounting bracket, and remove front bumper left mounting bracket.
(Tightening torque: $6 \pm 1.0 \text{ N}\cdot\text{m}$)



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Installation

Installation is in the reverse order of removal.

CAUTION

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

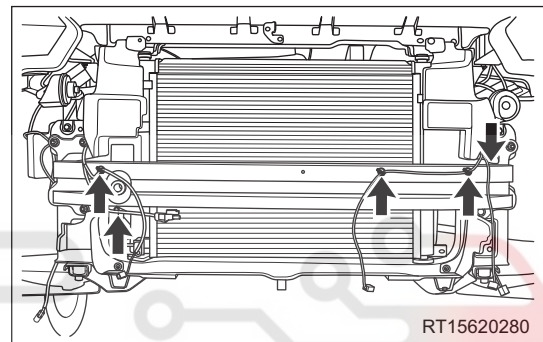
Front Bumper Crossmember Assembly

Removal

CAUTION

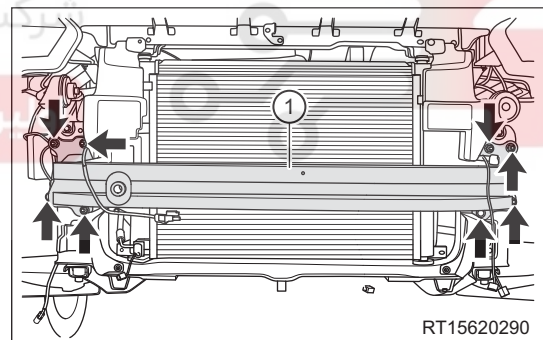
- Be sure to wear necessary safety equipment to prevent accidents, when removing front bumper crossmember assembly.
- Try to prevent body paint surface from being scratched, when removing front bumper crossmember assembly.

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper crossmember assembly.
 - a. Remove fixing clips (arrow) from front bumper crossmember wire harness.



- b. Remove 8 fixing nuts (arrow) from front bumper crossmember assembly, and remove front bumper crossmember assembly (1).

(Tightening torque: $50 \pm 5.0 \text{ N}\cdot\text{m}$)



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear necessary 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.
- There should be no looseness, shaking and deformation, after installing front bumper crossmember assembly.

Radiator Deflector

Removal

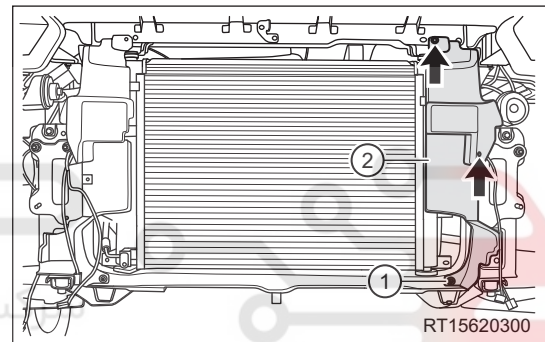
HINT:

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

CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing radiator deflector.
- Try to prevent body paint surface from being scratched, when removing radiator deflector.

1. Remove the front bumper (See page 63-6).
2. Remove the front crossmember assembly (See page 63-14).
3. Remove the left radiator deflector.
 - a. Remove 2 fixing bolts (arrow) and plastic clip (1) from left radiator deflector, and remove front left radiator deflector (2).
(Tightening torque: 5 ± 1 N·m)



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Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents, when installing radiator deflector.
- Try to prevent body paint surface from being scratched, when installing radiator deflector.
- Make sure that damaged plastic clip is replaced and radiator deflector is installed in place, when installing radiator deflector.

Front Wheel House Protector

Removal

HINT:

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

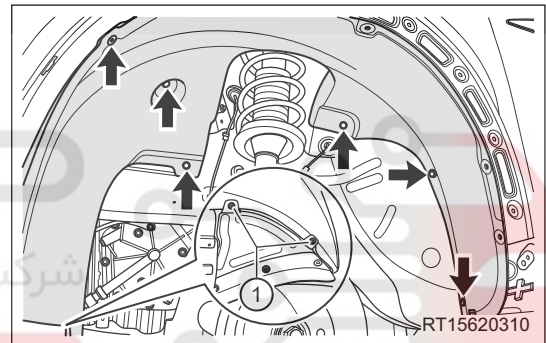
CAUTION

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

1. Remove the front wheel arch (See page 63-6).
2. Remove the front wheel house wind deflector (See page 63-6).
3. Remove the front left wheel house protector.

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- a. Remove 6 plastic clips (arrow) from front wheel house protector.



- b. Remove 2 fixing screws (arrow) from lower part of front wheel house protector.
(Tightening torque: $2.0 \pm 0.5 \text{ N}\cdot\text{m}$)

- c. Remove the front wheel house protector.

Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear necessary 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.

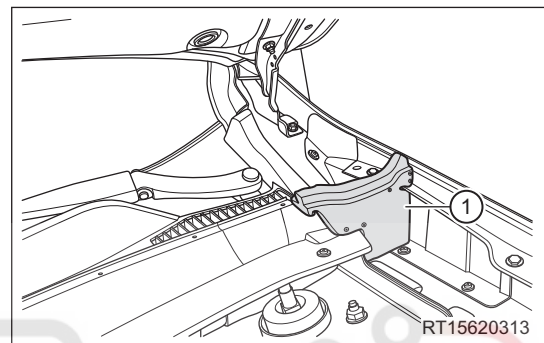
Front Windshield Lower Support Assembly

Removal

CAUTION

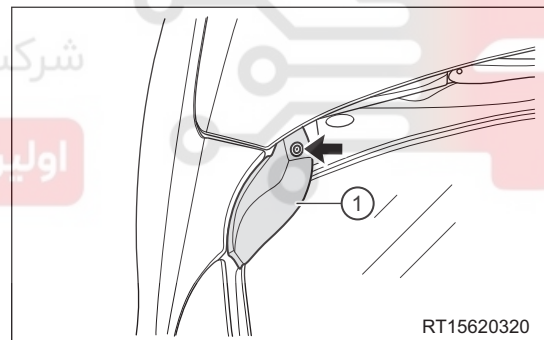
- Be sure to wear safety equipment to prevent accidents, when removing front windshield lower support assembly.
- Try to prevent body paint surface from being scratched, when removing front windshield lower support assembly.

1. Remove the front wiper arm assembly (See page 50-19).
2. Remove the front windshield lower support left buffer block (1) (take left side as an example).

