

EXTERIOR

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دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

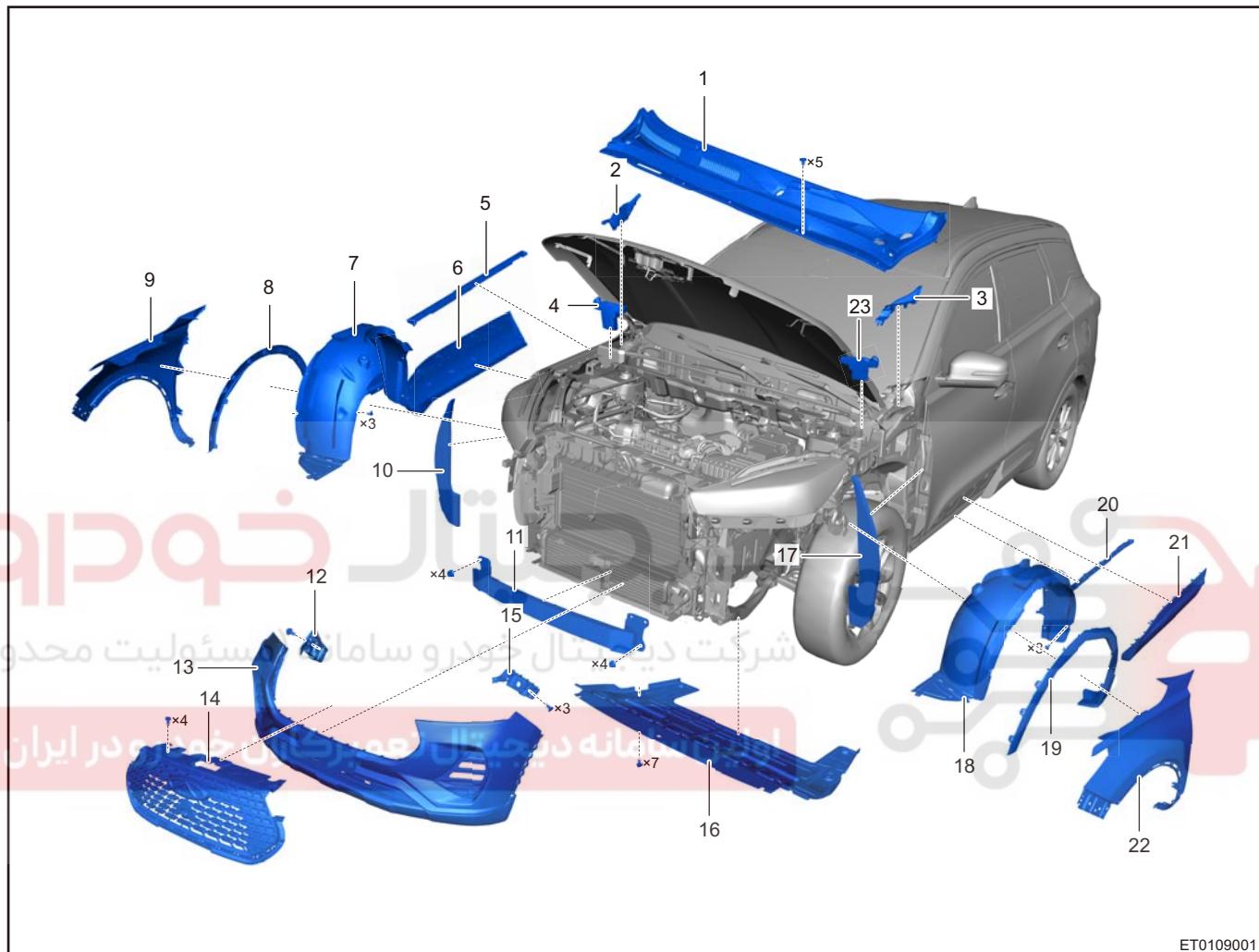


GENERAL INFORMATION

Overview

Description

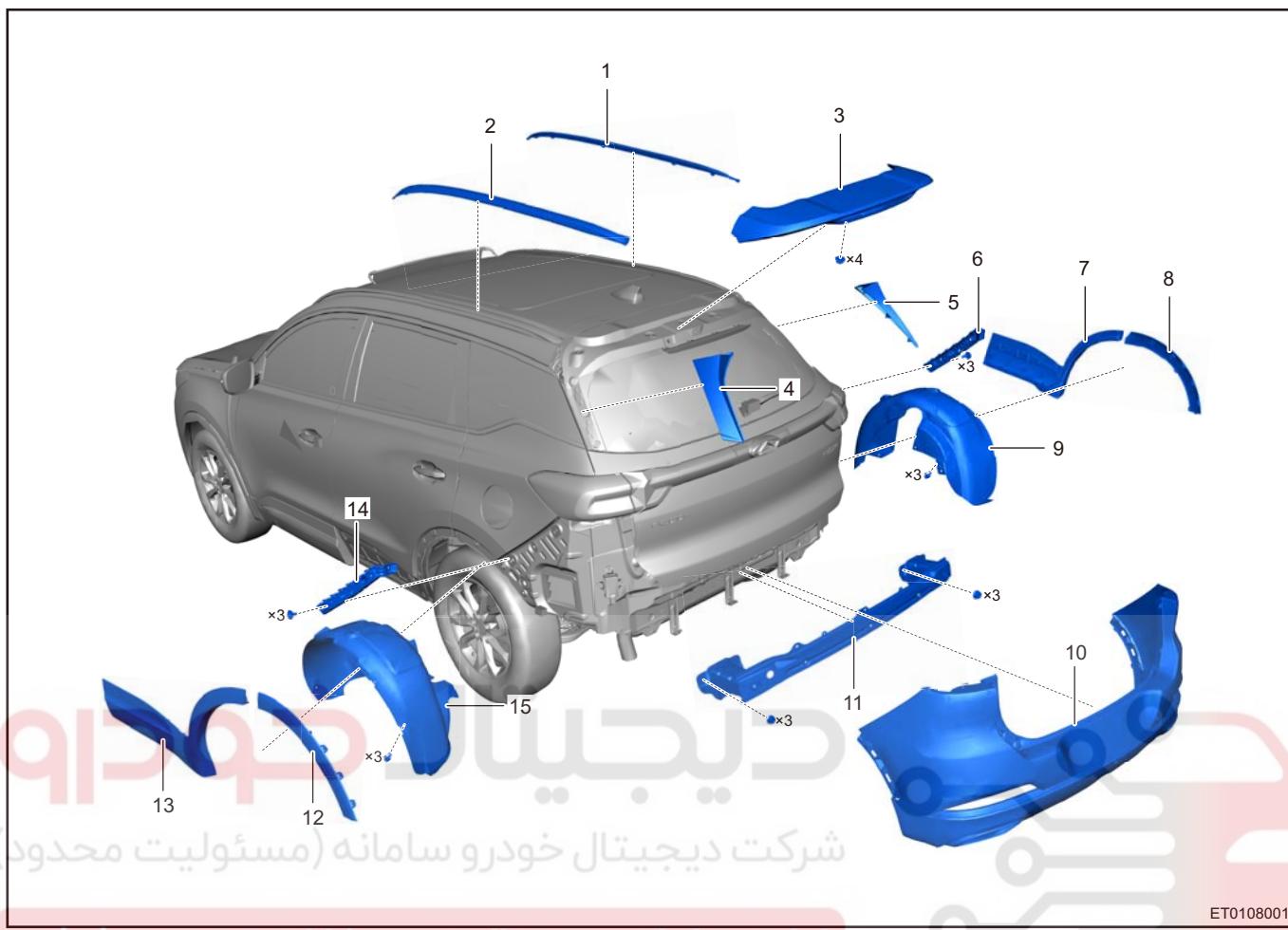
Front View



ET0109001

1 - Front Windshield Lower Support Assembly	2 - Front Windshield Lower Support Right Cover Plate
3 - Front Windshield Lower Support Left Cover Plate	4 - Right Foam Block
5 - Right Skirt Protector Assembly	6 - Front Right Door Trim Panel Assembly
7 - Front Right Wheel House Protector Assembly	8 - Front Right Wheel Arch Ornament Assembly
9 - Right Wing	10 - Front Right Air Deflector
11 - Front Bumper Guard Crossmember Assembly	12 - Front Bumper Right Bracket
13 - Front Bumper Assembly	14 - Radiator Grille Assembly
15 - Front Bumper Left Bracket	16 - Engine Lower Protector
17 - Front Left Air Deflector	18 - Front Left Wheel House Protector Assembly
19 - Front Left Wheel Arch Ornament Assembly	20 - Left Skirt Protector Assembly
21 - Front Left Door Trim Panel Assembly	22 - Left Wing Assembly
23 - Left Foam Block	

Rear View



1 - Right Roof Rack Body	2 - Left Roof Rack Assembly
3 - Spoiler Assembly	4 - Left D-pillar Trim Board Assembly
5 - Right D-pillar Trim Board Assembly	6 - Rear Bumper Right Mounting Bracket
7 - Rear Right Door Trim Panel Assembly	8 - Rear Right Wheel Arch Ornament Assembly
9 - Rear Right Wheel House Protector Assembly	10 - Rear Bumper Body Assembly
11 - Rear Bumper Crossmember Body	12 - Rear Left Wheel Arch Ornament Assembly
13 - Rear Left Door Trim Board Assembly	14 - Rear Bumper Left Mounting Bracket
15 - Rear Left Wheel House Protector Assembly	

