

EXTERIOR AND WING

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دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

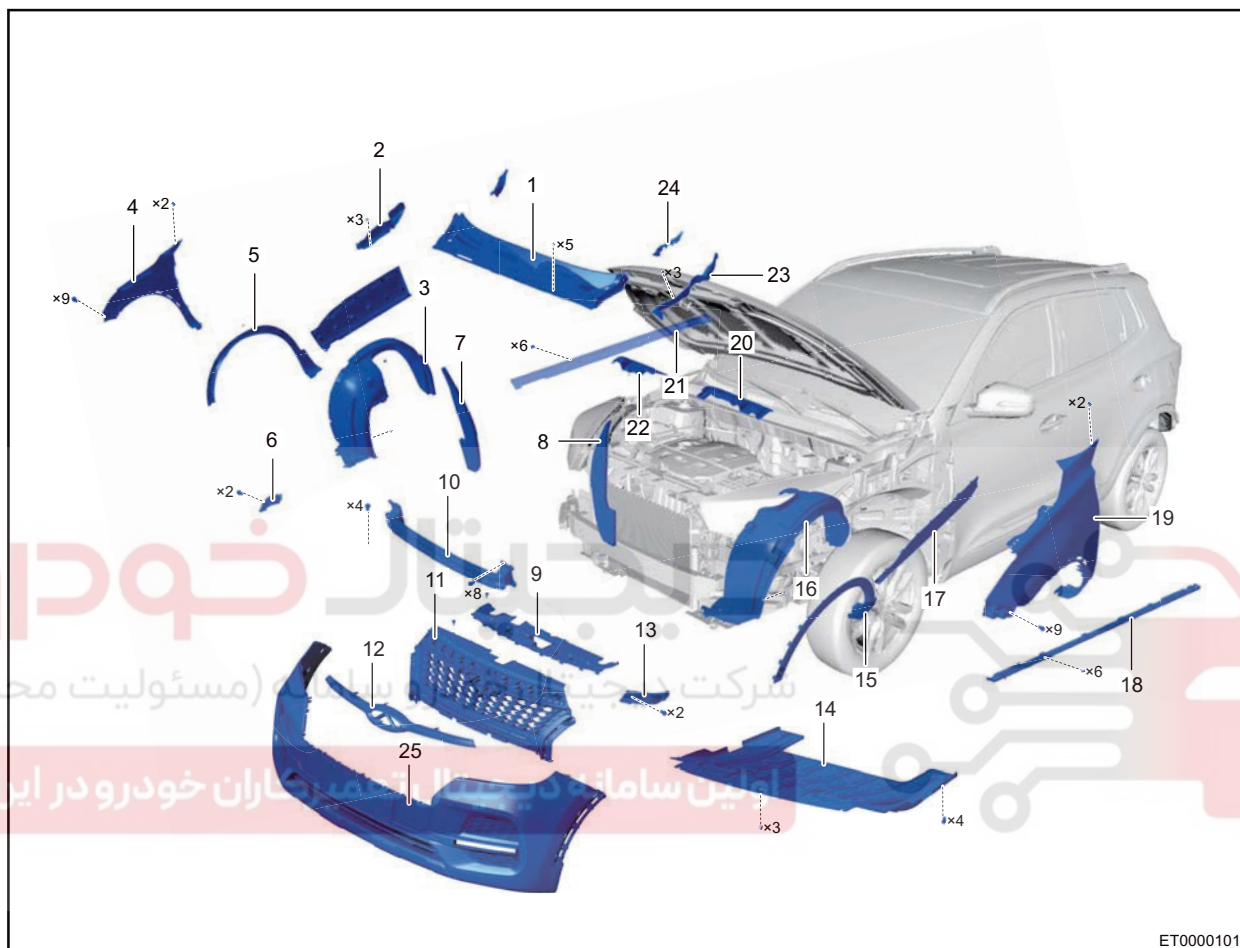


EXTERIOR AND WING

GENERAL INFORMATION

Description

Front View

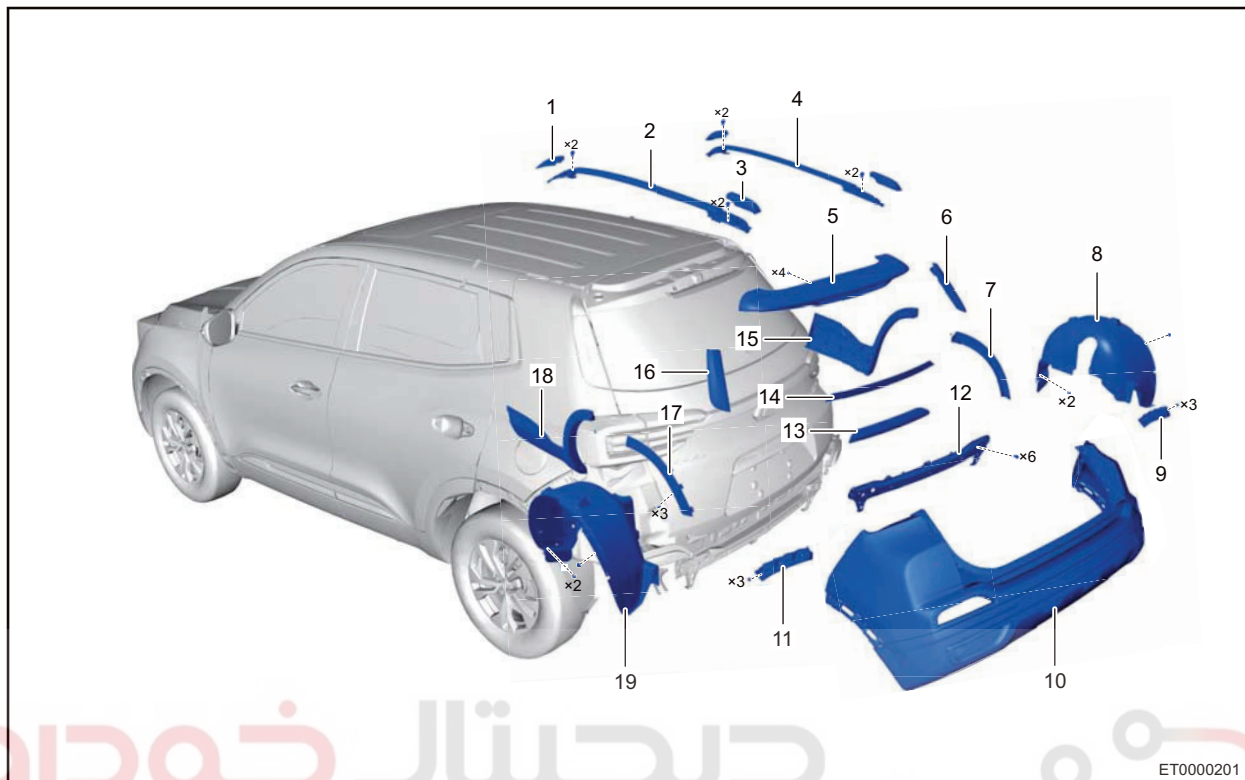


ET0000101

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 - Front Bumper Upper Trim Panel	10 - Front Bumper Crossmember Assembly
11 - Radiator Grille Assembly	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 - Left Fuel Tank Spoiler Assembly
21 - Right Skirt Protector Assembly	22 - Right Fuel Tank Spoiler Assembly
23 - Left Wing Trim Panel Assembly	24 - Front Windshield Lower Support Left Sealing Plate
25 - Front Bumper Lower Body	

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Rear View



ET0000201

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	

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

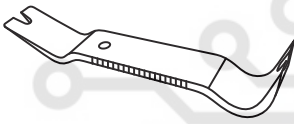
Description	Torque (N-m)
Front Bumper Assembly Fixing Screw	1.5 ± 0.5
Front Bumper Assembly Fixing Bolt	5 ± 1.0
Name Plate "CAC" Bracket Fixing Screw	1.5 ± 0.5
Front Bumper Mounting Bracket Fixing Bolt	5 ± 1.0