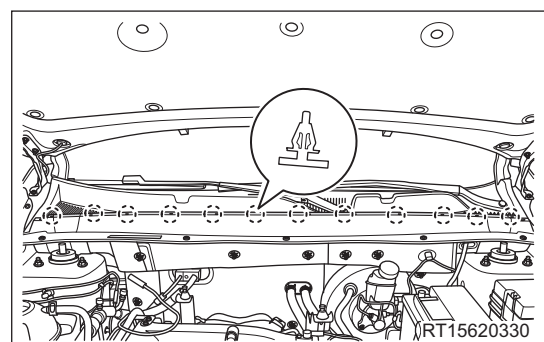


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3. Remove the front windshield lower support left sealing plate (take left side as an example).
 - a. Using a screwdriver wrapped with protective tape, pry off plastic clip (arrow) from front windshield lower support left sealing plate, and remove front windshield lower support left sealing plate (1).

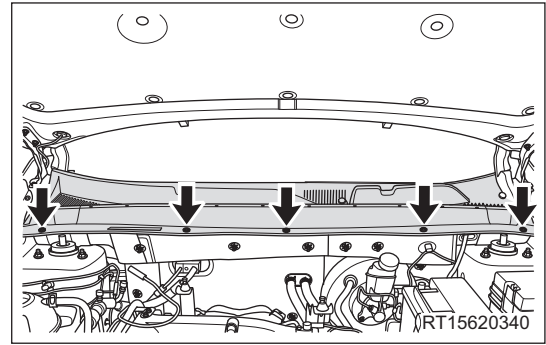


4. Remove the front windshield lower support weatherstrip.
 - a. Remove clips from front windshield lower support weatherstrip, and remove front windshield lower support weatherstrip.

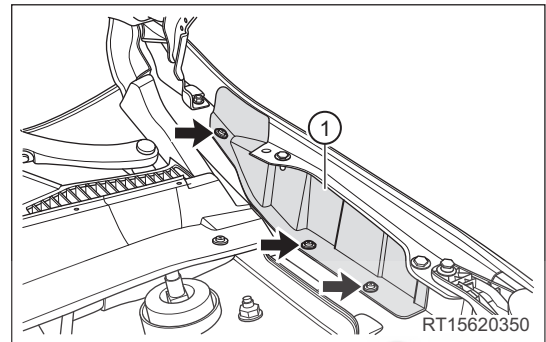


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5. Remove the front windshield lower support assembly.
 - a. Remove 5 fixing screws (arrow) from front windshield lower support assembly, and remove front windshield lower support assembly.
(Tightening torque: $2.0 \pm 0.5 \text{ N}\cdot\text{m}$)



6. Remove the wing trim panel assembly (take left side as an example).
 - a. Remove 3 fixing screws (arrow) from front windshield lower support assembly.
(Tightening torque: $6 \pm 1.0 \text{ N}\cdot\text{m}$)
 - b. Remove the wing trim panel assembly (1).

**Installation**

Installation is in the reverse order of removal.

CAUTION

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

Wing Assembly

Removal

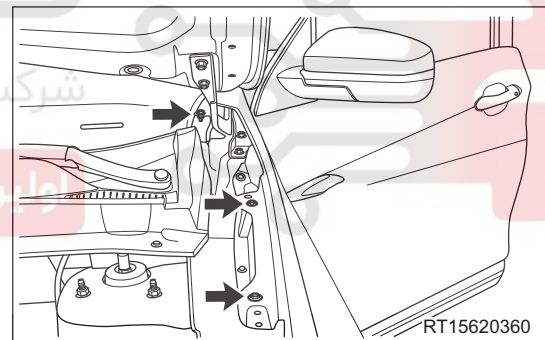
HINT:

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

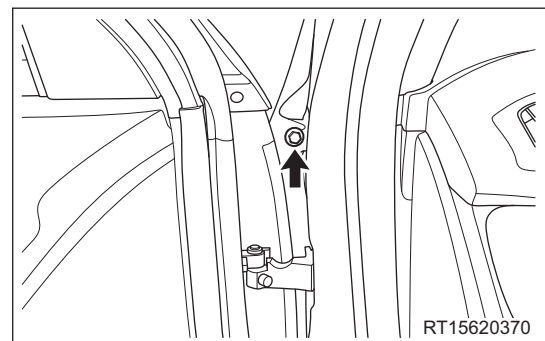
CAUTION

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

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the front left wheel arch (See page 63-6).
4. Remove the left headlight assembly (See page 49-85).
5. Remove the front wheel house protector (See page 63-16).
6. Remove the front bumper assembly (See page 63-6).
7. Remove the front bumper left mounting bracket (See page 63-13).
8. Remove the left wing assembly.
 - a. Remove 3 fixing bolts (arrow) between upper part of wing assembly and body.
(Tightening torque: $6 \pm 1.0 \text{ N}\cdot\text{m}$)

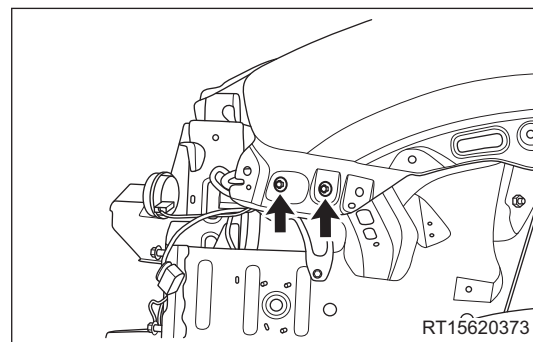


- b. Remove fixing bolt (arrow) between upper part of wing assembly and A-pillar.
(Tightening torque: $6 \pm 1.0 \text{ N}\cdot\text{m}$)

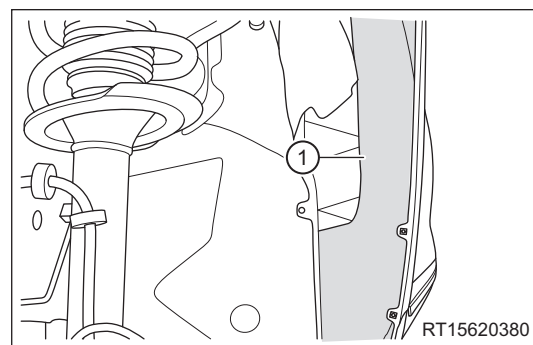


63 - EXTERIOR

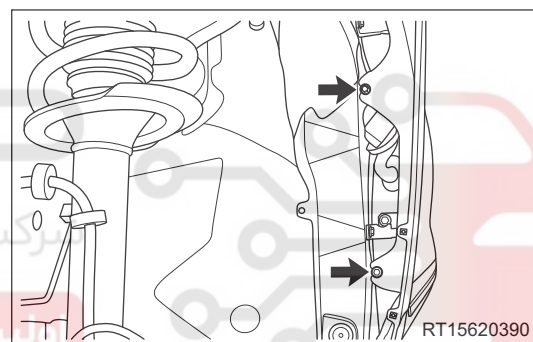
- c. Remove fixing bolts (arrow) between upper part of wing assembly and body.



