

EXTERIOR AND WING

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دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

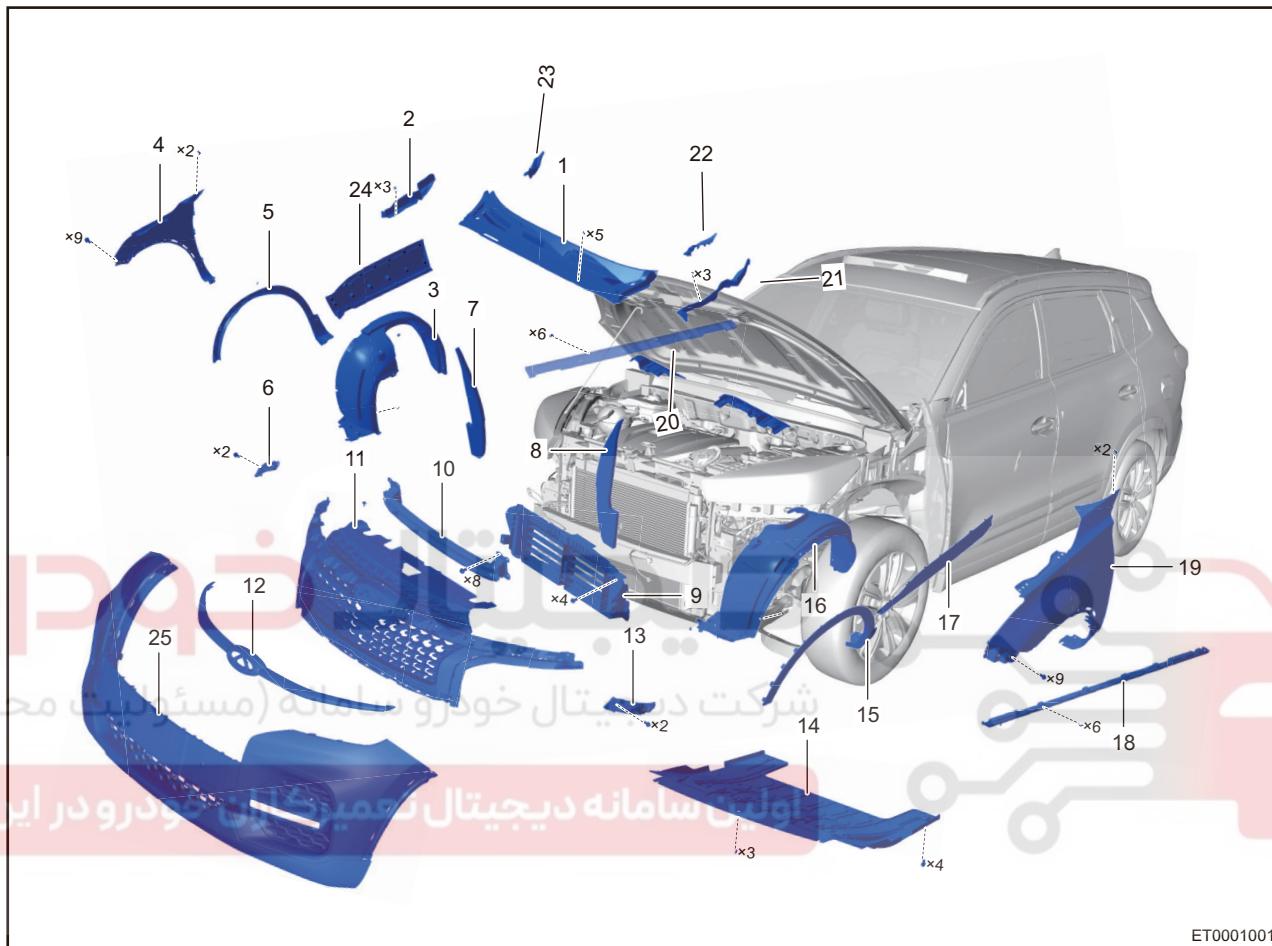


GENERAL INFORMATION

General

Description

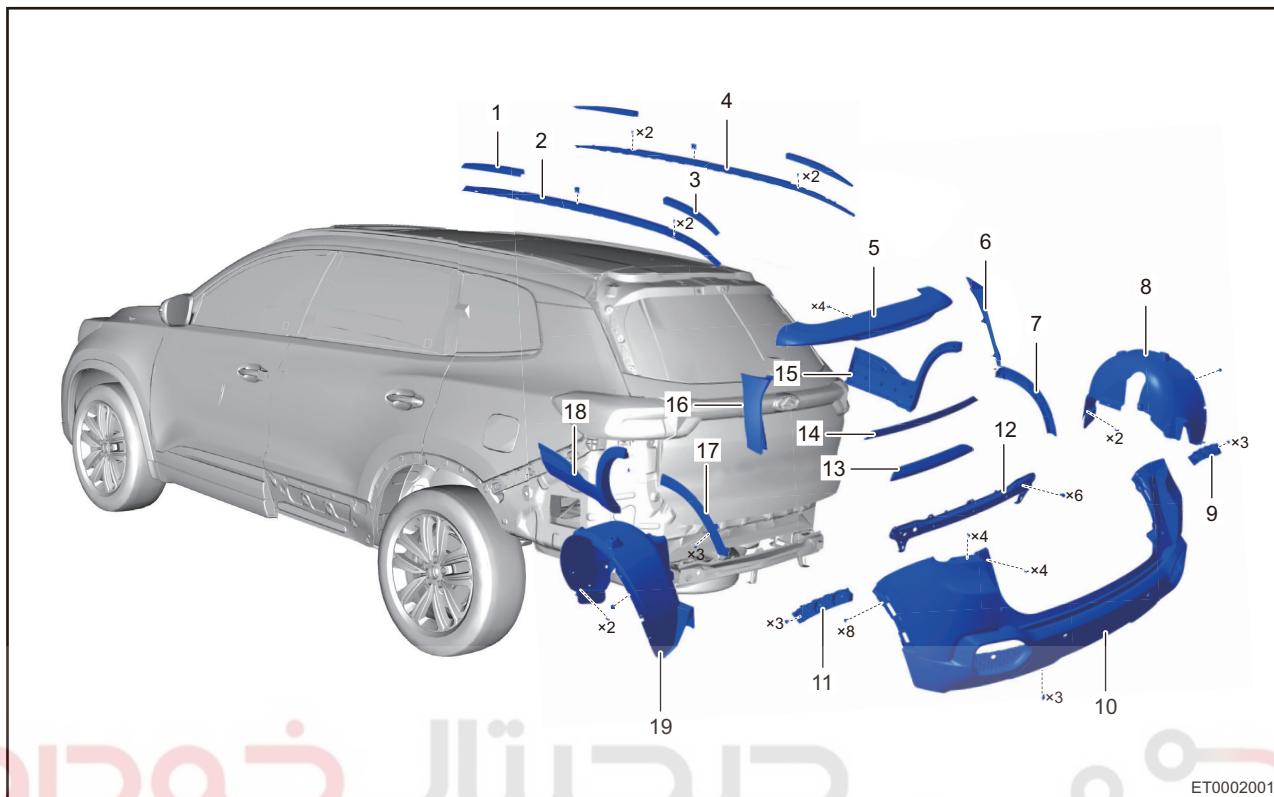
Front View



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1 - Front Windshield Lower Support Assembly	2 - Right Wing Trim Panel Assembly
3 - Front Right Wheel House 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 Left Wing Spacer
9 - Smart Grille Assembly	10 - Front Bumper Crossmember Assembly
11 - Active Inlet Grille	12 - Front CAC Name Plate
13 - Front Bumper Left Mounting Bracket	14 - Water Tank Lower Protector Assembly
15 - Front Left Wheel Arch Assembly	16 - Front Left Wheel House Protector Assembly
17 - Front Left Door Trim Panel Assembly	18 - Left Skirt Protector Assembly
19 - Left Wing Assembly	20 - Right Skirt Protector Assembly
21 - Left Wing Trim Panel Assembly	22 - Front Windshield Lower Support Left Sealing Plate
23 - Front Windshield Lower Support Right Sealing Plate	24 - Front Right Door Trim Panel Assembly
25 -Front Bumper Assembly	

Rear View



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

45

Bumper assembly and bumper crossmember assembly are safety device to protect the front and rear body, which mainly absorb and reduce outside shock.