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, engine 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

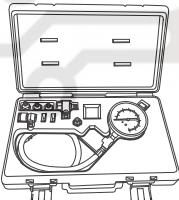
Torque Specifications

Description	Torque (N·m)
Front Wheel Arch Fixing Screw	1.5 ± 0.5
Front Bumper Fixing Screw	1.5 ± 0.5
Front Bumper Fixing Bolt	5 ± 1
Radiator Grille Fixing Screw	1.5 ± 0.5
Front Camera Fixing Screw	1.5 ± 0.5
Daytime Running Light Fixing Screw	1.5 ± 0.5
Front Bumper Left Bracket Fixing Bolt	5 ± 1.0
Front Bumper Left Upper Bracket Fixing Bolt	5 ± 1.0
Front Bumper Crossmember Assembly Fixing Nut	48 ± 7.0
Air Deflector Fixing Screw	1.5 ± 0.5
Front Windshield Lower Support Fixing Screw	1.5 ± 0.5
Wing Assembly Fixing Bolt	6 ± 1.0
Roof Rack Fixing Bolt	9 ± 1.0
Rear Spoiler Fixing Nut	5 ± 1
Engine Lower Protector Fixing Bolt	5 ± 1
Rear Wheel Arch Fixing Screw	1.5 ± 0.5

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Tool

Special Tool

Special Tool Name	Part No.	Special Tool Drawing
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)	CH-10008	 RCH0000006

ON-VEHICLE SERVICE

Front Bumper Assembly

Removal

Warning/Caution/Hint

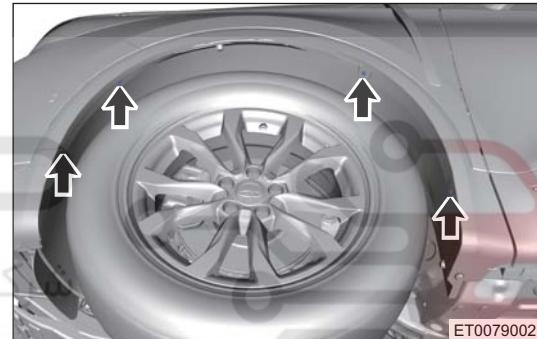
Caution:

- 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 front bumper assembly.

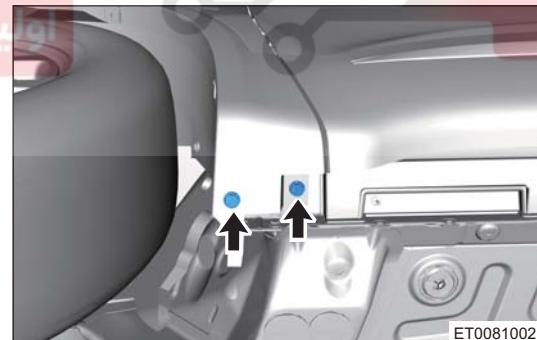
1. Turn off all electrical equipment and ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the engine compartment trim cover assembly.
4. Remove front left wheel arch assembly (take left side as an example).
 - (a) Remove 4 fixing screws (arrow) from upper side of front wheel arch.

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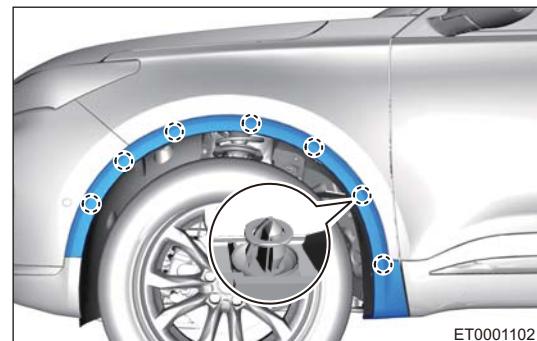
Tightening torque

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


- (b) Remove 2 snap fasteners (arrow) from lower side of front wheel arch.



- (c) Using an interior crow plate, pry off fixing clip from upper side of rear left wheel arch.



- (d) Remove the front left wheel arch assembly.

5. Remove the front bumper assembly.

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

Tightening torque

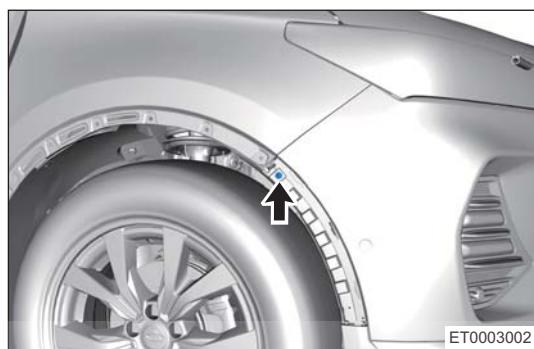
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



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

Tightening torque

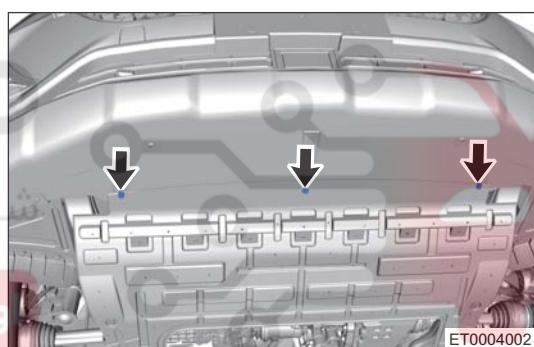
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



(c) Raise the vehicle to a proper position, remove 3 fixing bolts (arrow) from the lower part of front bumper assembly and engine lower protector.

Tightening torque

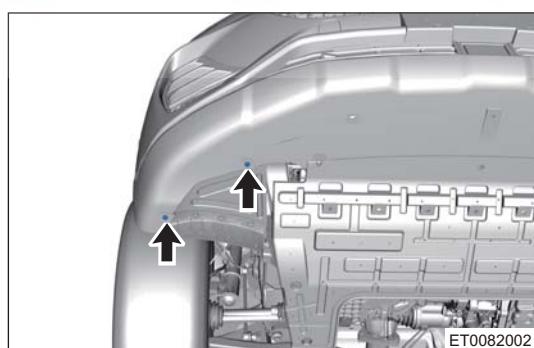
$5 \pm 1 \text{ N}\cdot\text{m}$



(d) Remove 2 fixing screws (arrow) from lower part of front left wheel house protector.

Tightening torque

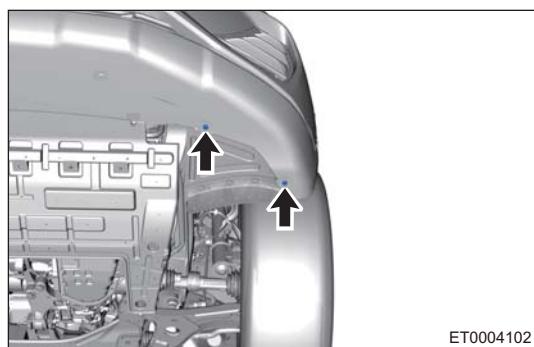
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



(e) Remove 2 fixing screws (arrow) from lower part of front right wheel house protector.

Tightening torque

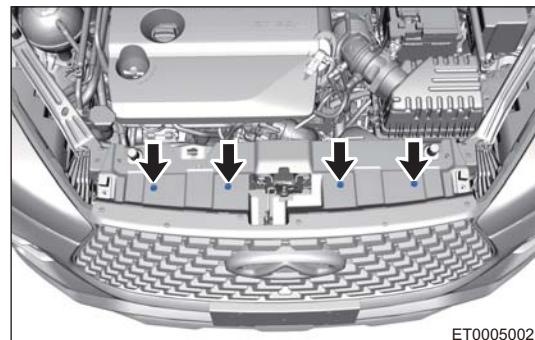
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



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

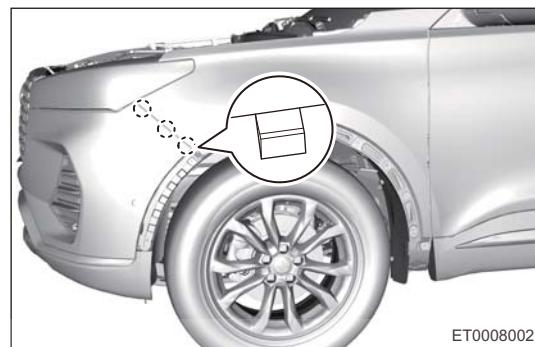
Tightening torque

5 ± 1.0 N·m



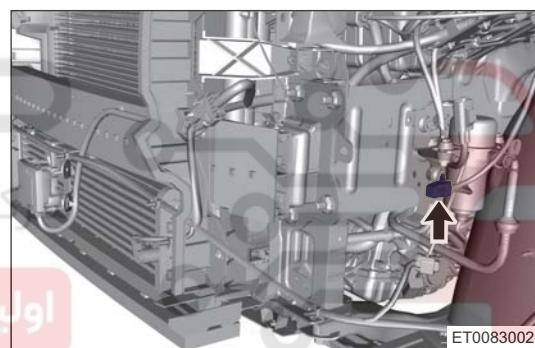
ET0005002

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



ET0008002

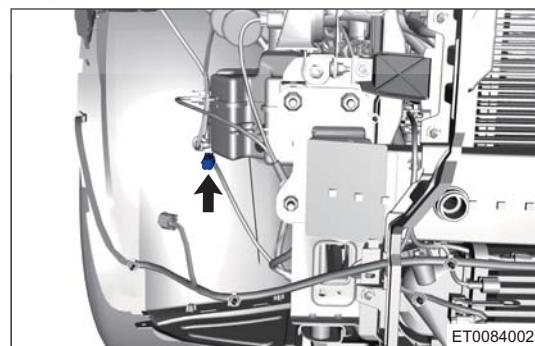
(h) Disconnect wire harness connector (arrow) from left daytime running light.