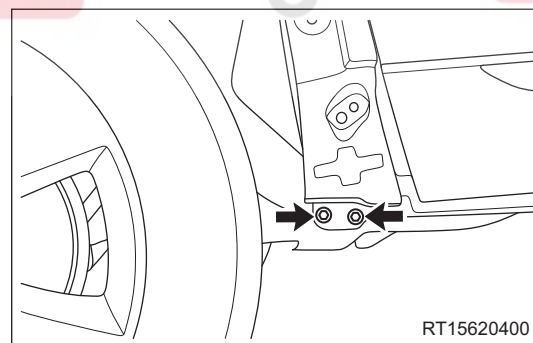
- d. Remove the wing spacer (1).



- e. Remove 2 fixing bolts (arrow) between inner part of wing assembly and body.
(Tightening torque: $6 \pm 1.0 \text{ N}\cdot\text{m}$)



- f. Remove 2 fixing bolts (arrow) between lower part of wing assembly and body.
(Tightening torque: $6 \pm 1.0 \text{ N}\cdot\text{m}$)



- g. Remove the wing assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

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

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



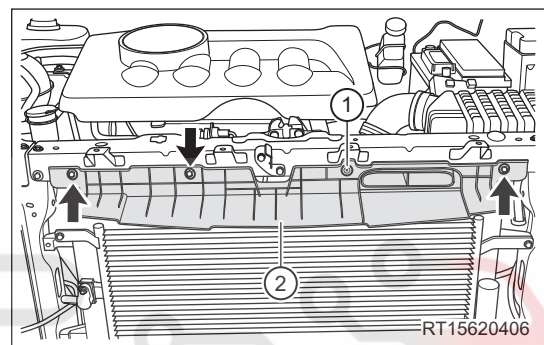
Upper Deflector Assembly

Removal

CAUTION

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

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 63-6).
4. Remove the upper deflector assembly.
 - a. Remove 3 fixing bolts (arrow) between upper part of upper deflector assembly and body.
(Tightening torque: $5 \pm 1.0 \text{ N}\cdot\text{m}$)
 - b. Remove clip (1) between upper part of upper deflector assembly and body.
 - c. Remove the upper deflector assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

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

Roof Rack Assembly

Removal

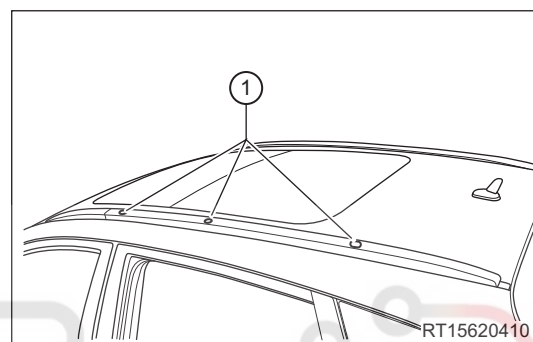
HINT:

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

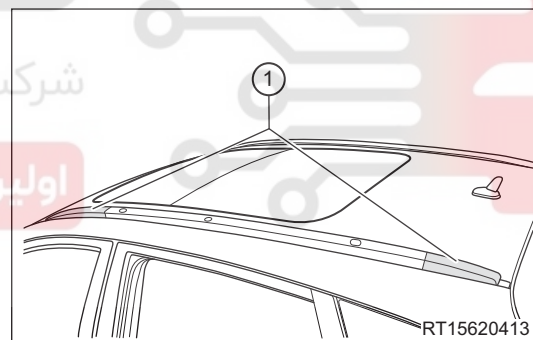
CAUTION

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

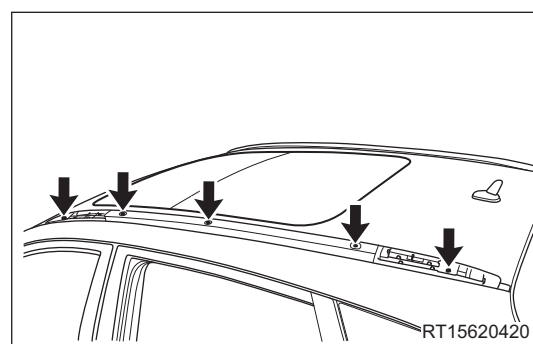
1. Using an interior crow plate, pry off trim covers (1) from roof rack.



2. Using an interior crow plate, pry off front and rear end covers (1) from roof rack.



3. Remove 5 fixing bolts (arrow) from roof rack.
(Tightening torque: $9 \pm 1.0 \text{ N}\cdot\text{m}$)



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.

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



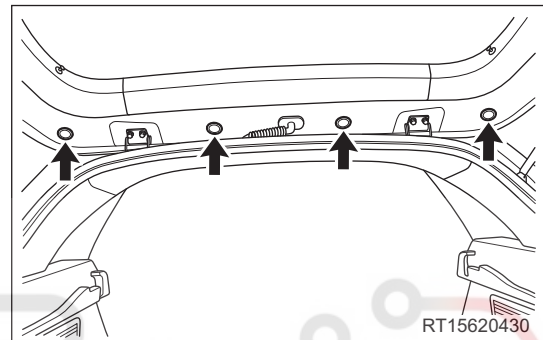
Rear Spoiler Assembly

Removal

CAUTION

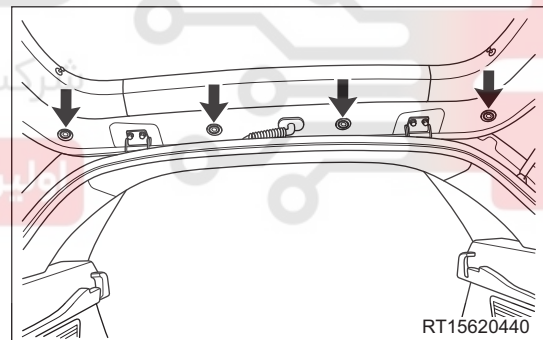
- Be sure to wear safety equipment to prevent accidents, when removing rear spoiler assembly.
- Try to prevent body paint surface from being scratched, when removing rear spoiler assembly.