Exterior mainly consists of front bumper assembly, front bumper mounting bracket, front bumper crossmember assembly, smart grille, front wheel house protector, front wheel arch, wing assembly, wing trim panel assembly, side skirt protector assembly, door trim panel assembly, water tank lower protector, rear bumper assembly, rear bumper mounting bracket, rear bumper bracket, rear bumper crossmember assembly, rear wheel house protector, front windshield lower support assembly, fuel filler cap assembly, fuel tank spoiler, D-pillar protector assembly, roof rack assembly, spoiler, etc.

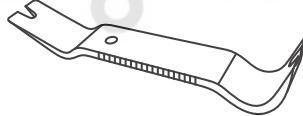
Specifications

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 Bumper Upper Fixing Bolt	25 ± 2.0
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
Water 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
Smart Grille Fixing Bolt	5.0 ± 1.0

Tool

Special Tool

Interior Crow Plate	CH-10008	
		025

ON-VEHICLE SERVICE

Front Bumper Assembly

Removal

Warning/Caution/Hint

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.
- Avoid breaking claws, when disassembling the 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 1 snap fastener (1) 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

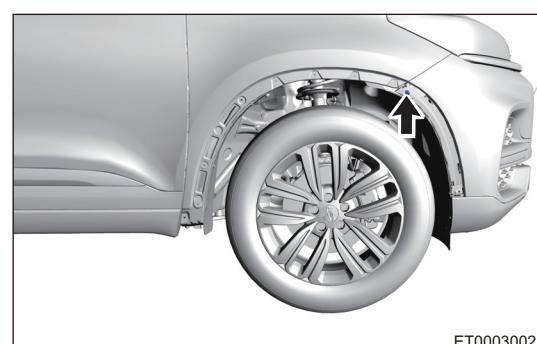
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



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

Tightening torque

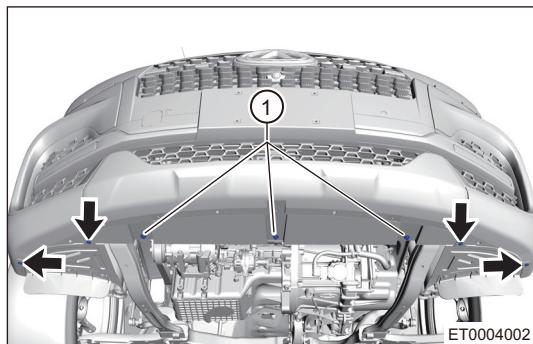
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



(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.

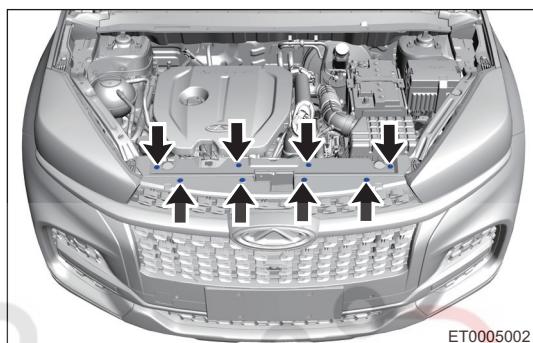
Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$

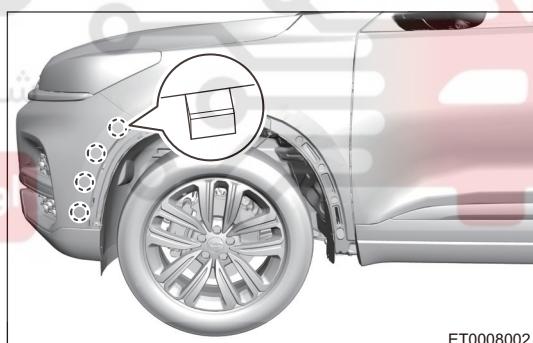
(f) Remove 8 fixing bolts from upper part of front bumper.

Tightening torque

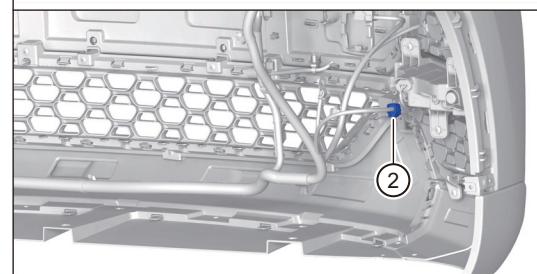
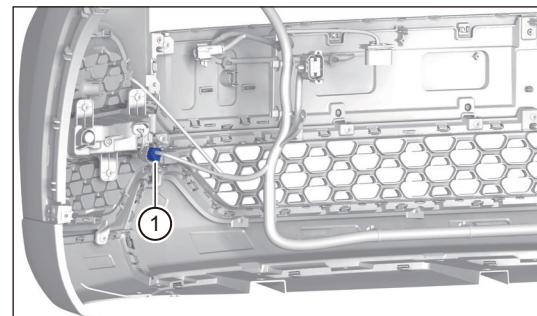
$5 \pm 1.0 \text{ N}\cdot\text{m}$



(g) Disengage the claws from front bumper assembly.

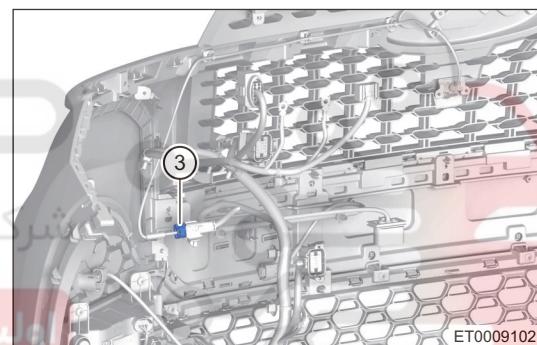


(h) Disconnect left daytime running light wire harness connector (1) and right daytime running light wire harness connector (2).



ET0009002

(i) Disconnect the front camera wire harness connector (3).



ET0009102

(j) Remove the front bumper assembly.

Installation

1. Installation is in the reverse order of removal.

Caution:

- After installing front bumper, perform panoramic image calibration.

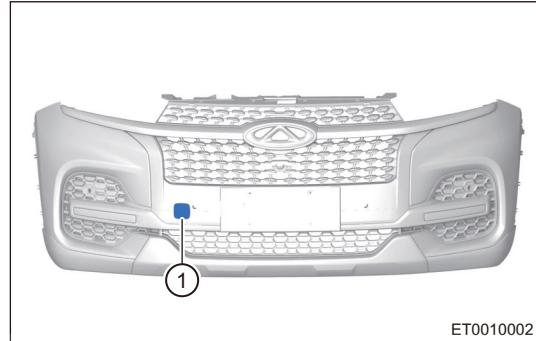
Disassembly

Warning/Caution/Hint

Caution:

- Be sure to wear necessary safety equipment to prevent accidents, when disassembling the 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 the front bumper assembly.

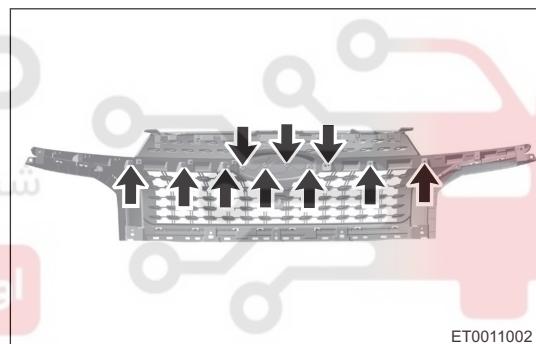
1. Remove the front bumper towing hook cover.
 - (a) Using a screwdriver wrapped with protective tape, pry off the front bumper towing hook cover.
 - (b) Remove the front bumper towing hook cover (1) from front bumper assembly.



2. Remove the name plate "CAC".
 - (a) Remove fixing screws (arrow) from name plate "CAC".

Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



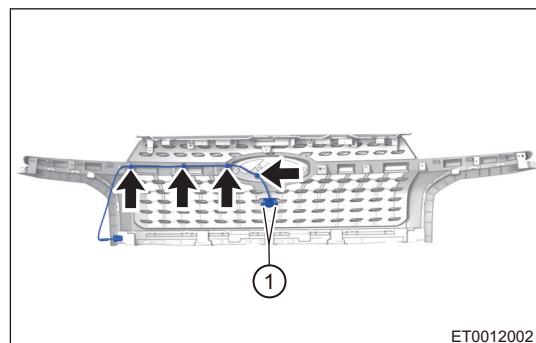
- (b) Remove name plate "CAC" from front bumper assembly.
3. Remove the front camera wire harness.