ET0083002

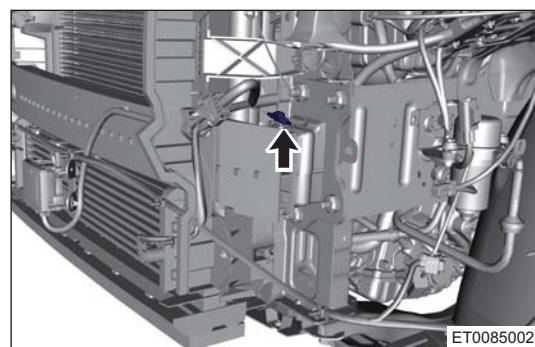
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(i) Disconnect wire harness connector (arrow) from left daytime running light.



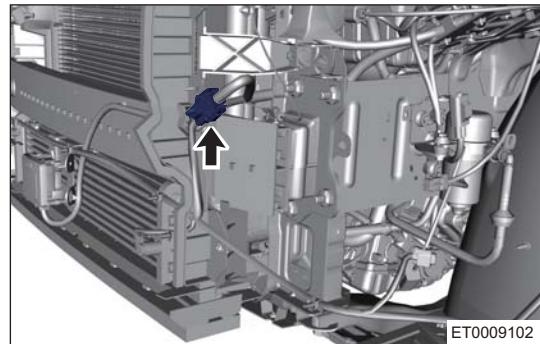
ET0084002

(j) Disconnect wire harness connector (arrow) from front camera.



ET0085002

(k) Disconnect wire harness connector (arrow) from front bumper radar assembly.



(l) Remove the front bumper assembly.

Installation

1. Installation is in the reverse order of removal.

Caution:

- After installing front bumper, perform panoramic image calibration.

دُخْلَجِيَّال

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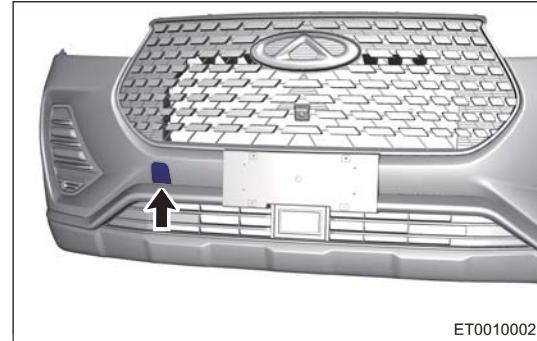
Disassembly

Warning/Caution/Hint

Caution:

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

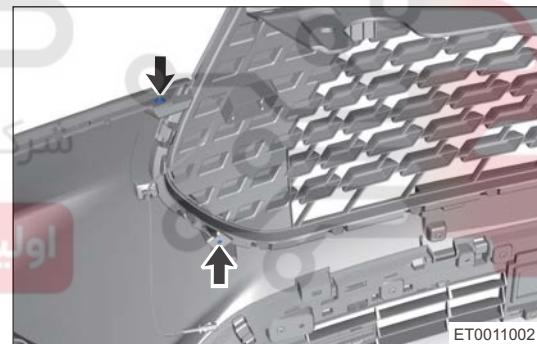


2. Remove the radiator grille assembly.

- (a) Remove 2 fixing screws (arrow) from left side of radiator grille.

Tightening torque

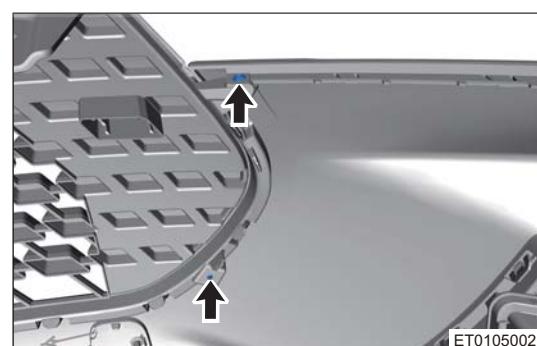
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



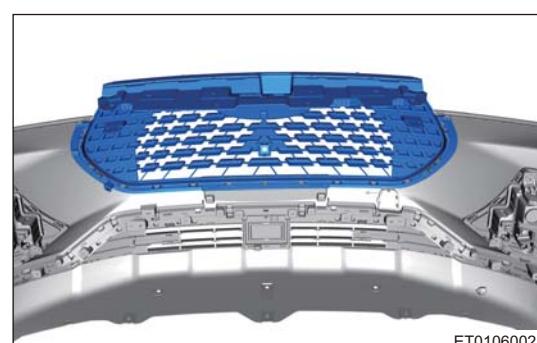
- (b) Remove 2 fixing screws (arrow) from right side of radiator grille.

Tightening torque

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

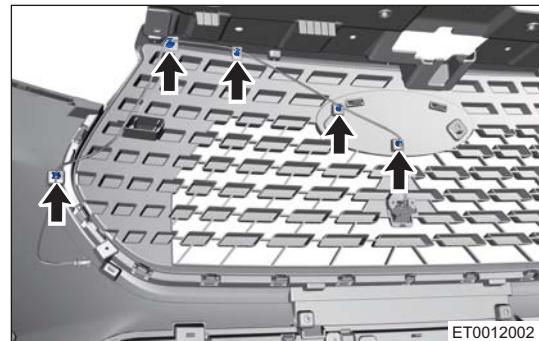


- (c) Using an interior crow plate, carefully pry off clip from radiator grille and remove radiator grille.

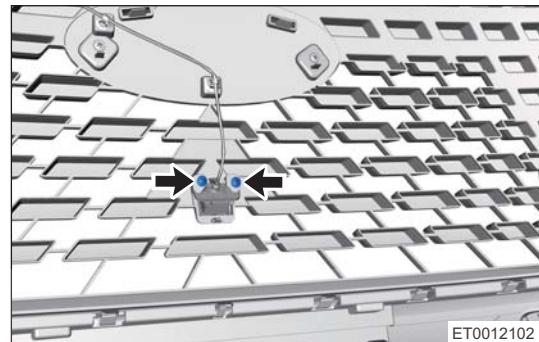


3. Remove the front camera assembly.

(a) Using an interior crow plate, pry off fixing clips (arrow) from front camera wire harness assembly.



(b) Remove 2 fixing screws (arrow) from front camera.

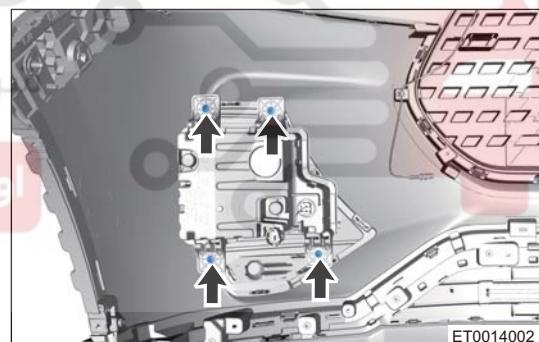
Tightening torque $1.5 \pm 0.5 \text{ N}\cdot\text{m}$ 

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(c) Remove the front camera assembly.

4. Remove left daytime running light assembly (take left side as an example).

(a) Remove 4 fixing screws (arrow) from daytime running light.

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

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(b) Remove the daytime running light assembly.

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 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 Left Bracket

Removal

Warning/Caution/Hint

Hint:

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

Caution:

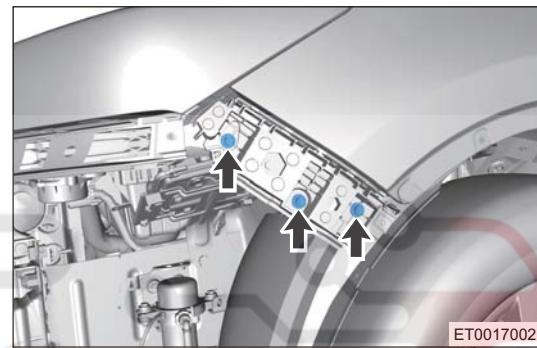
- Be sure to wear necessary safety equipment to prevent accidents, when removing front bumper left bracket.
- Try to prevent body paint surface from being scratched, when removing front bumper left bracket.

1. Turn off all electrical equipment and ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 61-6).
4. Remove the front bumper left bracket.