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Description	Torque (N·m)
Front Bumper Crossmember Assembly Fixing Nut	48 ± 7.0
Front Wheel House Protector Fixing Screw	1.5 ± 0.5
Wing Cover Plate Fixing Screw	6 ± 1.0
Wing Assembly Fixing Bolt	6 ± 1.0
Engine Lower Protector Fixing Bolt	5 ± 1.0
Rear Bumper Assembly Fixing Screw	1.5 ± 0.5
Rear Bumper Assembly Fixing Bolt	5.0 ± 1.0
Fixing Screw Between Rear Bumper Assembly and Rear Wheel House Protector	1.5 ± 0.5
Rear Bumper Mounting Bracket Fixing Bolt	1.5 ± 0.5
Rear Bumper Crossmember Assembly Fixing Nut	25 ± 3.5
Rear Wheel House Protector Fixing Screw	2.0 ± 0.5
Front Windshield Lower Support Assembly Fixing Screw	2.0 ± 0.5
Radiator Grille Assembly Fixing Screw	1.5 ± 0.5

Tool

Special Tool

Interior Crow Plate	 RCH002506
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ON-VEHICLE SERVICE

Front Bumper Assembly

Removal

Warning/Caution/Hint

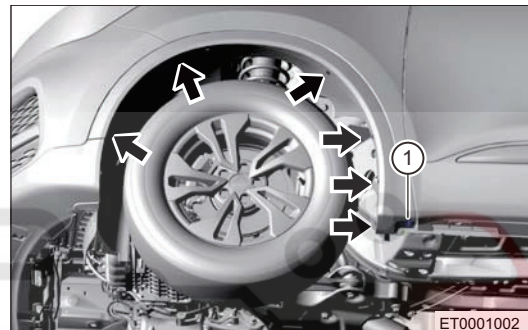
Caution:

- 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.
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) (use the same method for right side).

Tightening torque

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



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

Tightening torque

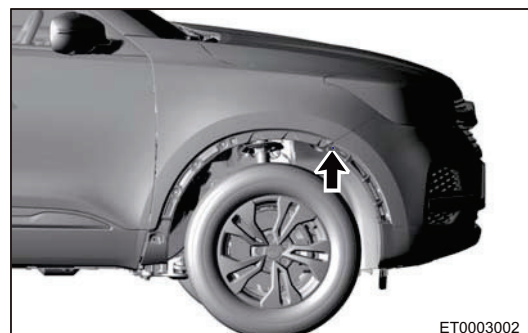
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



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

Tightening torque

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



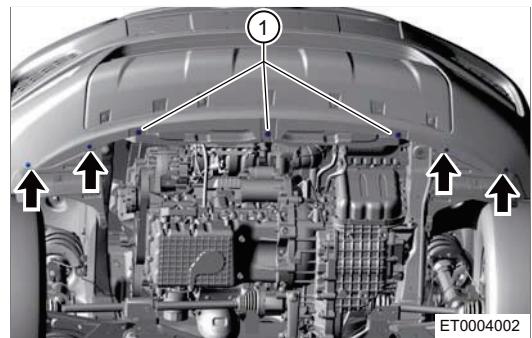
- (d) Raise vehicle, remove 3 fixing bolts (1) between lower part of front bumper assembly and body metal plate bracket. Remove 4 fixing screws (arrow) from lower parts of front left and right wheel houses.

Tightening torque

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

Tightening torque

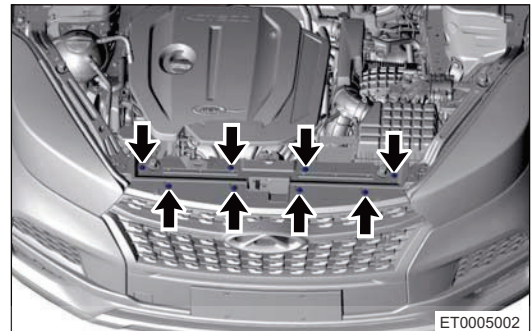
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



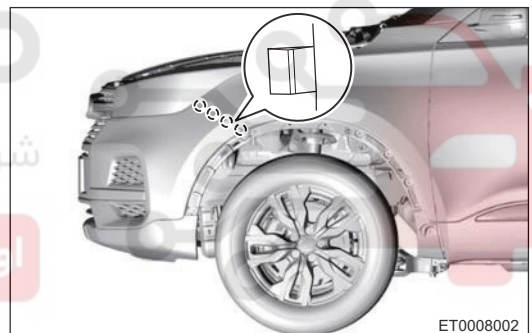
- (e) Remove 8 fixing bolts (arrow) from upper part of front bumper.