- (a) Using a screwdriver wrapped with protective tape, pry up the fixing clips (arrow) on front camera wire harness assembly.

- (b) Remove 2 fixing screws (1) from front camera.

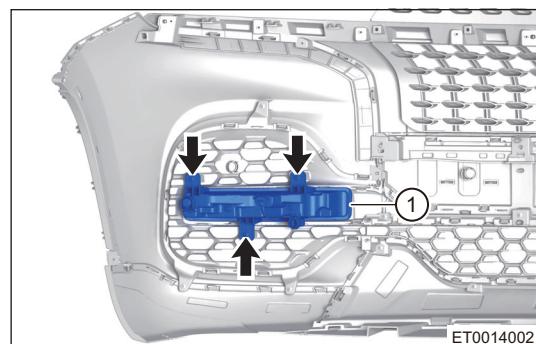
Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$

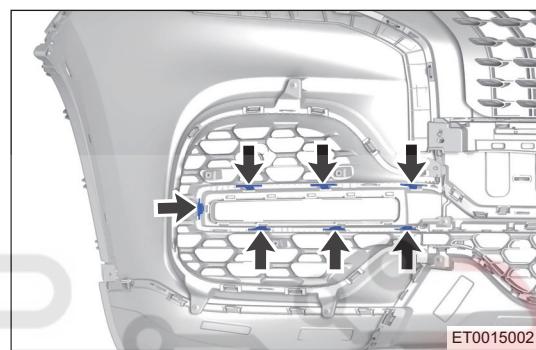


- (c) Remove the front camera wire harness.

- Remove the daytime running light assembly (The removal method is same for left and right daytime running light, and take left side as an example).
 - Remove 3 fixing screws from daytime running light (arrow).

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

- Remove the daytime running light assembly (1)
- Remove the daytime running light trim cover
 - Separate the claw from the daytime running light trim cover.
 - Remove the daytime running light trim cover (1).

**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

Warning/Caution/Hint

Hint:

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

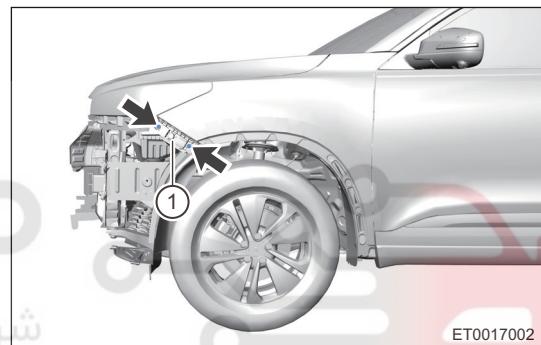
Caution:

- 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 45-11](#)).
4. Remove the front bumper left mounting bracket
 - (a) Remove 2 fixing bolts (arrow) from front bumper left mounting bracket, and remove the front bumper left mounting bracket (1).

Tightening torque

$6 \pm 1.0 \text{ N}\cdot\text{m}$



ET0017002

Installation

1. 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

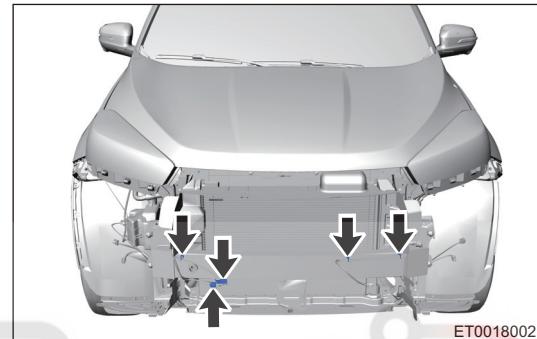
Removal

Warning/Caution/Hint

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.

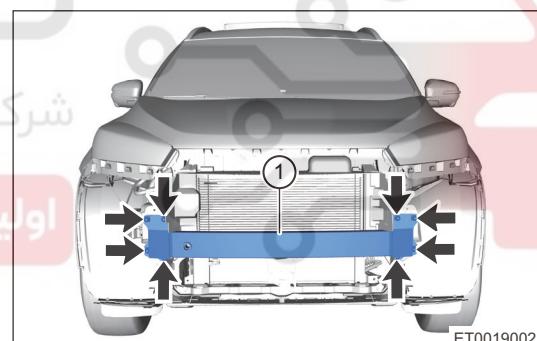
1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper crossmember assembly.
 - (a) Remove fixing clips (arrow) from front bumper crossmember wire harness.



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

Tightening torque

$50 \pm 5.0 \text{ N}\cdot\text{m}$



Installation

45

1. 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.

Air Deflector Assembly (Upper, Left, Right)

Removal

Warning/Caution/Hint

Caution:

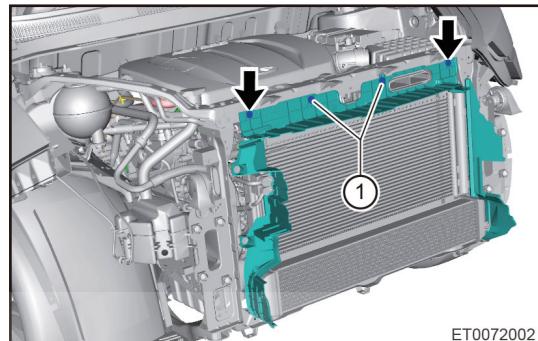
- Be sure to wear necessary safety equipment to prevent accidents, when removing air deflector.
- Try to prevent body paint surface from being scratched, when removing air deflector.

1. Remove the front bumper assembly.
2. Front Bumper Crossmember Assembly (See page 45-12).
3. Remove the upper air deflector assembly.

(a) Remove plastic clips (1) between upper air deflector and water tank upper crossmember and 2 fixing bolts (arrow).

Tightening torque

$5 \pm 1.0 \text{ N}\cdot\text{m}$

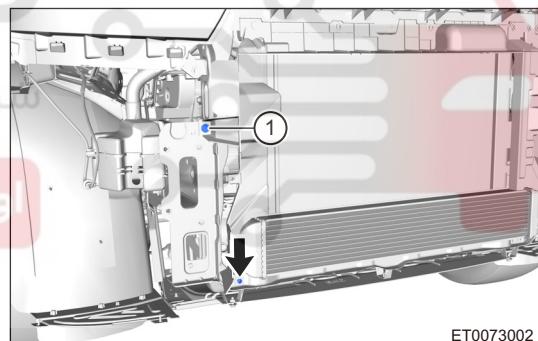


(b) Remove upper air deflector assembly.

4. Remove the left air deflector assembly.
- (a) Remove 1 fixing bolt (arrow) and 1 fixing clip (1) from left air deflector.

Tightening torque

$5 \pm 1.0 \text{ N}\cdot\text{m}$

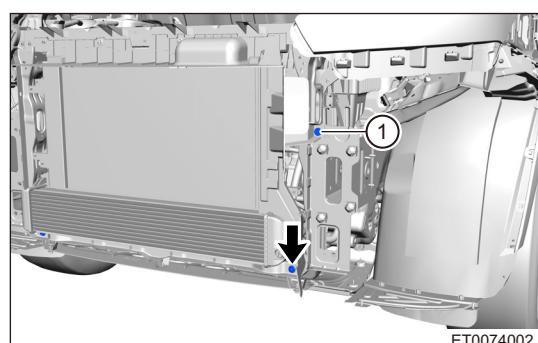


(b) Remove the left air deflector assembly.

5. Remove the right air deflector assembly.
- (a) Remove 1 fixing bolt (arrow) and 1 fixing clip (1) from right air deflector.

Tightening torque

$5 \pm 1.0 \text{ N}\cdot\text{m}$



(b) Remove the right air deflector assembly.