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(a) Remove 3 fixing bolts (arrow) from front bumper left bracket.

Tightening torque

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


(b) Remove 1 fixing screw (arrow) from front bumper left bracket secured on front bumper left upper bracket.

Tightening torque

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


(c) Remove the front bumper left bracket.

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 left bracket.
- Try to prevent body paint surface from being scratched, when installing front bumper left bracket.

Front Bumper Left Upper Bracket

Removal

Warning/Caution/Hint

Hint:

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

Caution:

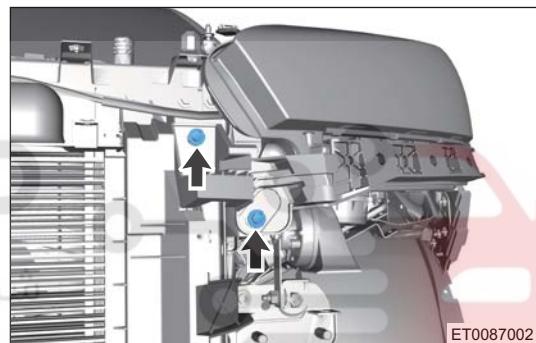
- Be sure to wear necessary safety equipment to prevent accidents, when removing front bumper left upper bracket.
- Try to prevent body paint surface from being scratched, when removing front bumper left upper bracket.

1. Turn off all electrical equipment and ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly ([See page 61-6](#)).
4. Remove the front bumper left bracket ([See page 61-12](#)).
5. Remove the front bumper left upper bracket.

(a) Remove 2 fixing bolts (arrow) from front bumper left upper bracket.

Tightening torque

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



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(b) Remove the front bumper left upper bracket.

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 left upper bracket.
- Try to prevent body paint surface from being scratched, when installing front bumper left upper bracket.

Front Bumper Crossmember Assembly

Removal

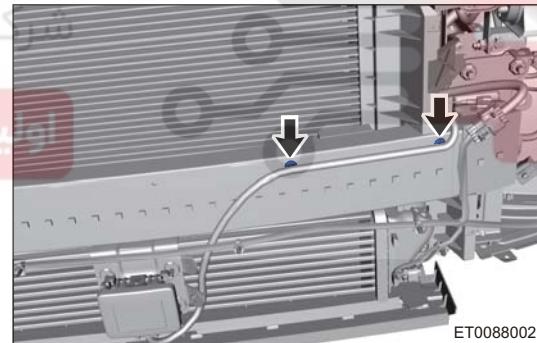
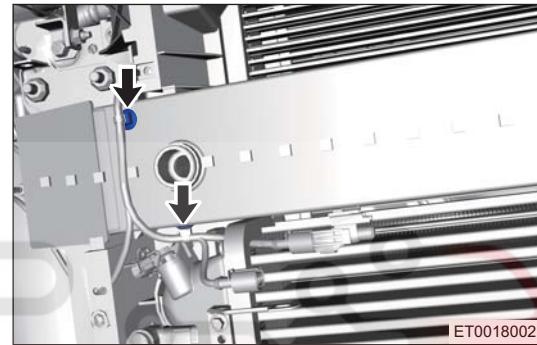
Warning/Caution/Hint

Caution:

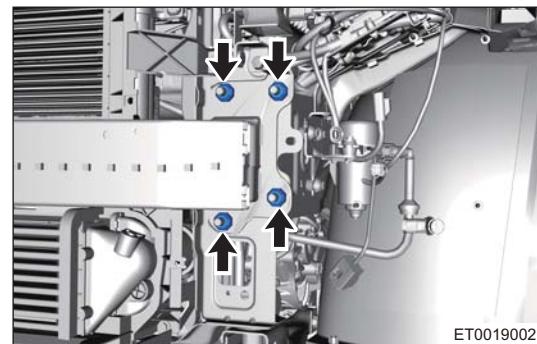
- Be sure to wear necessary safety equipment to prevent accidents, when removing front bumper crossmember assembly.
- Try to prevent body paint surface from being scratched, when removing front bumper crossmember assembly.

1. Turn off all electrical equipment and ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 61-6).
4. Remove the microwave radar bracket.
5. Remove the front bumper crossmember assembly.
 - (a) Remove fixing clip (arrow) from front bumper upper wire harness.

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- (b) Remove fixing clip (arrow) from front bumper upper wire harness.



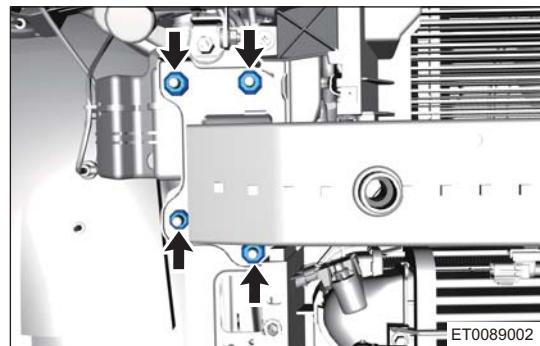
Tightening torque

$48 \pm 7.0 \text{ N}\cdot\text{m}$

(d) Remove 4 fixing nuts (arrow) from left side of front bumper crossmember assembly.

Tightening torque

48 ± 7.0 N·m



(e) Remove the front bumper crossmember assembly.

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 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.

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دیجیتال خودرو سامانه

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Air Deflector (Upper, Left and 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.

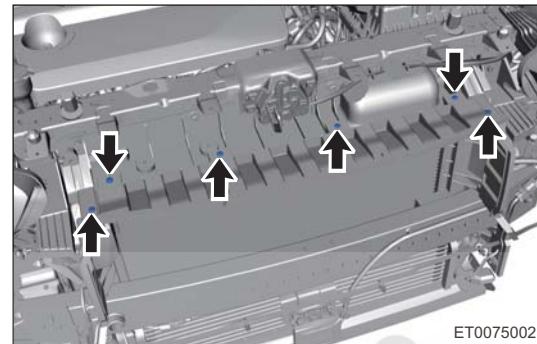
1. Turn off all electrical equipment and ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 61-6).
4. Remove the upper air deflector assembly.

(a) Remove 6 fixing screws (arrow) from front upper air deflector.

Tightening torque

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

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ET0075002

(b) Remove the front upper air deflector assembly.

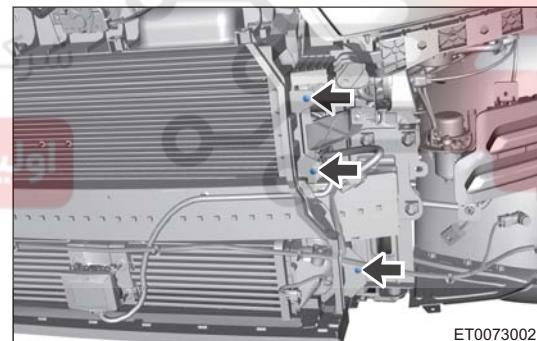
5. Remove the front left air deflector assembly (removal produces for left and right are same).

(a) Remove 3 fixing bolts (arrow) from front left air deflector.

Tightening torque

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

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ET0073002

(b) Remove the front left air deflector assembly.

Installation

1. Installation is in the reverse order of removal.

Front Wheel House Protector

Removal

Warning/Caution/Hint

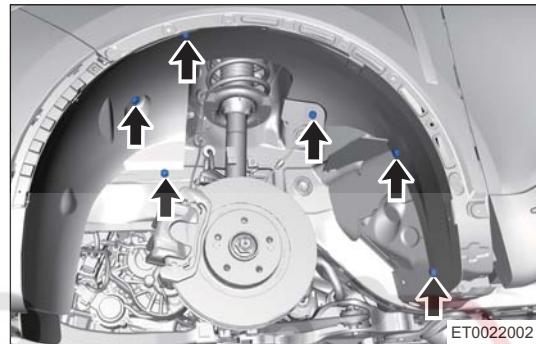
Hint:

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

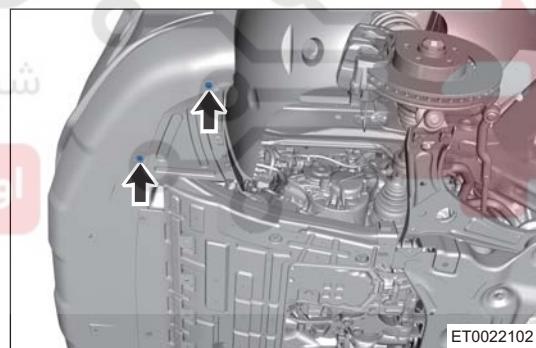
Caution:

- 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 assembly.
2. Remove the front left wheel house protector.
 - (a) Remove 6 plastic snap fasteners (arrow) from upper part of front wheel house protector.
 - (b) Remove 2 fixing screws (arrow) from lower part of front wheel house protector.
 - (c) Remove the front wheel house protector.



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(b) Remove 2 fixing screws (arrow) from lower part of front wheel house protector.

(c) Remove the front wheel house protector.