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the luggage compartment door upper protector assembly (See page 62-43).
4. Using an interior crow plate, pry off trim covers (arrow) from rear spoiler.

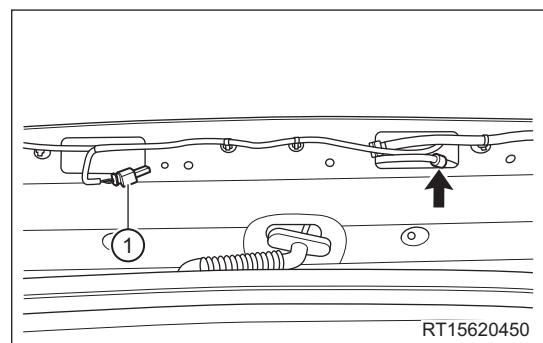


63

5. Remove 4 fixing bolts (arrow) from rear spoiler assembly.
(Tightening torque: $5 \pm 1 \text{ N}\cdot\text{m}$)

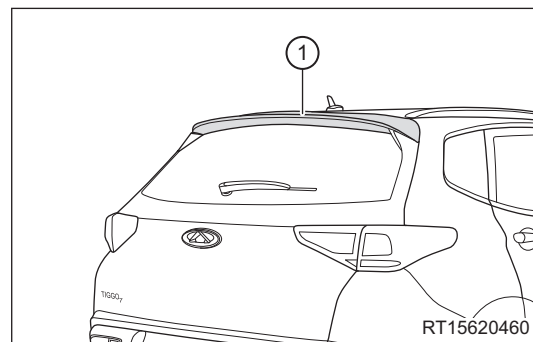


6. Disconnect wire harness connector (1) and rear wiper nozzle line joint (arrow) from high mounted stop light.



63 - EXTERIOR

7. Remove the rear spoiler assembly (1).

**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.

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



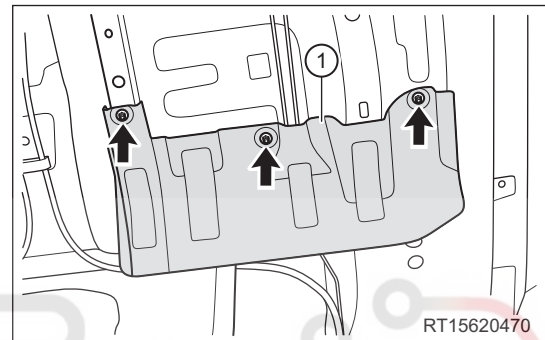
Fuel Tank Spoiler

Removal

CAUTION

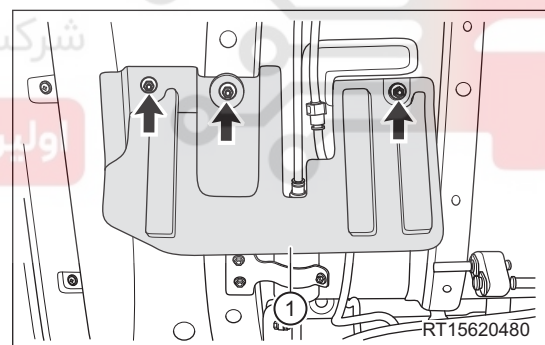
- Be sure to wear safety equipment to prevent accidents, when removing fuel tank spoiler assembly.
- Try to prevent fuel line and fuel tank from being scratched, when removing fuel tank spoiler assembly.

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the left fuel tank spoiler assembly.
 - a. Remove fixing nuts (arrow) from left fuel tank spoiler assembly.
(Tightening torque: $3.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the left fuel tank spoiler assembly (1).



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4. Remove the right fuel tank spoiler assembly.
 - a. Remove fixing nuts (arrow) from right fuel tank spoiler assembly.
(Tightening torque: $3.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the right fuel tank spoiler assembly (1).



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents, when installing fuel tank spoiler assembly.
- Try to prevent fuel line and fuel tank from being scratched, when installing fuel tank spoiler assembly.

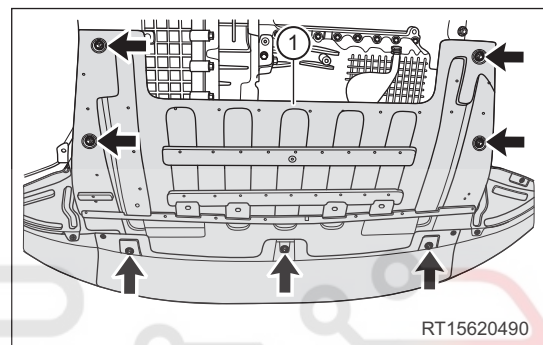
Tank Lower Protector

Removal

CAUTION

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

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the tank lower protector assembly.
 - a. Remove 7 fixing bolts (arrow) from tank lower protector assembly.
(Tightening torque: $5 \pm 1.0 \text{ N}\cdot\text{m}$)
 - b. Remove the tank lower protector assembly (1).



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Installation

Installation is in the reverse order of removal.

CAUTION

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

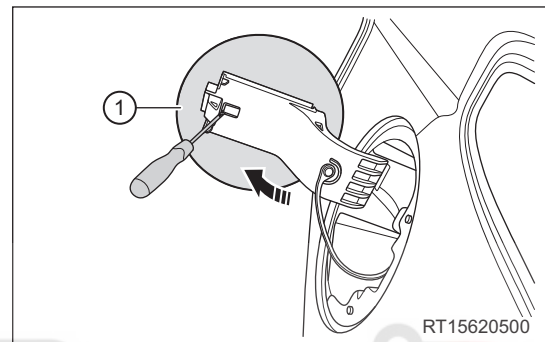
Fuel Filler Cap Assembly

Removal

CAUTION

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

1. Open the fuel filler cap assembly.
2. Remove the fuel filler cap assembly.
 - a. Using a flat tip screwdriver wrapped with protective tape, pry off fixing clip from fuel filler cap outer panel.
 - b. Remove fuel filler cap outer panel (1) in direction of arrow as shown in illustration.