Tightening torque

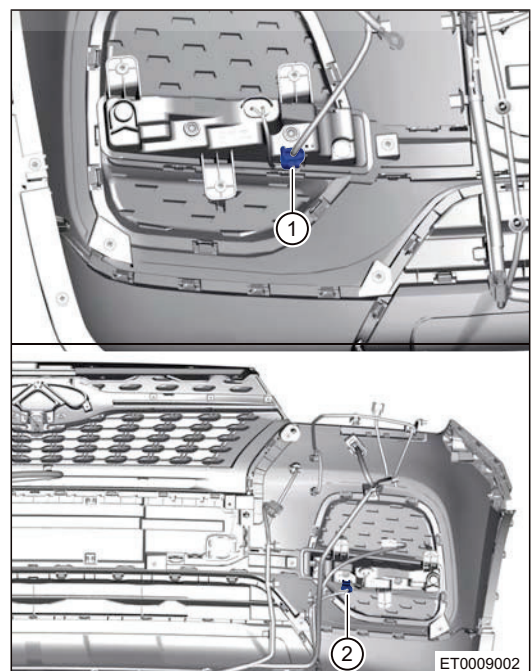
$5 \pm 1.0 \text{ N}\cdot\text{m}$



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

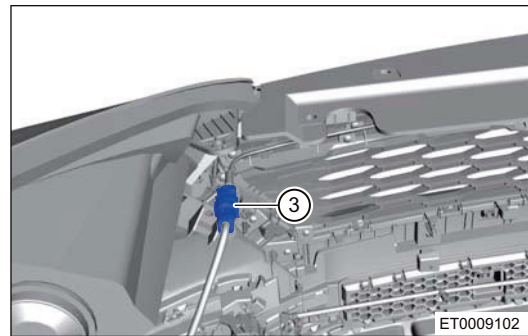


- (g) Disconnect left daytime running light wire harness connector (1) and right daytime running light wire harness connector (2).



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- (h) Disconnect the front camera wire harness connector (3).



- (i) Remove the front bumper assembly.

Installation

1. Installation is in the reverse order of removal.

Caution:

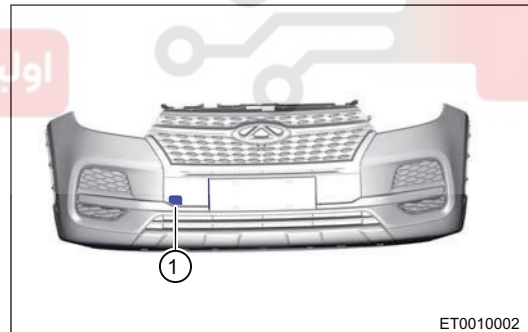
- After installing front bumper, perform panoramic image calibration.

Disassembly**Warning/Caution/Hint****Caution:**

- Be sure to wear necessary safety equipment to prevent accidents, when disassembling 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.



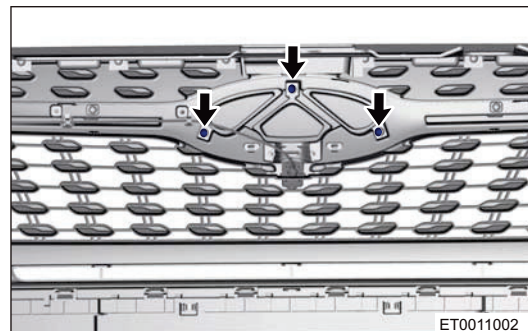
- (b) Remove the front bumper towing hook cover (1) from front bumper assembly.

2. Remove the name plate "CAC".

- (a) Remove 3 fixing screws (arrow) from name plate "CAC".

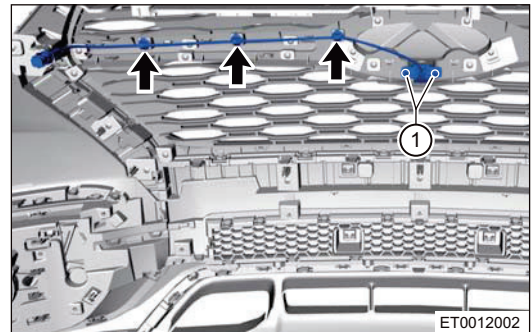
Tightening torque

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



- (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 3 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.