Installation

1. Installation is in the reverse order of removal.

Smart Grille (If equipped)

Removal

Warning/Caution/Hint

Caution:

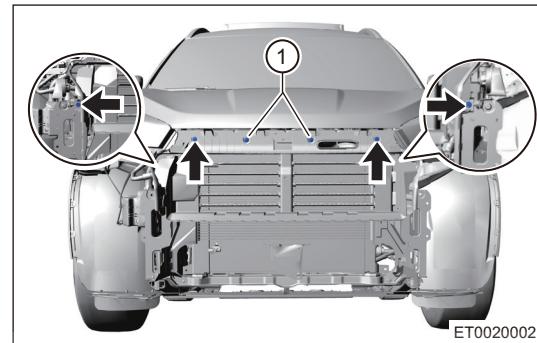
- Be sure to wear necessary safety equipment to prevent accidents, when removing the smart grille.
- Try to prevent body paint surface from being scratched, when removing smart grille.

1. Remove the front bumper (See page 45-11).
2. Remove the smart grille assembly.

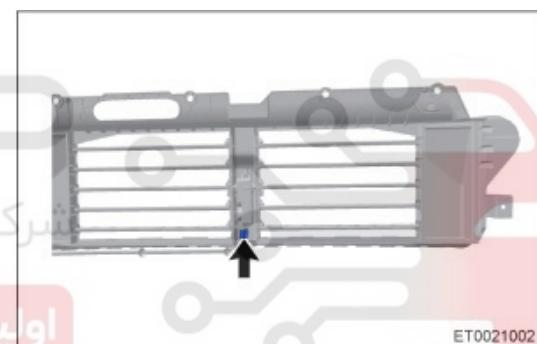
- (a) Remove 4 fixing bolt (arrow) and 2 plastic snap fastener (1) from the smart grille assembly.

Tightening torque

$5 \pm 1.0 \text{ N}\cdot\text{m}$



- (b) Disconnect the smart grille wire harness connector plug (arrow).



- (c) Remove the smart grille assembly.

Installation

1. Installation is in the reverse order of removal.

45

Caution:

- Be sure to wear safety equipment to prevent accidents, when installing smart grille.
- Try to prevent body paint surface from being scratched, when installing smart grille.
- When installing the smart grille assembly, replace the damaged plastic clamp and install smart grille into the place.

Front Wheel House Protector

Removal

Warning/Caution/Hint

Hint:

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

Caution:

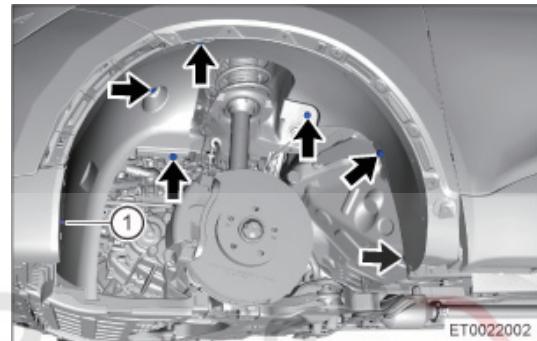
- Be sure to wear necessary safety equipment to prevent accidents, when removing front wheel house protector.
- Try to prevent body paint surface from being scratched, when removing front wheel house protector.

1. Remove the front left wheel arch.
2. Remove the front left wheel house protector.

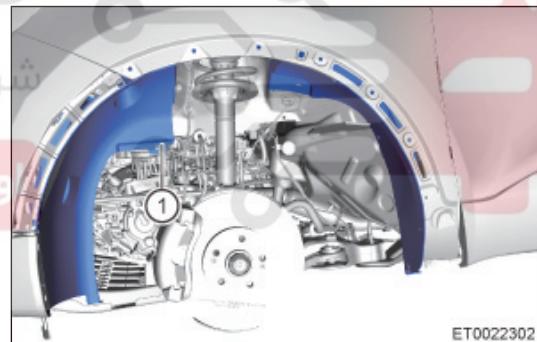
- (a) Remove 6 plastic snap fasteners (arrow) from front wheel house protector.
- (b) Remove 1 fixing screw (1) from lower part of front wheel house protector.

Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



- (c) Remove the front wheel house protector (1).



Installation

1. 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

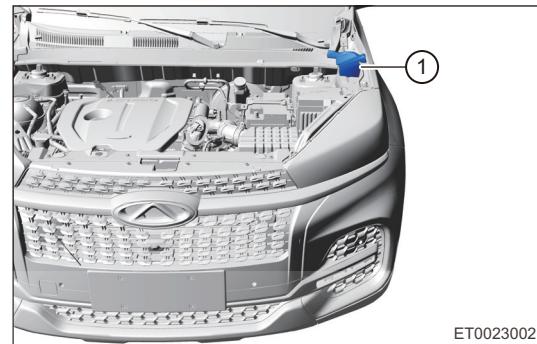
Removal

Warning/Caution/Hint

Caution:

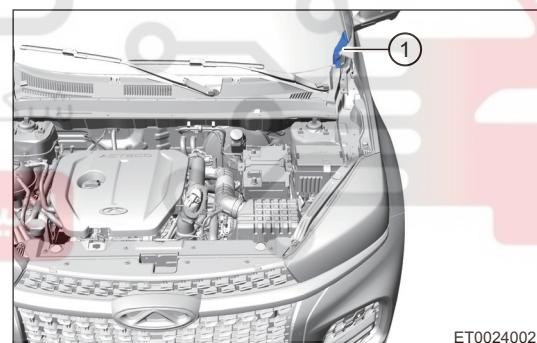
- Be sure to wear safety equipment to prevent accidents, when removing front windshield lower support assembly.
- Try to prevent body paint surface from being scratched, when removing front windshield lower support assembly.

1. Remove the wiper arm assembly (See page 31-14).
2. Remove the front windshield lower support left sealing block (1) (take left side as an example).



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

- (a) Using a screwdriver wrapped with protective tape, pry off claw on front windshield lower support left cover plate, and remove front windshield lower support left cover plate (1).



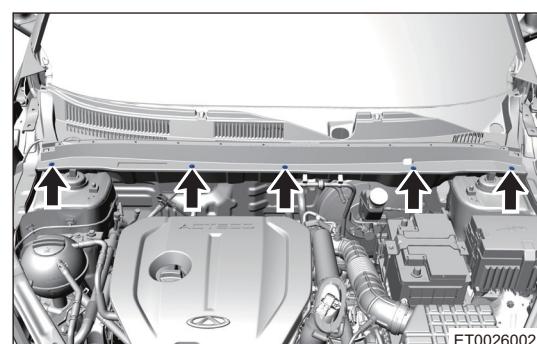
4. Remove the front windshield lower support assembly.

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- (a) Remove 5 fixing screws (arrow) and remove front windshield lower support assembly.

Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$

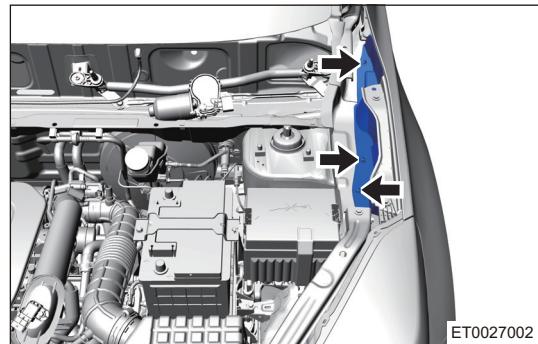


5. Remove the wing ornaments (take left side as an example).

(a) Remove 3 fixing screws (arrow) from front windshield lower support assembly.

Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



(b) Remove the wing trim panel assembly.

Installation

1. 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.

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Wing Assembly

Removal

Warning/Caution/Hint

Hint:

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

Caution:

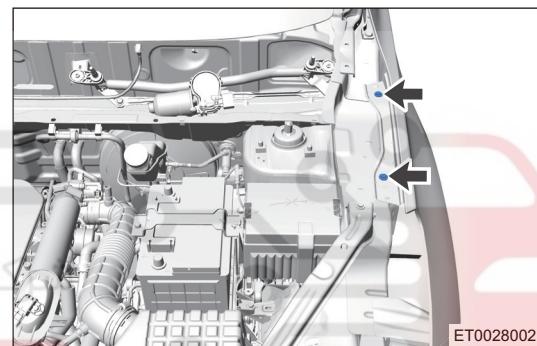
- Be sure to wear safety equipment to prevent accidents, when removing wing assembly.
- Try to prevent body paint surface from being scratched, when removing wing assembly.