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

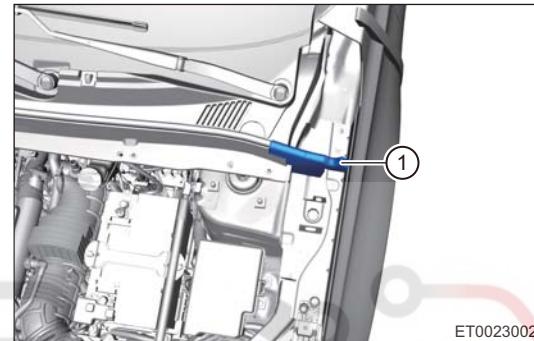
Warning/Caution/Hint

Caution:

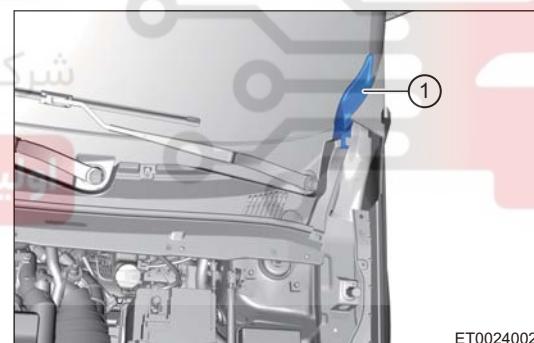
- Be sure to wear safety equipment to prevent accidents, when removing front windshield lower support assembly.
- Try to prevent body paint surface from being scratched, when removing front windshield lower support assembly.

1. Turn off all electrical equipment and ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the front wiper arm assembly (See page 45-20).
4. Remove the front windshield lower support assembly.
 - (a) Remove the front windshield lower support left block (1) (take left side as an example).

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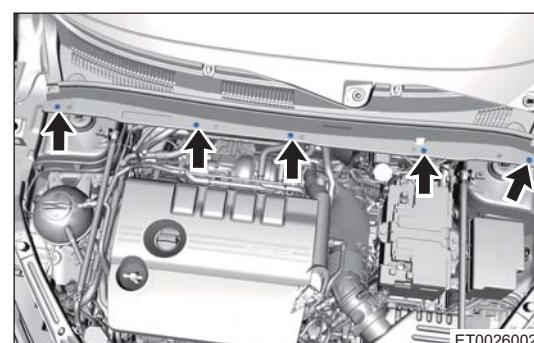
ET0023002



ET0024002

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

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ET0026002

(d) Disconnect front washer pipe 1 (arrow) and remove front windshield lower support assembly.



ET0090002

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.

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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 ENGINE START STOP switch.

2. Disconnect the negative battery cable.

3. Remove the front left wheel arch assembly.

4. Remove the front bumper assembly (See page 61-6).

5. Remove the left headlight assembly.

6. Remove the front left wheel house assembly.

7. Remove the front left bumper bracket.

8. 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

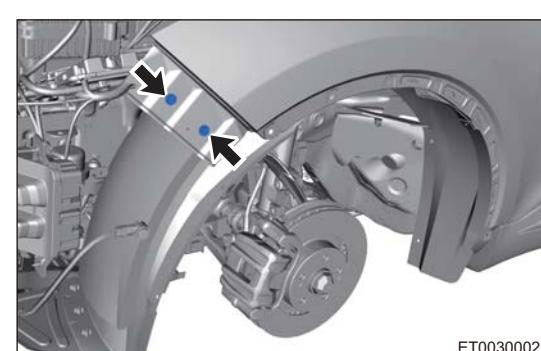
$6 \pm 1.0 \text{ N}\cdot\text{m}$



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

Tightening torque

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



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

Tightening torque

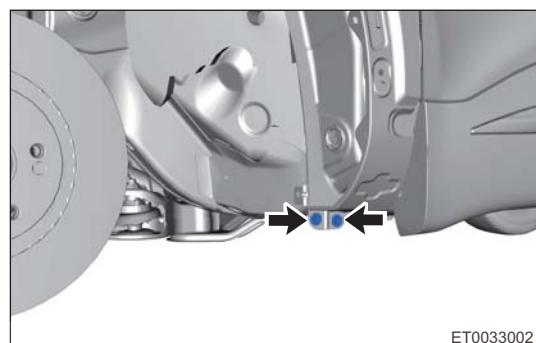
$6 \pm 1.0 \text{ N}\cdot\text{m}$



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

Tightening torque

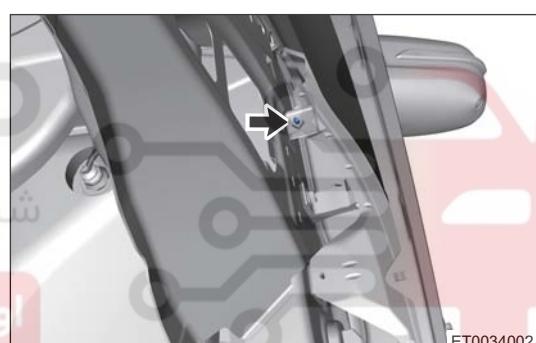
$6 \pm 1.0 \text{ N}\cdot\text{m}$



(f) Remove 1 fixing bolt (arrow) between the rear part of wing assembly and body.

Tightening torque

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



(g) 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. Remove the roof assembly (See page 62-25).

2. Remove the roof rack.

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

Tightening torque

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



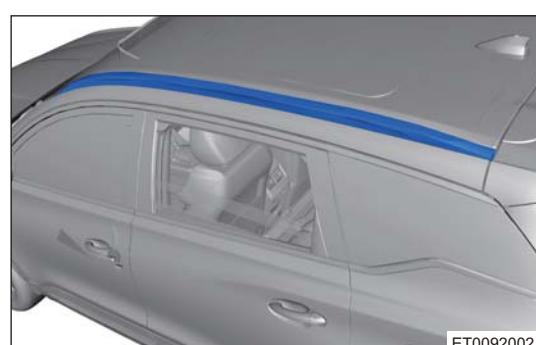
(b) Remove 1 fixing bolt (arrow) from roof rack.

Tightening torque

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



(c) Remove the roof rack.



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.
- When installing, make sure that there is no clearance between the rubber pad of roof rack and quarter, roof. Pay attention to the alignment of clearance between rubber pad and roof.

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.

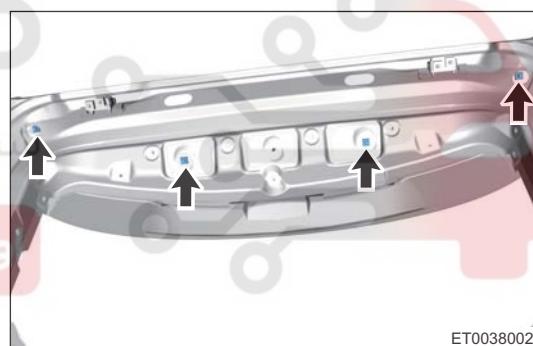
1. Turn off all electrical equipment and ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove back door upper protector assembly.
4. Remove the rear spoiler assembly.
 - (a) Using an interior crow plate, pry off trim covers (arrow) from rear spoiler.



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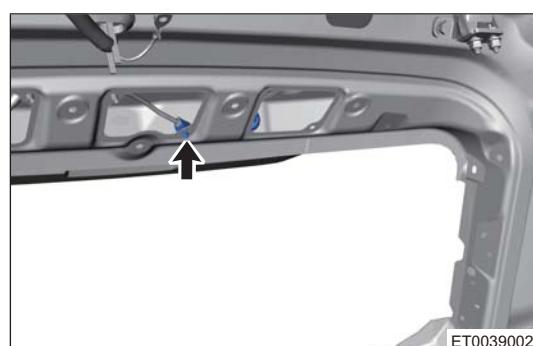
(b) Remove 4 fixing nuts (arrow) from rear spoiler assembly.

Tightening torque

 $5 \pm 1 \text{ N}\cdot\text{m}$


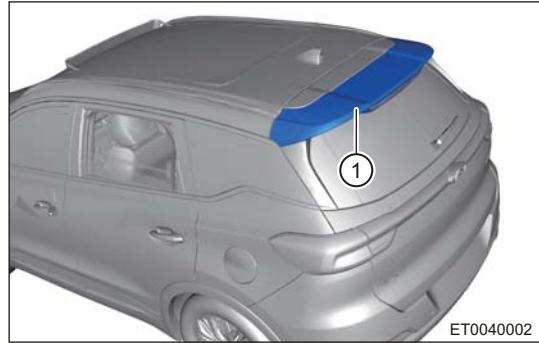
ET0038002

(c) Disconnect wire harness connector (arrow) from high mounted stop light.



ET0039002

(d) 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.

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Engine Lower Protector Assembly

Removal

Warning/Caution/Hint

Caution:

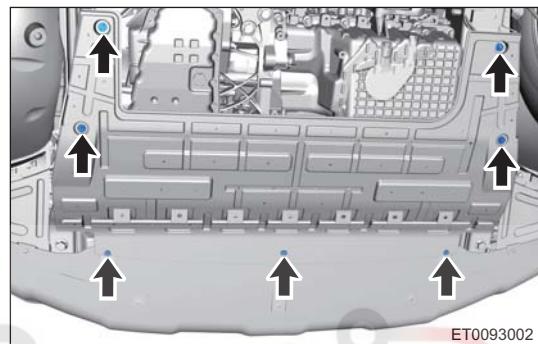
- Be sure to wear necessary safety equipment to prevent accidents, when removing engine lower protector assembly.
- Try to prevent body paint surface from being scratched, when removing engine lower protector assembly.