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Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents, when installing fuel filler cap assembly.
- Try to prevent body paint surface from being scratched, when installing fuel filler cap assembly.

Rear Bumper Assembly

Removal

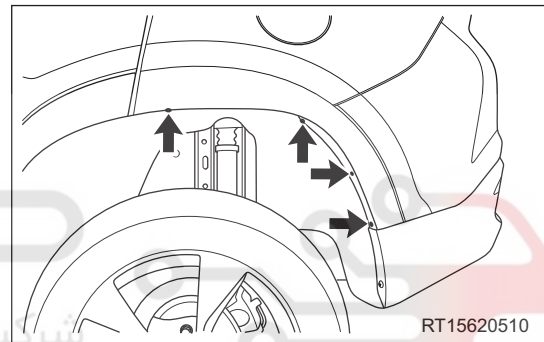
CAUTION

- Be sure to wear necessary 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 electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the rear wheel arch assembly (take left side as an example).

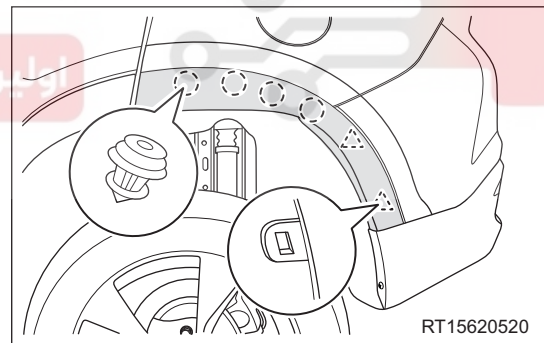
- a. Remove 4 fixing screws (arrow) from rear left wheel arch.

(Tightening torque: $2.0 \pm 0.5 \text{ N}\cdot\text{m}$)



- b. Using an interior crow plate, pry off fixing clips from rear left wheel arch.

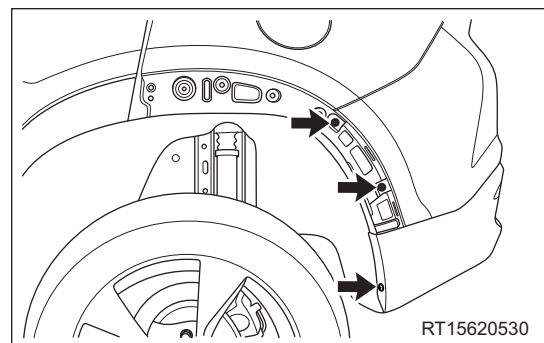
- c. Remove the rear left wheel arch assembly.



4. Remove the rear bumper assembly.

- a. Remove 3 fixing screws (arrow) from left side of rear bumper (take left side as an example).

(Tightening torque: $2.0 \pm 0.5 \text{ N}\cdot\text{m}$)

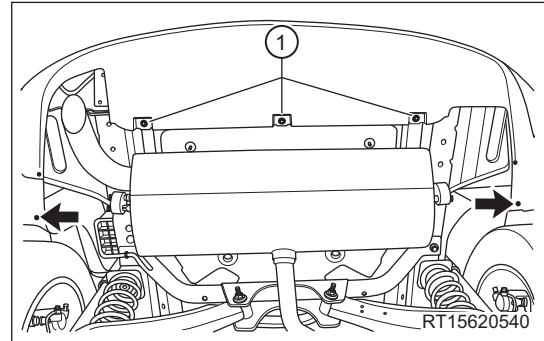


- b. Remove 2 fixing screws (arrow) from lower part of rear bumper assembly.

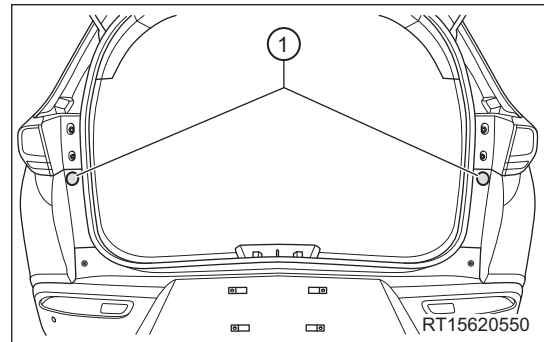
(Tightening torque: $2.0 \pm 0.5 \text{ N}\cdot\text{m}$)

- c. Remove 3 fixing screws (1) between rear bumper assembly and body.

(Tightening torque: $5.0 \pm 1.0 \text{ N}\cdot\text{m}$)

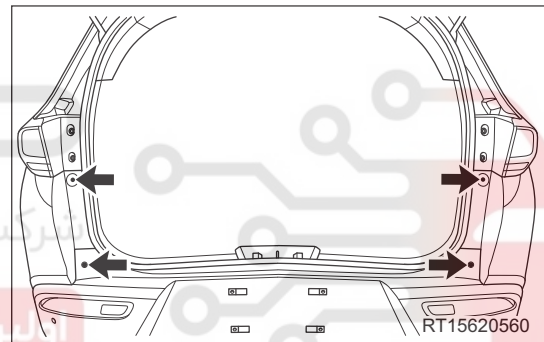


- d. Using a screwdriver wrapped with protective tape, pry off trim covers (1) from rear bumper fixing screw.

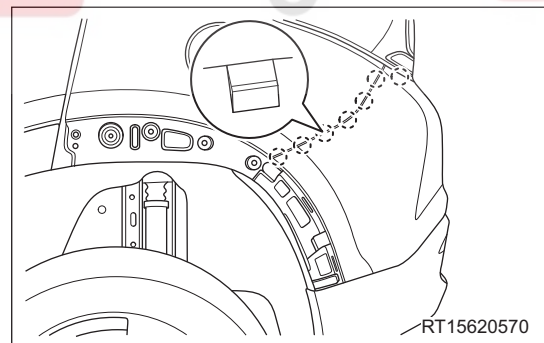


- e. Remove 4 fixing screws (arrow) from upper part of rear bumper assembly.