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the front left wheel arch.
4. Remove the front bumper assembly (See page 45-11).
5. Remove the left headlight assembly (See page 30-67).
6. Remove the left front bumper bracket.
7. Remove the left wing assembly.

(a) Remove 2 fixing bolts (arrow) between the upper part of wing assembly and the body.

Tightening torque

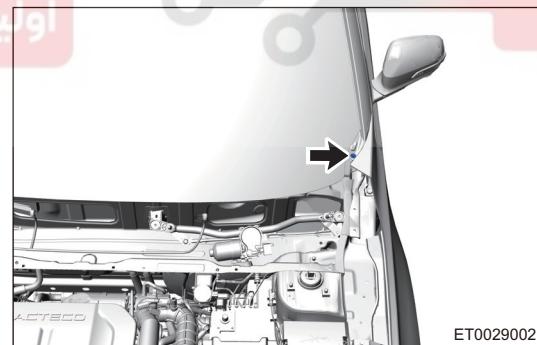
$6 \pm 1.0 \text{ N}\cdot\text{m}$



(b) Remove fixing bolt (arrow) between the upper part of wing assembly and lower end of A-pillar.

Tightening torque

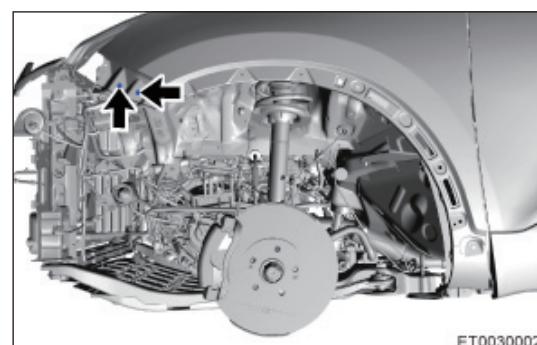
$6 \pm 1.0 \text{ N}\cdot\text{m}$



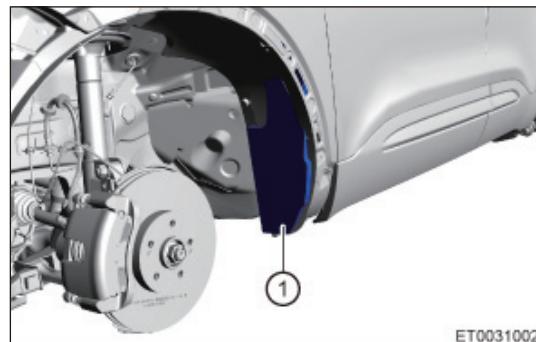
(c) Remove fixing bolts (arrow) between the front part of wing assembly and the body.

Tightening torque

$6 \pm 1.0 \text{ N}\cdot\text{m}$



(d) Remove the wing spacer (1).

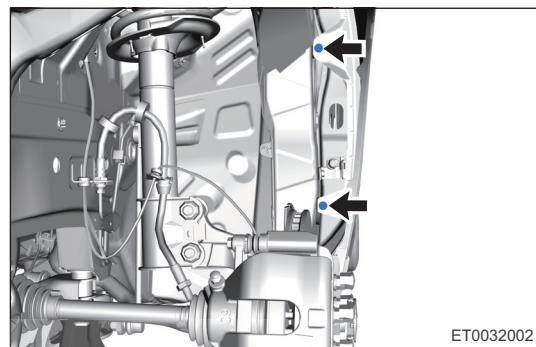


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(e) Remove 2 fixing bolts (arrow) between inner part of wing assembly and front end of vehicle body.

Tightening torque

$6 \pm 1.0 \text{ N}\cdot\text{m}$

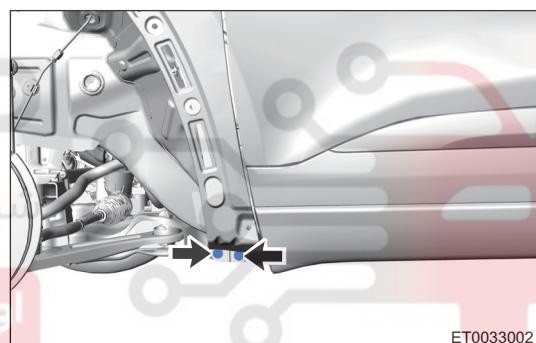


ET0032002

(f) Remove 2 fixing bolts (arrow) between the lower part of wing assembly and the body.

Tightening torque

$6 \pm 1.0 \text{ N}\cdot\text{m}$

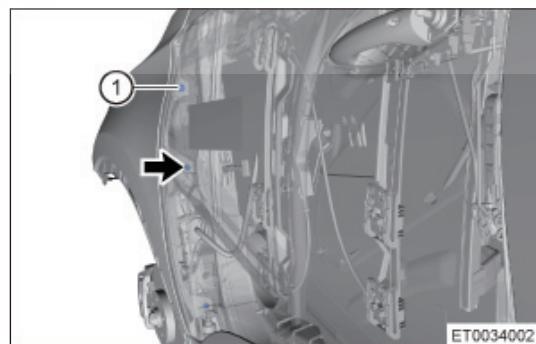


ET0033002

(g) Remove 1 fixing bolt (arrow) and 1 fixing screw (1) between the rear end of wing assembly and the body.

Tightening torque

$6 \pm 1.0 \text{ N}\cdot\text{m}$



ET0034002

(h) Remove the wing assembly.

Installation

1. 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.

Roof Rack

Removal

Warning/Caution/Hint

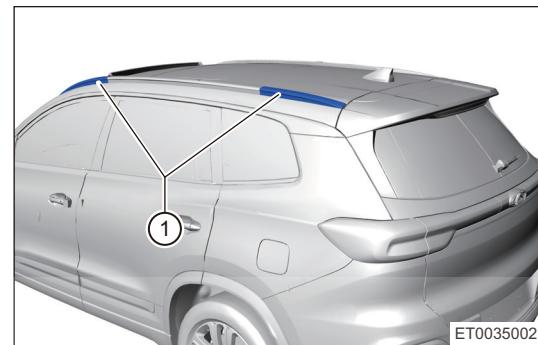
Hint:

- 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 roof rack.
- Try to prevent body paint surface from being scratched, when removing roof rack.

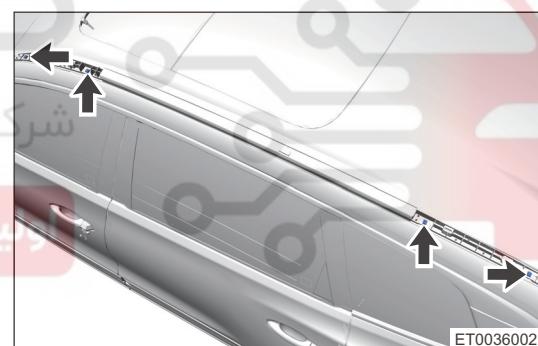
1. Using an interior crow plate, pry off trim covers (1) from front part and rear part of roof rack.



2. Remove 4 fixing bolts (arrow) from roof rack.

Tightening torque

$9 \pm 1.0 \text{ N}\cdot\text{m}$



3. Remove the roof rack assembly.

45 Installation

1. 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

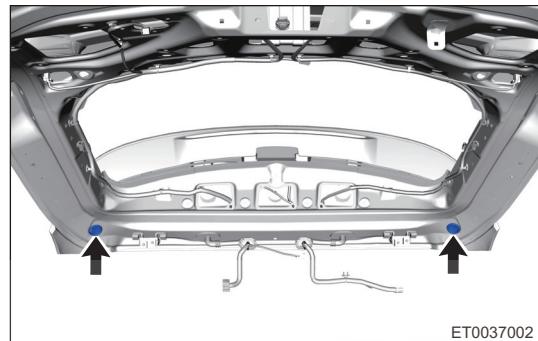
Removal

Warning/Caution/Hint

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.

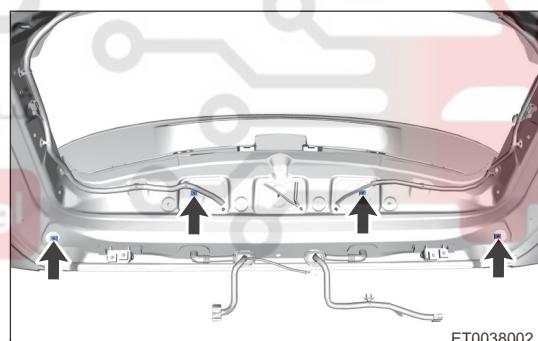
1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove back door upper protector assembly.
4. Using an interior crow plate, pry off trim covers (arrow) from rear spoiler.