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

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

Tightening torque

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



61

(b) Remove the engine 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 engine lower protector assembly.
- Try to prevent body paint surface from being scratched, when installing engine lower protector assembly.

Rear Bumper Assembly

Removal

Warning/Caution/Hint

Caution:

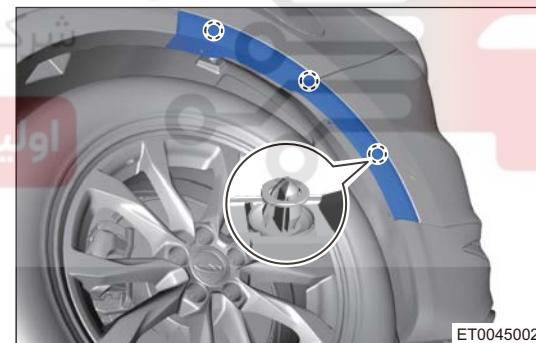
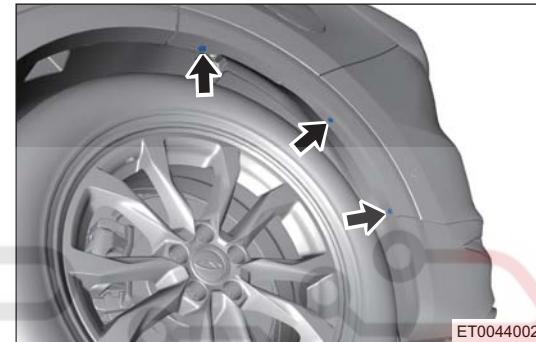
- Be sure to wear necessary safety equipment to prevent accidents, when removing rear bumper assembly.
- Appropriate force should be applied, when removing rear bumper assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when removing rear bumper assembly.

1. Turn off all electrical equipment and ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the rear combination light (fixed part).
4. Remove rear left wheel arch assembly (take left side as an example).
 - (a) Remove 3 fixing screws (arrow) from rear left wheel arch.

61

Tightening torque

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



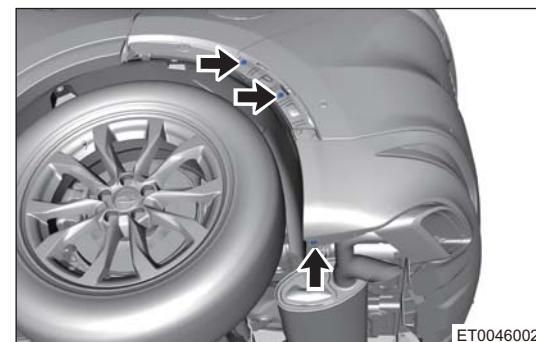
- (b) Using an interior crow plate, pry off fixing clips from rear left wheel arch.

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- (c) Remove the rear left wheel arch assembly.
5. 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

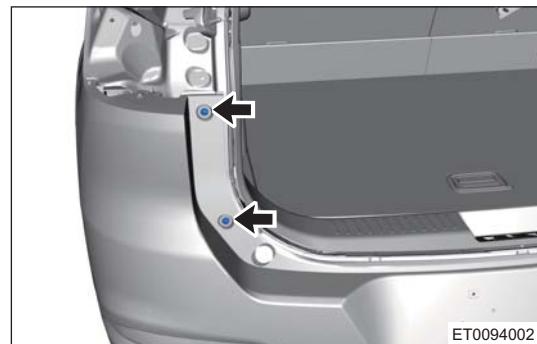
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



(b) Remove 2 fixing screws (arrow) from left side of rear bumper assembly.

Tightening torque

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

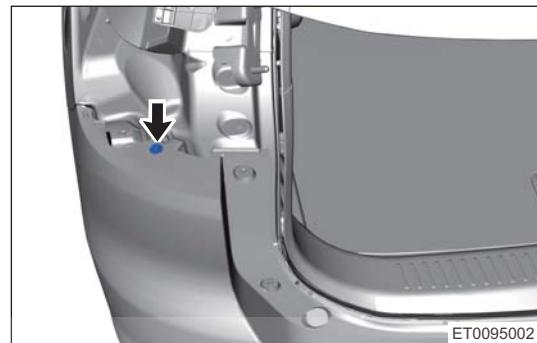


ET0094002

(c) Remove 1 fixing bolt (arrow) from upper part of rear bumper assembly.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$



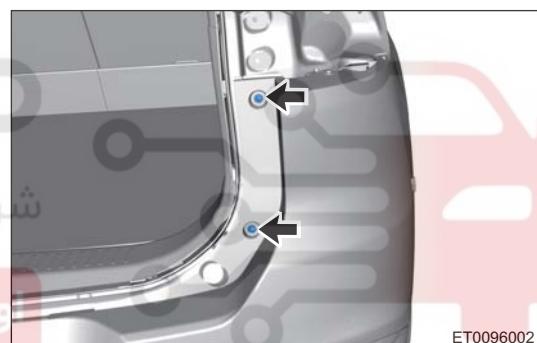
ET0095002

61

(d) Remove 2 fixing screws (arrow) from right side of rear bumper assembly.

Tightening torque

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



ET0096002

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(e) Remove 1 fixing bolt (arrow) from upper part of rear bumper assembly.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$

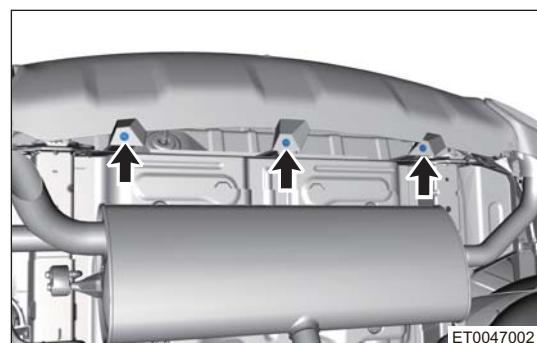


ET0097002

(f) Remove 3 fixing bolts (arrow) from lower part of rear bumper assembly.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$



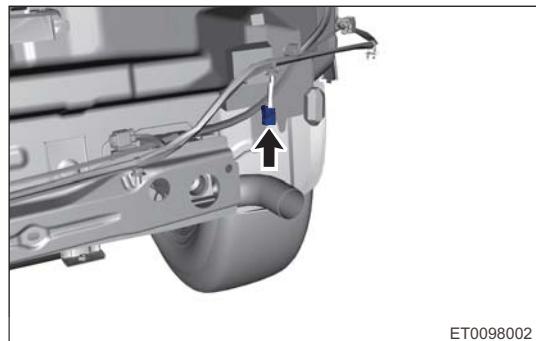
ET0047002

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



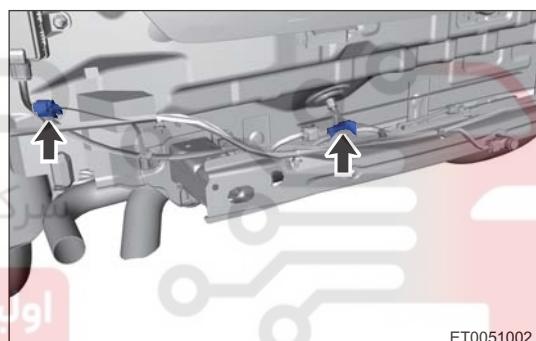
ET0050002

(h) Disconnect wire harness connector (arrow) from rear bumper.



ET0098002

(i) Disconnect wire harness connector (arrow) from rear bumper.



ET0051002

(j) Remove the rear bumper assembly.

Disassembly

Warning/Caution/Hint

Caution:

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

1. Remove the rear bumper towing hook cover.

(a) Using a screwdriver wrapped with protective tape, pry off the claw from rear bumper towing hook cover.

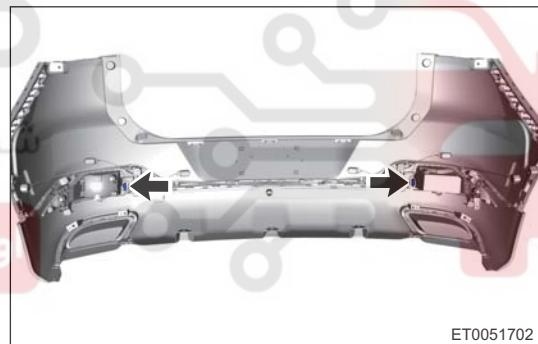


61

(b) Remove rear bumper towing hook cover from rear bumper assembly.

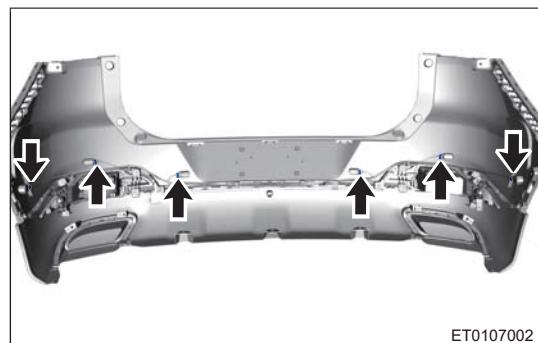
2. Remove the rear bumper wire harness assembly.