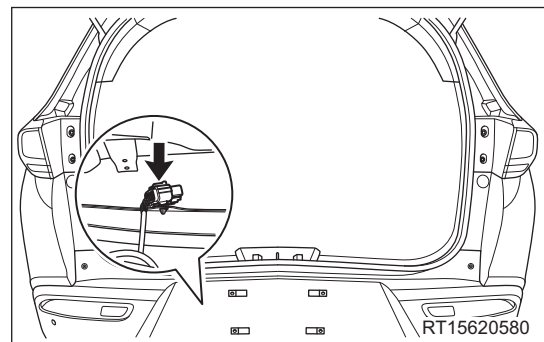
(Tightening torque: $2.0 \pm 0.5 \text{ N}\cdot\text{m}$)



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



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

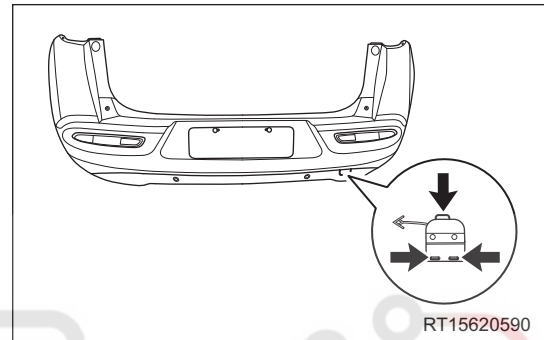


Disassembly

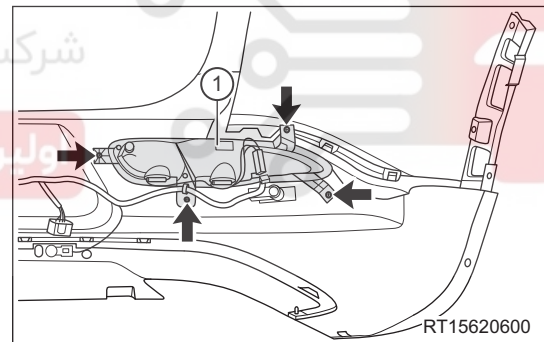
 CAUTION

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

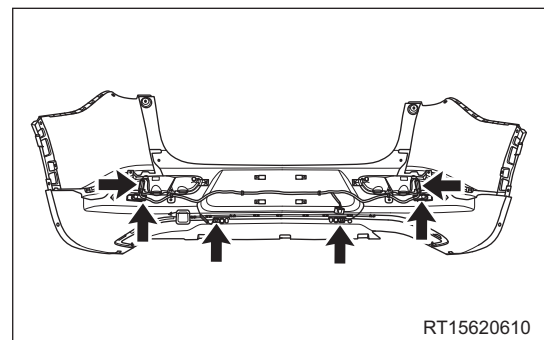
1. Remove the reversing radar sensor (See page 54-54).
2. Remove the rear bumper towing hook cover.
 - a. Using a screwdriver wrapped with protective tape, pry off claws (arrow) from rear bumper towing hook cover.
 - b. Remove rear bumper towing hook cover from rear bumper assembly.



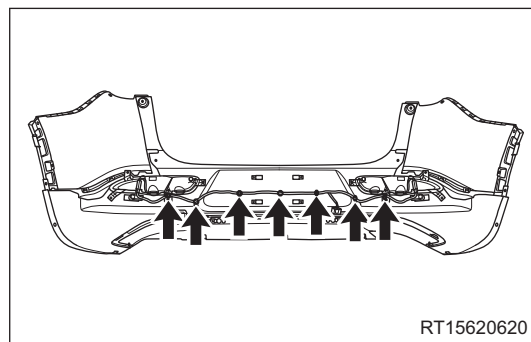
3. Remove the rear fog light (take left side as an example).
 - a. Remove 4 fixing screws (arrow) from rear fog light. (Tightening torque: $2.0 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove rear left fog light (1) from rear bumper assembly.



4. Remove the rear bumper wire harness assembly.
 - a. Disconnect wire harness connectors (arrow) from left and right fog lights and radar sensors.



- b. Remove fixing clips (arrow) from rear bumper wire harness assembly.



- c. Remove rear bumper wire harness assembly from rear bumper assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

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

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CAUTION

- Be sure to wear necessary 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 that rear bumper is installed correctly and fitting clearance between rear bumper and body is appropriate, when installing rear bumper assembly.

Side Skirt Protector Assembly

Removal

HINT:

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

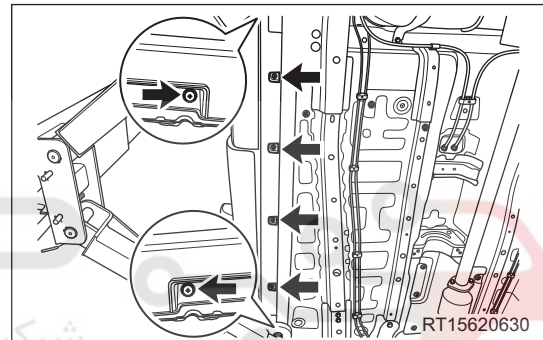
CAUTION

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

1. Remove the rear left wheel house protector (See page 63-38).
2. Remove the left side skirt protector assembly.

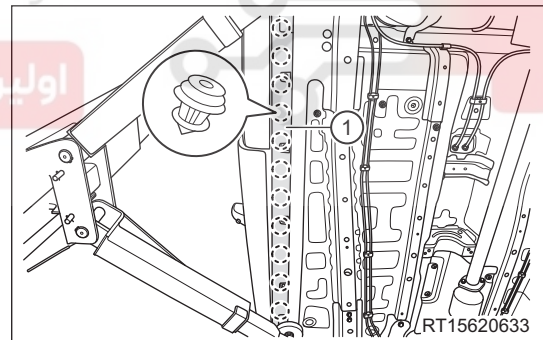
- a. Remove 6 fixing screws (arrow) from left side skirt protector assembly.

(Tightening torque: $2.0 \pm 0.5 \text{ N}\cdot\text{m}$)



- b. Using an interior crow plate, pry off fixing clips from side skirt protector assembly.

- c. Remove the side skirt protector assembly (1).



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear necessary safety equipment to prevent accidents, when installing side skirt protector assembly.
- Try to prevent body paint surface from being scratched, when installing side skirt protector assembly.