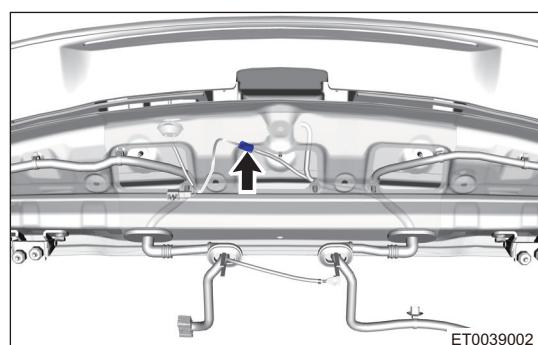
5. Remove 4 fixing nuts (arrow) from rear spoiler assembly.

Tightening torque

5 ± 1.0 N·m



6. Disconnect the wire harness connector (1) from high mounted stop light.



7. Remove the rear spoiler assembly (1).



Installation

1. 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)

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Water Tank Lower Protector

Removal

Warning/Caution/Hint

Caution:

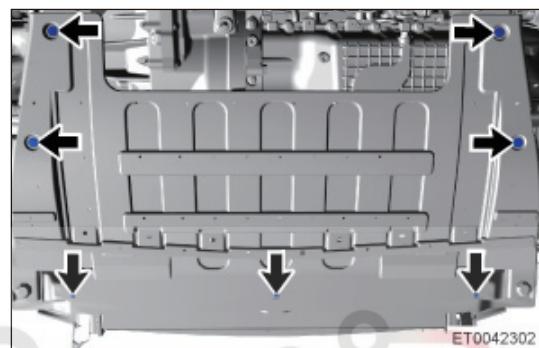
- Be sure to wear necessary safety equipment to prevent accidents, when removing water tank lower protector assembly.
- Try to prevent body paint surface from being scratched, when removing water tank lower protector assembly.

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the water tank lower protector assembly.

(a) Remove 7 fixing bolts (arrow) from water tank lower protector assembly.

Tightening torque

$5 \pm 1.0 \text{ N}\cdot\text{m}$



(b) Remove the water tank lower protector assembly.

Installation

1. Installation is in the reverse order of removal.

Caution:

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

Fuel Filler Cap Assembly

Removal

Warning/Caution/Hint

Caution:

- Be sure to wear safety equipment to prevent accidents, when removing fuel filler cap outer panel assembly.

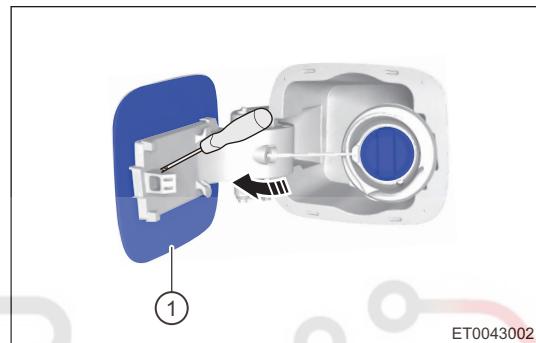
- Try to prevent body paint surface from being scratched, when removing fuel filler cap outer panel assembly.

1. Open the fuel filler cap assembly.

2. Remove the fuel filler cap assembly.

3. Using a flat tip screwdriver wrapped with protective tape, slightly pry up fixing clip from fuel filler cap outer panel.

4. Remove fuel filler cap outer panel (1) in direction of arrow as shown in illustration.



ET0043002

Installation

1. Installation is in the reverse order of removal.

Caution:

- Be sure to wear safety equipment to prevent accidents, when installing fuel filler cap outer panel assembly.

- Try to prevent body paint surface from being scratched, when installing fuel filler cap outer panel assembly.

Rear Bumper Assembly

Removal

Warning/Caution/Hint

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 combination light (See page 30-70).
4. Remove rear wheel arch assembly (take left side as an example).

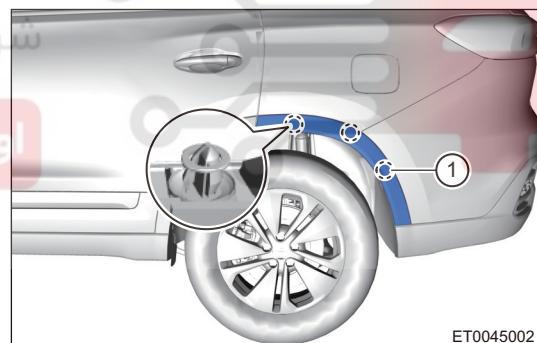
(a) Remove 3 fixing screws (arrow) from rear left wheel arch.

Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



(b) Using an interior crow plate, pry off fixing clip from rear left wheel arch.



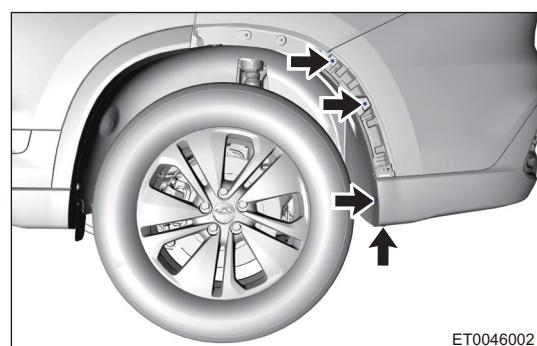
اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

5. Remove the rear bumper assembly.

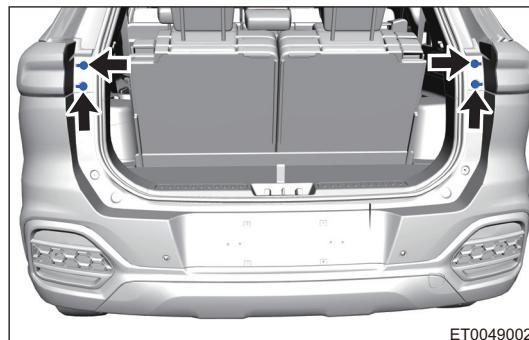
(a) Remove 4 fixing screws (arrow) from left side of rear bumper (take left side as an example).

Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$

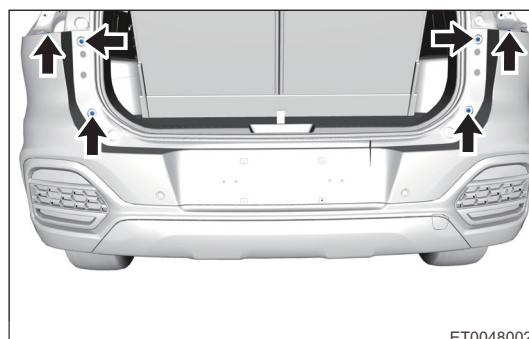


(b) Pry off rear combination light sealing cap and remove 2 fixing screws (arrw) from inside of rear combination light.

Tightening torque $2 \pm 0.5 \text{ N}\cdot\text{m}$ 

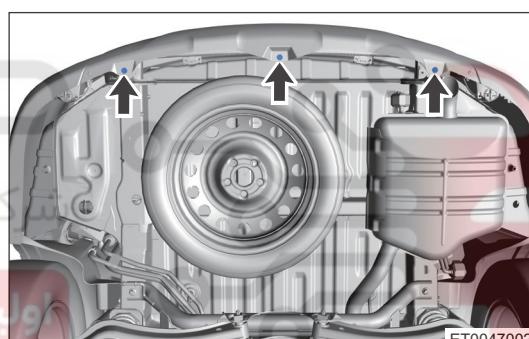
ET0049002

(c) Remove 6 fixing screws (arrow) from the upper part of rear bumper assembly.

Tightening torque $2 \pm 0.5 \text{ N}\cdot\text{m}$ 

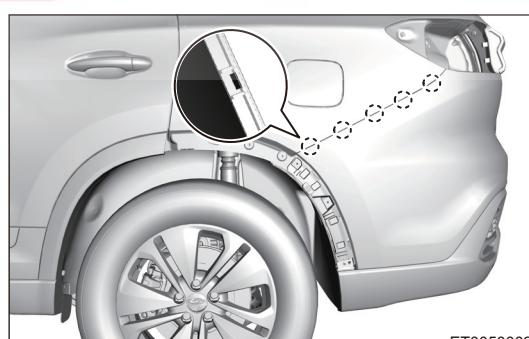
ET0048002

(d) Remove 3 fixing screws (arrow) from the lower part of rear bumper assembly.