(a) Disconnect wire harness connectors (arrow) front left/right fog light.



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(b) Disconnect wire harness connectors (arrow) from radar probe.



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

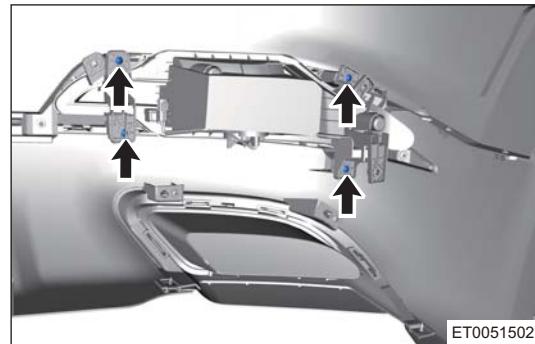
(d) Remove rear bumper wire harness assembly from rear bumper assembly.

3. Remove the rear fog light (take left side as an example).

(a) Remove 4 fixing screws (arrow) from rear fog light.

Tightening torque

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



(b) Remove rear left fog light from rear bumper assembly.

Installation

1. Installation is in the reverse order of removal.

Caution:

61

- 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 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.

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Rear Bumper Mounting Bracket

Removal

Warning/Caution/Hint

Hint:

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

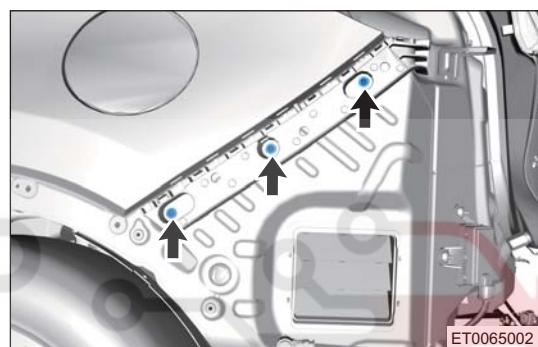
Caution:

- 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 ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the rear bumper assembly ([See page 61-26](#)).
4. Remove the rear bumper left mounting bracket.
 - (a) Remove 3 fixing screws (arrow) from rear bumper mounting bracket.

Tightening torque

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

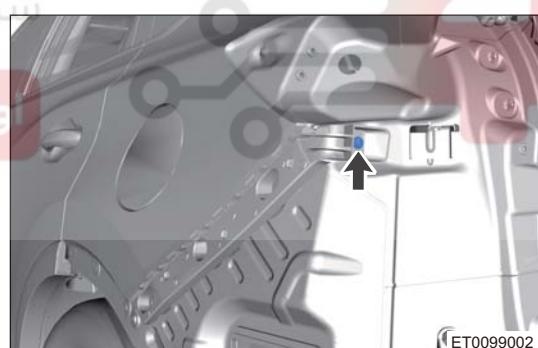


61

- (b) Remove 1 fixing screw (arrow) from rear bumper mounting bracket.

Tightening torque

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



- (c) Remove the rear bumper left mounting bracket.

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

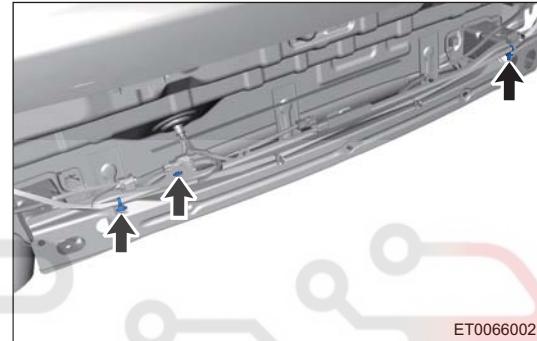
Warning/Caution/Hint

Caution:

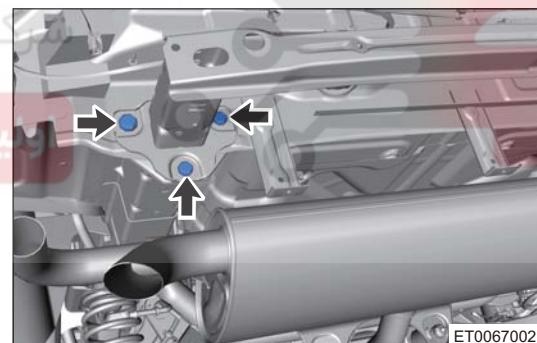
- Be sure to wear necessary safety equipment to prevent accidents, when removing rear bumper crossmember assembly.
- Try to prevent body paint surface from being scratched, when removing rear bumper crossmember assembly.

1. Turn off all electrical equipment and ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the rear bumper assembly (See page 61-26).
4. Remove the rear low frequency antenna.
5. Remove the rear bumper crossmember assembly.
 - (a) Remove fixing clips (arrow) from rear bumper crossmember upper wire harness.

61



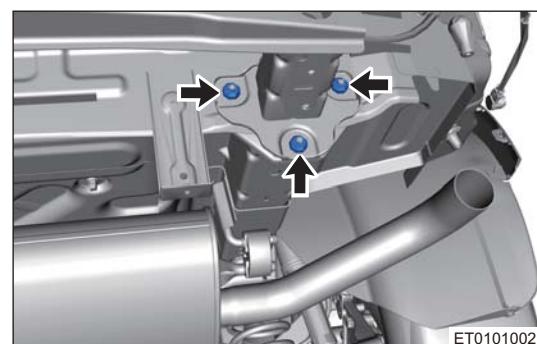
ET0066002



ET0067002

- (b) Remove 3 fixing nuts (arrow) from left side of rear bumper crossmember assembly.
- (c) Remove 3 fixing nuts (arrow) from left side of rear bumper crossmember assembly.

Tightening torque

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


ET0101002

- (d) Remove the rear bumper crossmember assembly.

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.

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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:

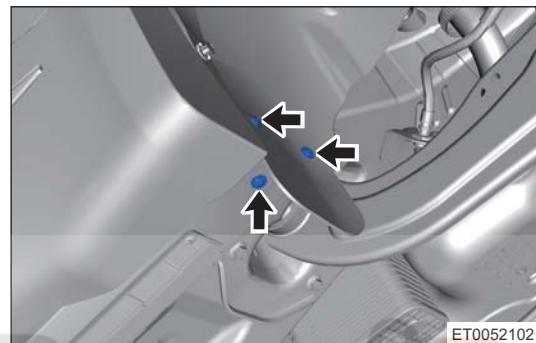
- Be sure to wear necessary safety equipment to prevent accidents, when removing side skirt protector assembly.
- Try to prevent body paint surface from being scratched, when removing side skirt protector assembly.

1. Remove the left side skirt protector assembly.

(a) Remove 3 fixing screws (arrow) from rear left wheel house choke plate.

Tightening torque

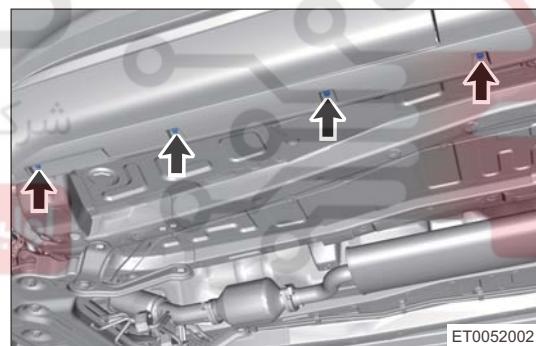
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



(b) Remove fixing screws (arrow) from left side skirt protector front part assembly.

Tightening torque

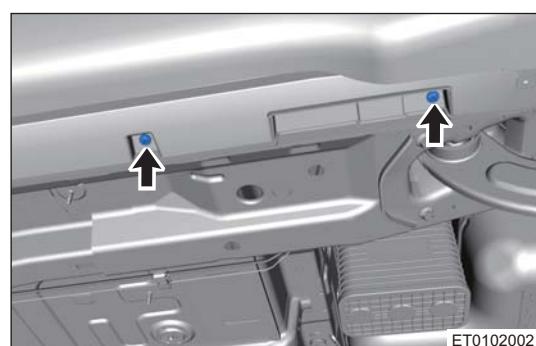
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



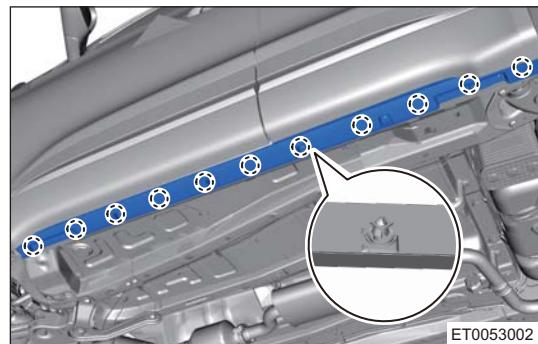
(c) Remove fixing screws (arrow) from left side skirt protector rear part assembly.

Tightening torque

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



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



(e) 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.