Front Door Trim Panel Assembly

Removal

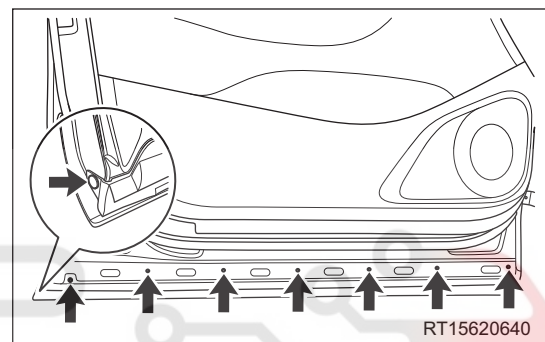
HINT:

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

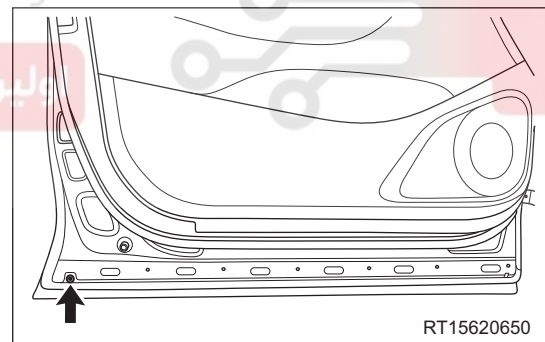
CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing front door trim panel assembly.
- Try to prevent body paint surface from being scratched, when removing front door trim panel assembly.

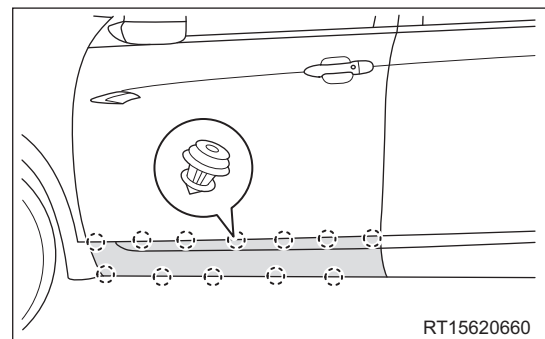
1. Remove the front door trim panel assembly.
 - a. Using an interior crow plate, pry off fixing clips (arrow) from front door lower weatherstrip.



- b. Remove the front door lower weatherstrip.
- c. Remove fixing screw (arrow) from front door trim panel assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



- d. Using an interior crow plate, pry off fixing clips from front door trim panel assembly.
- e. Remove the front door trim panel assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

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

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Rear Door Trim Panel Assembly

Removal

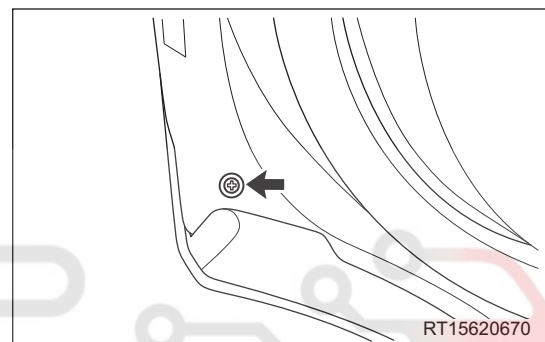
HINT:

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

CAUTION

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

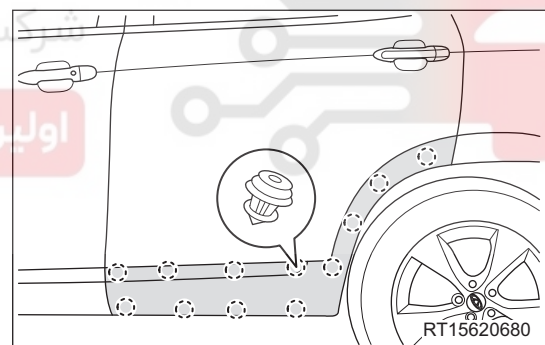
1. Remove the rear door trim panel assembly.
 - a. Remove fixing screw (arrow) from rear door trim panel assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



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- b. Using an interior crow plate, pry off fixing clips from rear door trim panel assembly.

- c. Remove the rear door trim panel assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

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

Rear Wheel House Protector

Removal

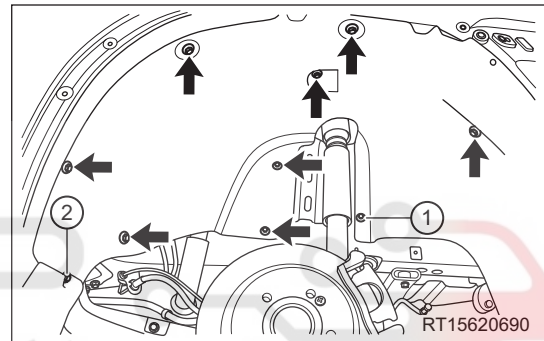
HINT:

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

CAUTION

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

1. Remove the rear wheel house protector assembly.
 - a. Remove 8 plastic nuts (arrow) from rear wheel house protector assembly.
(Tightening torque: 2.0 N·m)
 - b. Remove bolt (1) from rear wheel house protector assembly.
(Tightening torque: 5.0 ± 0.5 N·m)
 - c. Remove screw (2) from rear wheel house protector assembly.
(Tightening torque: 2.0 ± 0.5 N·m)
 - d. Remove the rear wheel house protector assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear necessary safety equipment to prevent accidents, when installing rear left wheel house protector.
- Try to prevent body paint surface from being scratched, when installing rear left wheel house protector.

D-pillar Trim Board Assembly

Removal

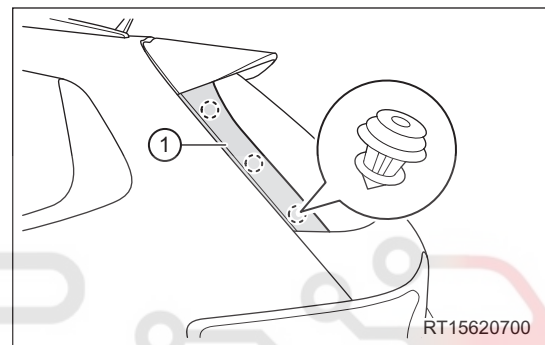
HINT:

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

CAUTION

- Be sure to wear safety equipment to prevent accidents, when removing D-pillar trim board assembly.
- Try to prevent body paint surface from being scratched, when removing D-pillar trim board assembly.

1. Remove the D-pillar trim board assembly.
 - a. Using an interior crow plate, pry off fixing clips from D-pillar trim board assembly.
 - b. Remove the D-pillar trim board assembly (1).



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Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear safety equipment to prevent accidents, when installing D-pillar trim board assembly.
- Try to prevent body paint surface from being scratched, when installing D-pillar trim board assembly.