Tightening torque $2 \pm 0.5 \text{ N}\cdot\text{m}$ 

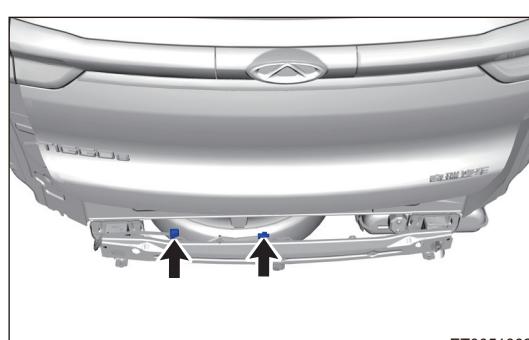
ET0047002

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



ET0050002

(f) Disconnect the connector (arrow) from rear bumper assembly, and remove the rear bumper assembly.



ET0051002

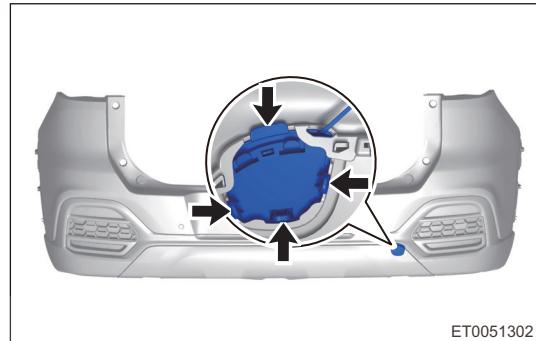
Disassembly

Warning/Caution/Hint

Caution:

- Be sure to wear necessary safety equipment to prevent accidents, when disassembling the 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 the rear bumper assembly.

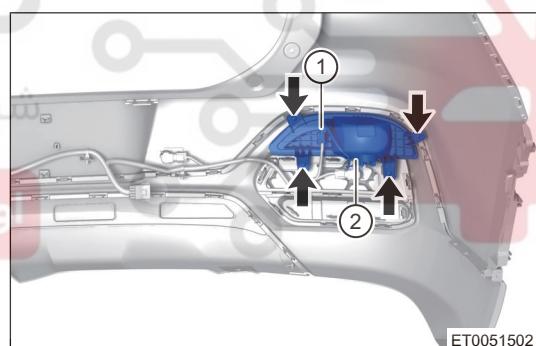
- Remove the reversing radar sensor (See page 35-26).
- Remove the rear bumper towing hook cover.
 - Using a screwdriver wrapped with protective tape, pry off the claw (arrow) on rear bumper towing hook cover.



ET0051302

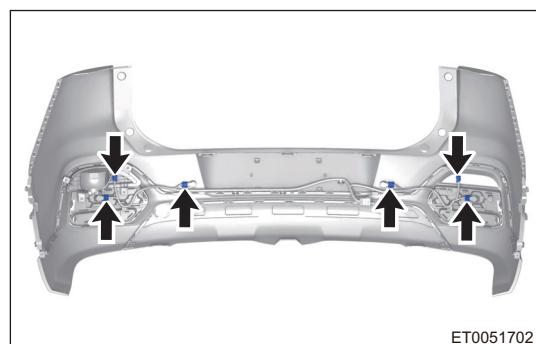
- Remove the rear bumper towing hook cover from rear bumper assembly.
- Remove the rear fog light (take left side as an example).
 - Remove 4 fixing screws (arrow) from rear fog light.

Tightening torque

 $2 \pm 0.5 \text{ N}\cdot\text{m}$


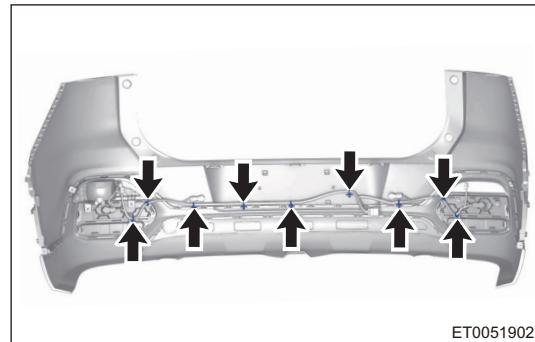
ET0051502

- Disconnect fog light wire harness connector (1).
- Remove the rear left fog light (2) from rear bumper assembly.
- Remove the rear bumper wire harness assembly.
 - Disconnect wire harness connectors (arrow) from left and right fog lights and radar sensors.



ET0051702

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



(c) Remove rear bumper wire harness assembly from rear bumper assembly.

Installation

1. 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 rear bumper assembly paint surface from being scratched, when assembling the rear bumper assembly.

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.

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

Side Skirt Protector Assembly

Removal

Warning/Caution/Hint

Hint:

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

Caution:

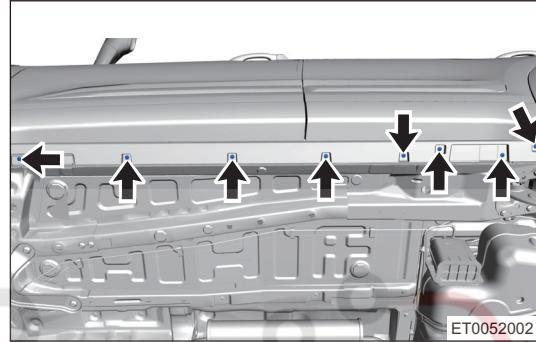
- Be sure to wear necessary safety equipment to prevent accidents, when removing side skirt protector assembly.
- Try to prevent body paint surface from being scratched, when removing side skirt protector assembly.

1. Remove the rear left wheel house protector (See page 45-32).
2. Remove the left side skirt protector assembly.

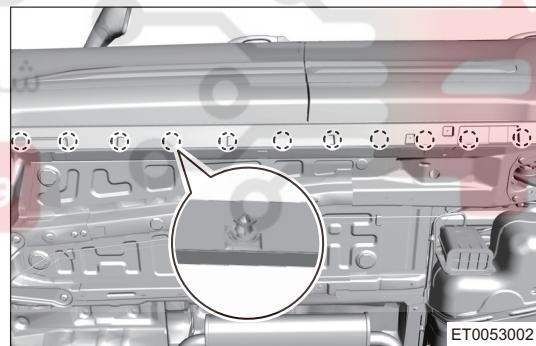
(a) Remove fixing screws (arrow) from left side skirt protector assembly.

Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



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



(c) Remove the side skirt protector assembly.

Installation

1. 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

Warning/Caution/Hint

Hint:

Use same procedures for right and left sides.

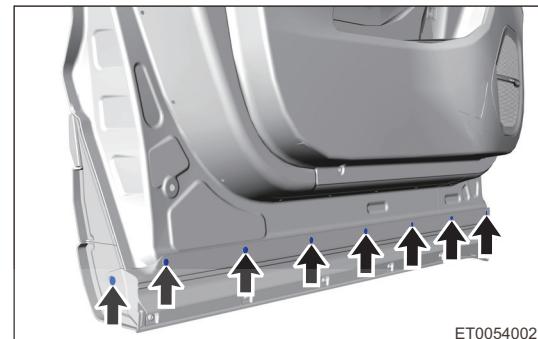
Procedures listed below are for left side.

Caution:

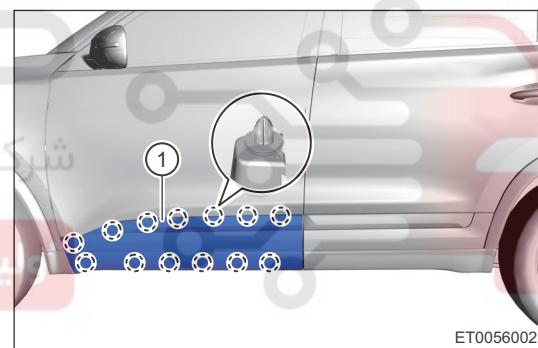
- Be sure to wear safety equipment to prevent accidents, when removing front door trim panel assembly.
- Try to prevent body paint surface from being scratched, when removing front door trim panel assembly.