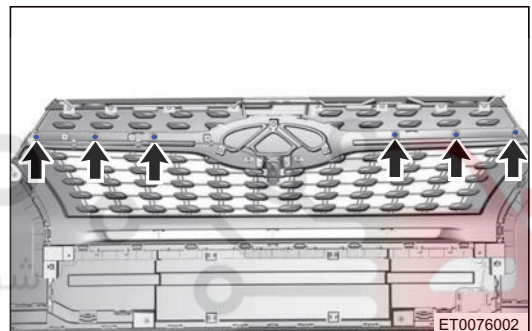
4. Remove the front grille center strip.

- (a) Remove the name plate "CAC".

- (b) Remove 6 fixing screws of center strip. (Arrow)

Tightening torque

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

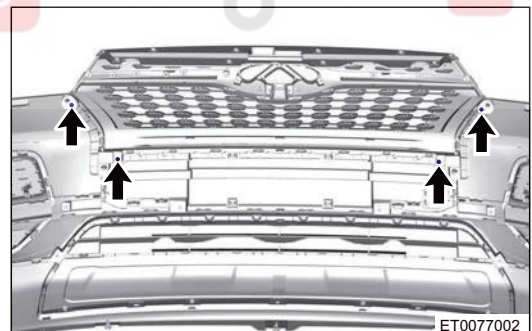


5. Remove the radiator grille housing.

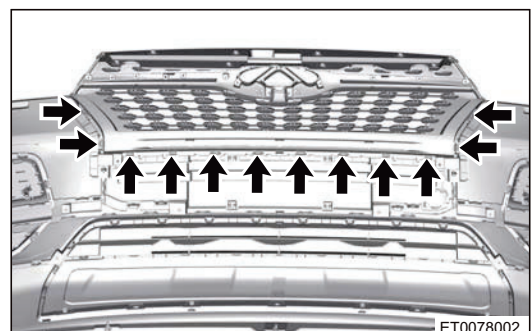
- (a) Remove 4 fixing screws (arrow) of radiator grille.

Tightening torque

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



- (b) Pry off 12 fixing claws carefully with an interior crow plate.



- (c) Remove the radiator grille.

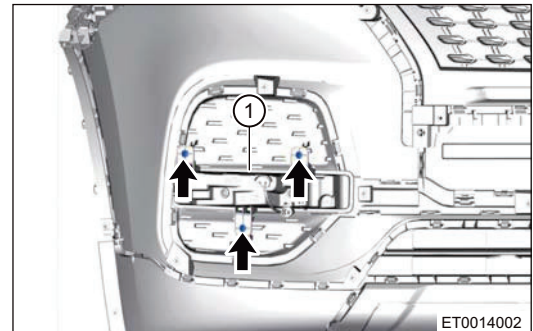
48-EXTERIOR AND WING

6. 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).

- (a) Remove 3 fixing screws (arrow) from daytime running light.

Tightening torque

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



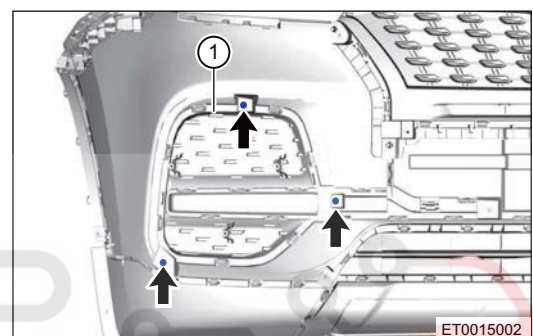
- (b) Remove the daytime running light (1)

7. Remove the front daytime running light trim cover

- (a) Remove 3 fixing screws (arrow) from daytime running light trim cover.

Tightening torque

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



- (b) Using an interior crow plate, pry off claw from daytime running light trim cover.

- (c) Remove the daytime running light trim cover (1).

Installation

1. Assembly is in the reverse order of disassembly.

Caution:

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

Removal

Warning/Caution/Hint

Hint:

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

Caution:

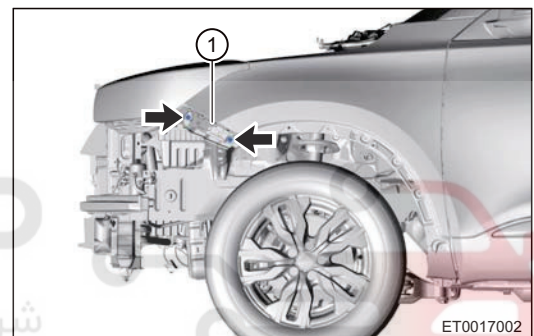
- Be sure to wear necessary safety equipment to prevent accidents, when removing front bumper mounting bracket.
- Try to prevent body paint surface from being scratched, when removing front bumper mounting bracket.