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Front Door Trim Panel Assembly

Removal

Warning/Caution/Hint

Hint:

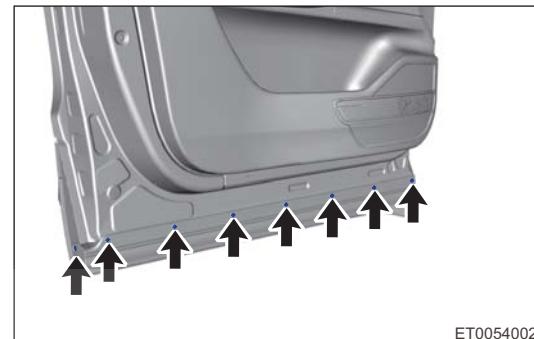
- Use same procedures for right and left sides.
- Procedures listed below are for left side.

Caution:

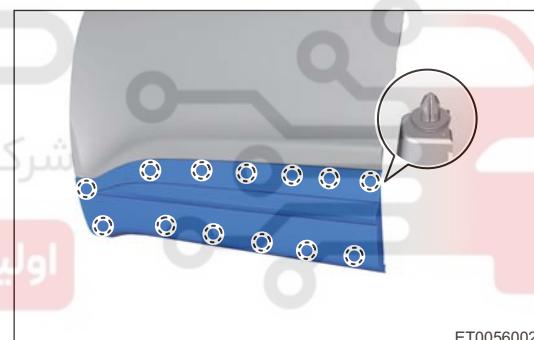
- Be sure to wear safety equipment to prevent accidents, when removing front door trim panel assembly.
- Try to prevent body paint surface from being scratched, when removing front door trim panel assembly.

1. Remove the front door trim panel assembly.

(a) Using an interior crow plate, pry off fixing clips 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.

Installation

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 left door trim panel assembly.

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



ET0058002

61

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

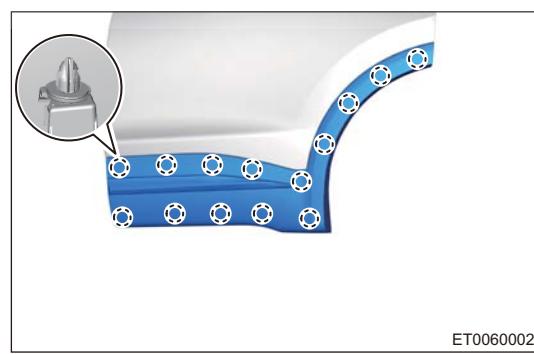
Tightening torque

$1.0 \pm 0.2 \text{ N}\cdot\text{m}$



ET0057002

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



ET0060002

(d) Remove the rear left door 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 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:

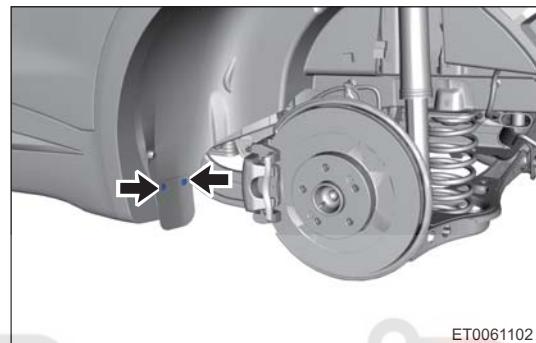
- Be sure to wear necessary safety equipment to prevent accidents, when removing rear left wheel house protector.
- Try to prevent body paint surface from being scratched, when removing rear left wheel house protector.

1. Remove the rear left wheel house protector assembly.

(a) Remove 2 connecting screws (arrow) from rear left wheel house protector and rear left wheel house choke plate.

Tightening torque

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

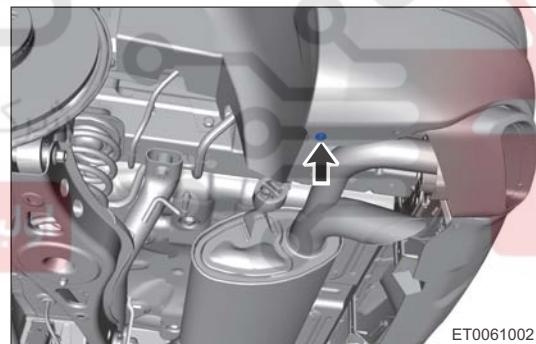


ET0061102

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

Tightening torque

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



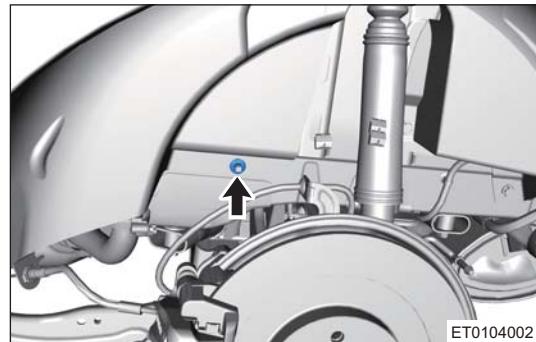
ET0061002

(c) Remove 2 plastic nuts (arrow) from rear left wheel house protector assembly.



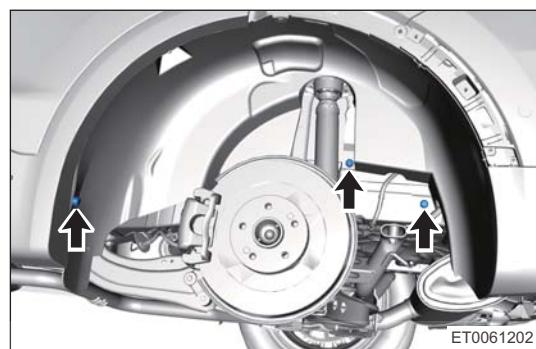
ET0103002

(d) Remove 1 plastic nut (arrow) from rear left wheel house protector assembly.



ET0104002

(e) Remove 3 snap fasteners (arrow) from rear left wheel house protector assembly.



ET0061202

(f) Remove the rear left wheel house 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 rear left wheel house protector.
- Try to prevent body paint surface from being scratched, when installing rear left wheel house protector.

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D-pillar Trim Board Assembly

Removal

Warning/Caution/Hint

Hint:

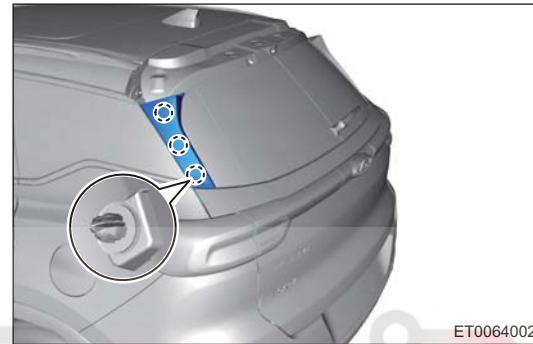
- Use same procedures for right and left sides.
- Procedures listed below are for left side.

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

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

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.

Quarter Upper Ornament Assembly

Removal

Warning/Caution/Hint

Hint:

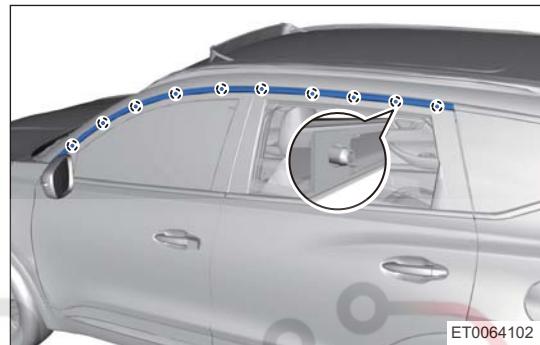
- Use same procedures for right and left sides.
- Procedures listed below are for left side.

Caution:

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

1. Remove the front left quarter ornament strip assembly.

- Using an interior crow plate, pry off fixing clips from front left quarter ornament strip.



- Remove the front left quarter ornament strip assembly.

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Installation

1. Installation is in the reverse order of removal.

Caution:

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

Name Plate

Installation

1. Installation of "CAC name plate (rear name plate)"
 - (a) Clean the places in which may be in contact with 3M glue. Do not allow any dirt or grease to remain, doing so may affect performance of 3M glue.
 - (b) Clean off release paper on the 3M double-sided tape around rear CAC name plate, hands do not contact 3M double-sided tape.
 - (c) Clip CAC dowel pin column into dowel pin hole mounted on name plate of back door decoration light assembly, apply a certain pressure (pressure: 3 kg/cm²), and prepress for 3".

Caution:

- It is recommended to heat components when ambient temperature is below 15 °C (optimal range is 25 °C to 30 °C).
- Name plate can be exposed to the rain after it is pasted for 2 hours.



2. Installation for "TIGGO name plate" and "CHERY"

- (a) Clean the places in which may be in contact with 3M glue. Do not allow any dirt or grease to remain, doing so may affect performance of 3M glue.
- (b) Clean off release paper on the 3M double-sided tape around rear CAC name plate, hands do not contact 3M double-sided tape.
- (c) Install name plate to back door metal plate, apply a certain pressure (pressure: 3 kg/cm²), and prepress for 3".

Caution:

- It is recommended to heat components when ambient temperature is below 15 °C (optimal range is 25 °C to 30 °C).
- Name plate can be exposed to the rain after it is pasted for 2 hours.