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) Using an interior crow plate, pry off fixing clips from front door trim panel assembly.



(c) Remove the front door trim panel assembly (1).

Installation

45

1. 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.

Rear Door Trim Panel Assembly

Removal

Warning/Caution/Hint

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.

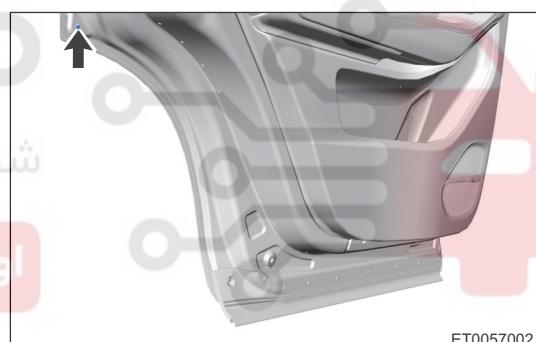
(a) Using an interior crow plate, pry off fixing clips (arrow) from rear door lower weatherstrip.



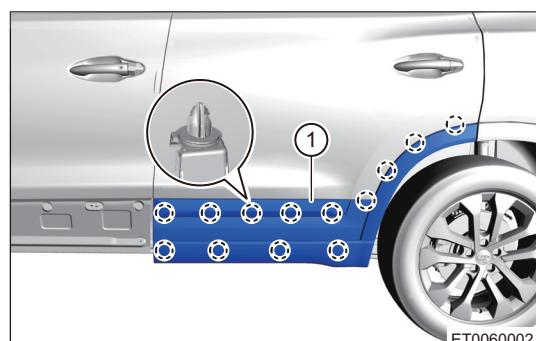
(b) Remove fixing screws (arrow) from rear door trim panel assembly.

Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



(c) Using an interior crow plate, pry off fixing clips from rear door trim panel assembly.



(d) Remove the rear door trim panel assembly (1).

Installation

1. 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

Warning/Caution/Hint

Hint:

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

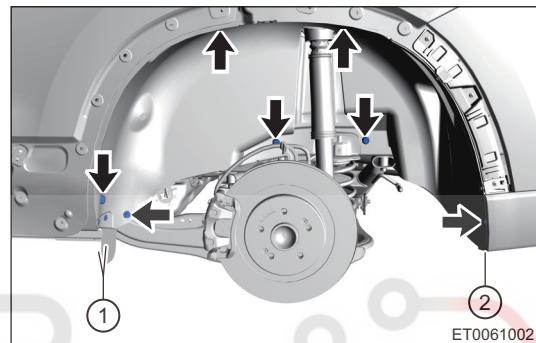
Caution:

- 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 rear wheel arch assembly (See page 45-25).

2. Remove the rear wheel house protector assembly.

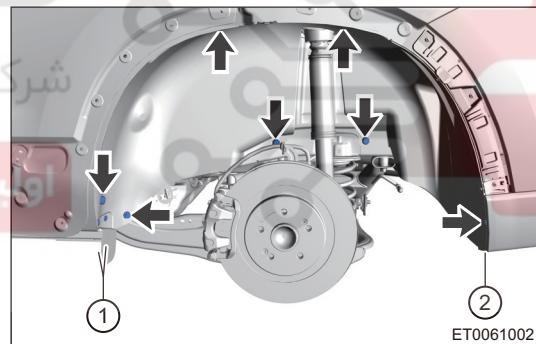
(a) Remove 2 plastic nuts and snap fastener (arrow) from rear wheel house protector assembly.



(b) Remove screw (1) from rear wheel house protector assembly.

Tightening torque

$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



(c) Remove screw (2) from rear wheel house protector assembly.

Tightening torque

$5 \pm 1.0 \text{ N}\cdot\text{m}$

(d) Remove the rear wheel house protector assembly.

45

Installation

1. 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

Warning/Caution/Hint

Hint:

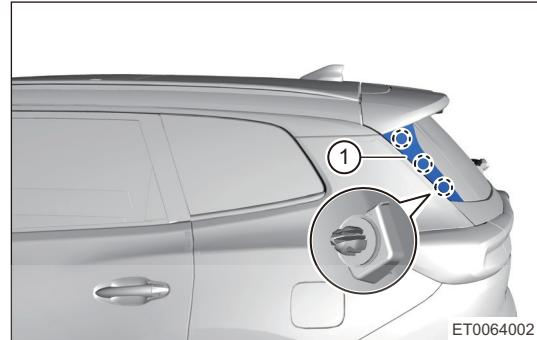
- Use same procedures for right and left sides.
- Procedures listed below are for left side.

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.



ET0064002

(b) Remove the D-pillar trim board assembly (1).

Installation

1. 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

Warning/Caution/Hint

Hint:

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

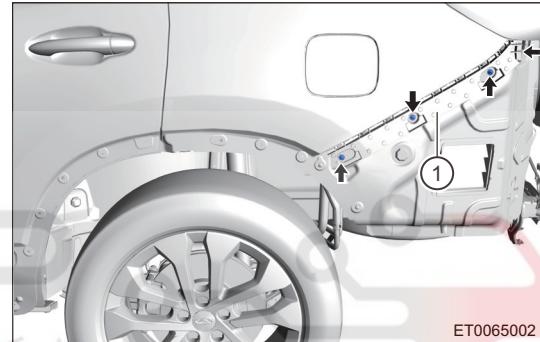
Caution:

- 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 45-25](#)).
4. Remove the rear bumper left mounting bracket.
 - (a) Remove 3 fixing bolts (arrow) from rear bumper mounting bracket, and remove rear bumper left mounting bracket (1).

Tightening torque

$6 \pm 1.0 \text{ N}\cdot\text{m}$



شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

Installation

1. 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

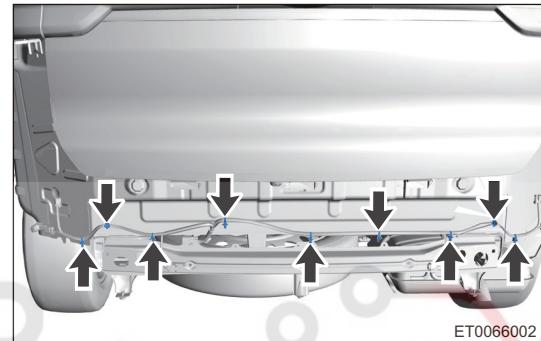
Removal

Warning/Caution/Hint

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.

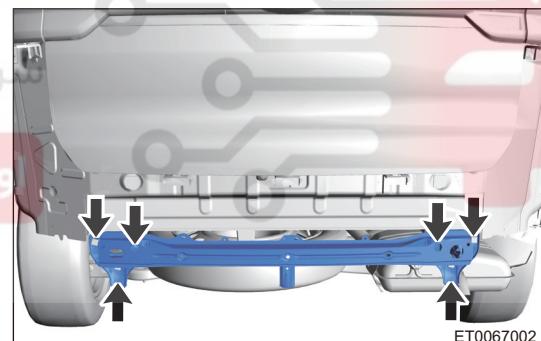
1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the rear bumper assembly ([See page 45-25](#)).
4. Remove the rear bumper crossmember assembly.
 - (a) Remove fixing clips (arrow) from rear bumper wire harness.



(b) Remove 6 fixing nuts (arrow) and rear bumper crossmember assembly.

Tightening torque

$25 \pm 2.0 \text{ N}\cdot\text{m}$



Installation

1. 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

Installation

1. "CAC Emblem (Rear Emblem)" Installation
 - (a) Clean the places where may contact 3M gum and keep those places free of residual dust and oil in order not to affect performance of 3M gum.
 - (b) Remove the release paper on from name plate "CAC", and keep your hands away from 3M gum.
 - (c) Insert CAC dowel pin to dowel pin holes of emblem installation area on rear back door light assembly and apply certain pressure for 3 seconds.



2. "TIGGO Emblem" and "Chery Automobile" Installation

- (a) Clean the places where may contact 3M gum and keep those places free of residual dust and oil in order not to affect performance of 3M gum.
 - (b) Remove the release paper on from name plate "CAC", and keep your hands away from 3M gum.
 - (c) Install the emblem to rear back door metal plate and apply certain pressure for 3 seconds.