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly.
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

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



Installation

1. Installation is in the reverse order of removal.

Caution:

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

48-EXTERIOR AND WING

Front Bumper Crossmember Assembly

Removal

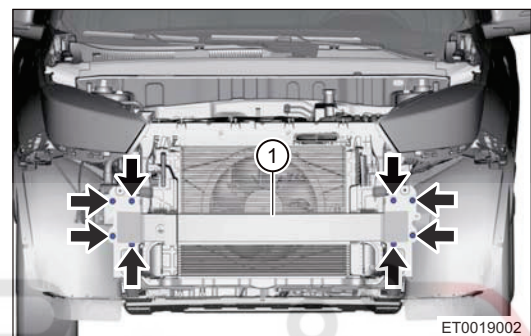
Warning/Caution/Hint

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 assembly.
 4. Remove the front bumper crossmember assembly.
 - (a) Remove 8 fixing nuts (arrow) and front bumper crossmember assembly (1).

Tightening torque

$48 \pm 7 \text{ N}\cdot\text{m}$



Installation

1. Installation is in the reverse order of removal.

Caution:

- Be sure to wear necessary safety equipment to prevent accidents, when installing 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 (Left and Right)

Removal

Warning/Caution/Hint

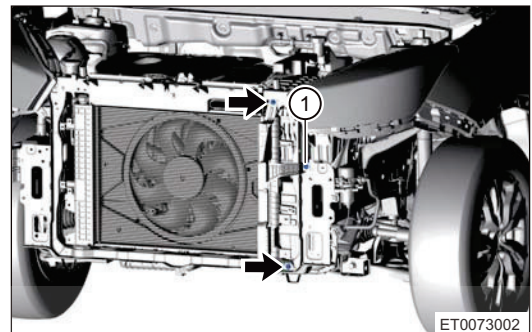
Caution:

- 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. Remove the front bumper assembly.
2. Front Bumper Crossmember Assembly
3. Remove the left air deflector assembly.
 - (a) Remove 2 fixing bolts (arrow) and 1 plastic clip (1) from left air deflector.

Tightening torque

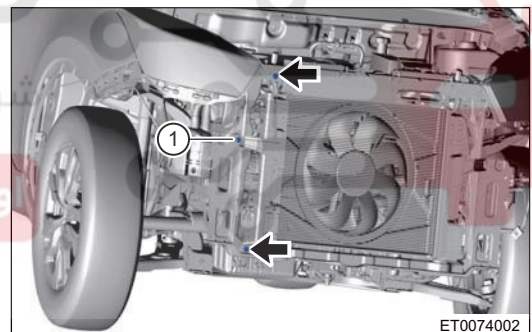
$5 \pm 1.0 \text{ N}\cdot\text{m}$



- (b) Remove the left air deflector assembly.
4. Remove the right air deflector assembly.
 - (a) Remove 2 fixing bolts (arrow) and 1 plastic 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.

Front Wheel House Protector

Removal

Warning/Caution/Hint

Hint:

1. Use same removal procedures for right and left sides.
2. Procedures listed below are for left side.

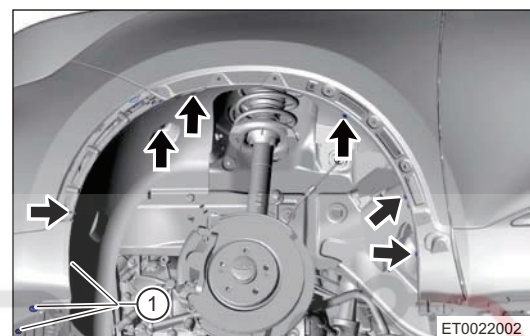
Caution:

- 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.

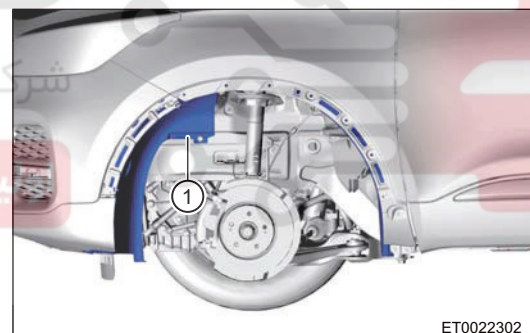
1. Remove the front left wheel arch
2. Remove the front left wheel house protector.
 - (a) Remove 6 plastic snap fasteners (arrow) and 3 screws (1) from front wheel house protector.