Rear Bumper Mounting Bracket

Removal

HINT:

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

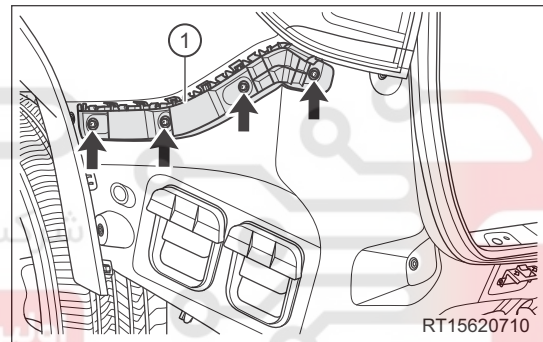
CAUTION

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

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the rear bumper assembly (See page 63-30).
4. Remove the rear bumper left mounting bracket.

- a. Remove 4 fixing bolts (arrow) from rear bumper mounting bracket, and remove rear bumper left mounting bracket (1).

(Tightening torque: $6 \pm 1.0 \text{ N}\cdot\text{m}$)



Installation

Installation is in the reverse order of removal.

CAUTION

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

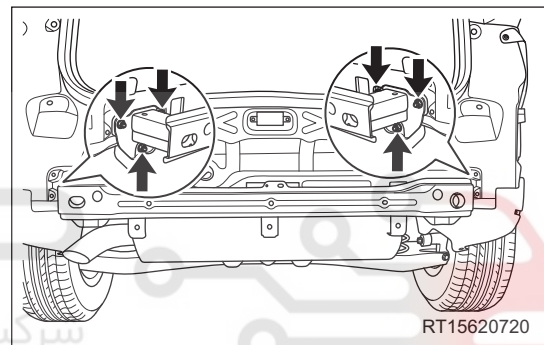
Rear Bumper Crossmember Assembly

Removal

CAUTION

- Be sure to wear necessary 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 electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the rear bumper assembly (See page 63-30).
4. Remove the rear bumper crossmember assembly.
 - a. Remove 6 fixing nuts (arrow) from rear bumper crossmember assembly, and remove rear bumper crossmember assembly.
(Tightening torque: $25 \pm 2.0 \text{ N}\cdot\text{m}$)



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Installation

Installation is in the reverse order of removal.

CAUTION

- Be sure to wear necessary 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.
- There should be no looseness, shaking and deformation, after installing rear bumper crossmember assembly.

Name Plate

Removal

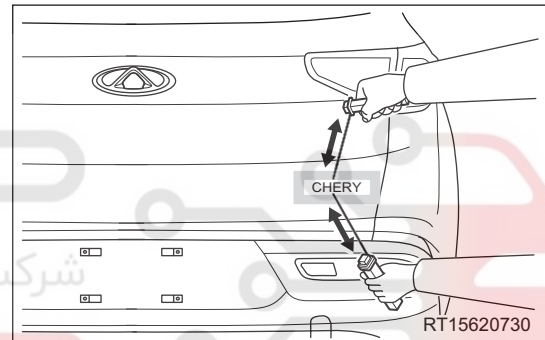
HINT:

- Use same procedures for front name plate "CAC", rear name plate "CAC", name plate "Tiggo7" 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.
- Try to prevent body paint surface from being scratched, when removing name plate "CHERY".

1. Remove the name plate "CHERY".
 - a. Attach protective tape around name plate "CHERY".
 - b. Insert a piano wire between body and name plate "CHERY".
 - c. Tie both ends of piano wire with objects (such as wooden blocks) that can serve as handles.



- d. Pull piano wire to remove double-sided tape that sticks name plate on body.
- e. Remove the name plate "CHERY".

Installation

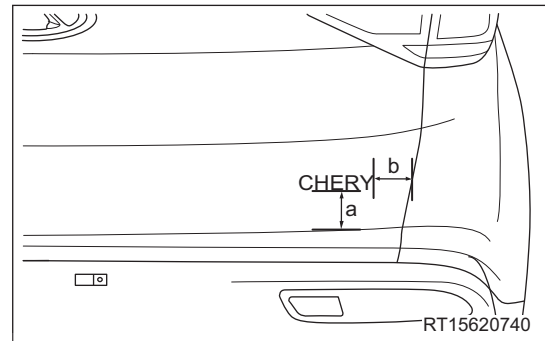
1. Clean the body surface.
 - a. Using a heat light, heat body surface, and remove double-sided tape from body.
 - b. Wipe off all remaining tape adhesive with cleaner.
2. Clean name plate "CHERY" (if name plate "CHERY" is to be reused).
 - a. Using a heat light, heat name plate and remove double-sided tape from name plate "CHERY".
 - b. Wipe off all remaining tape adhesive with cleaner.
 - c. Apply new double-sided tape to name plate "CHERY".
3. Install the 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 body and name plate.
- DO NOT remove release paper from name plate in advance.
- DO NOT touch name plate adhesive surface with hands.
- After removing release paper, prevent foreign matter from attaching to exposed 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 right side of name plate "CHERY" and right side of luggage compartment door is 110 ± 3 mm.
- Vertical distance b between lower side of name plate "CHERY" and lower side of luggage compartment door is 20 ± 3 mm.



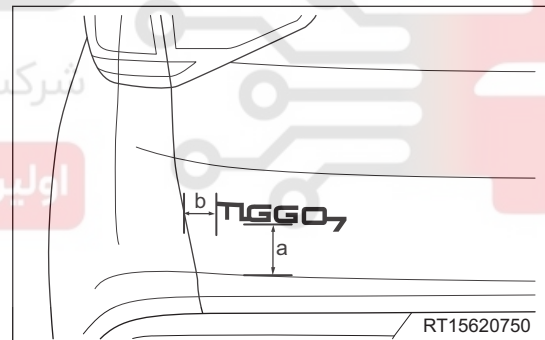
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5. Installation distance ranges for rear name plate "CAC" are as follows:

- Clamp rear name plate "CAC" base pin into metal plate hole.

6. Installation distance ranges for name plate "Tiggo7" are as follows:

- When attaching name plate "Tiggo7", keep it horizontal and centered.
- Vertical distance a between lower side of name plate "Tiggo7" and lower side of luggage compartment door is 110 ± 3 mm.
- Vertical distance b between left side of name plate "Tiggo7" and left side of luggage compartment door is 24 ± 3 mm.



دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