Tightening torque

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



- (b) 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.

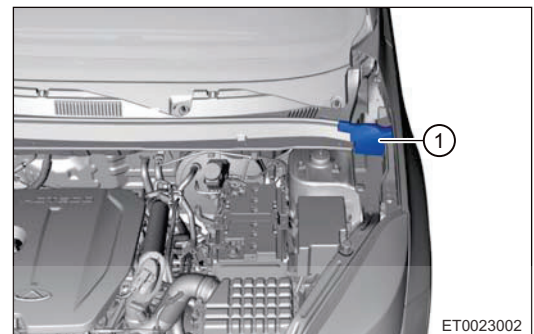
Front Windshield Lower Support Assembly

Removal

Warning/Caution/Hint

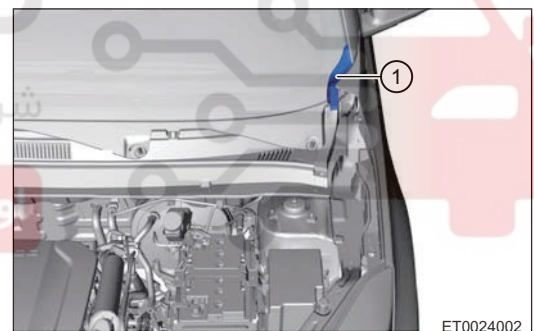
Caution:

- 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 29-85).
 2. Remove the front windshield lower support left buffer block (1) (take left side as an example).



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

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

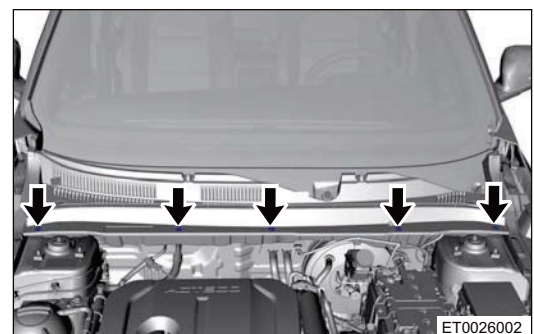


4. Remove the front windshield lower support assembly.

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

Tightening torque

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



- (b) Disconnect front wiper nozzle joint connector (arrow), remove front windshield support assembly.

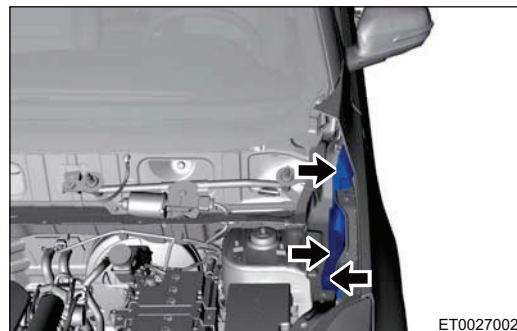
48-EXTERIOR AND WING

5. Remove the wing trim panel assembly (take left side as an example).

- (a) Remove 3 fixing screws (arrow) from left wing trim panel 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:

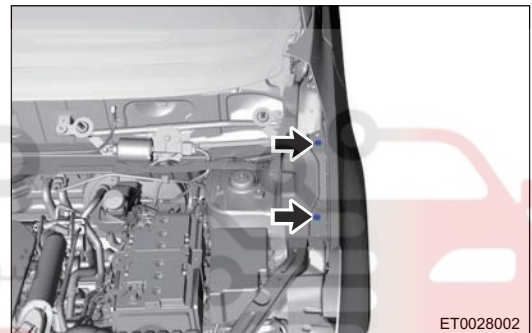
- Be sure to wear safety equipment to prevent accidents, when removing wing assembly.
- Try to prevent body paint surface from being scratched, when removing wing assembly.

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove front left wing trim panel ornament.
4. Remove the front left wheel arch assembly.
5. Remove the front bumper assembly.
6. Remove the left headlight assembly (See page 33-80).
7. Remove the left wing assembly.

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

Tightening torque

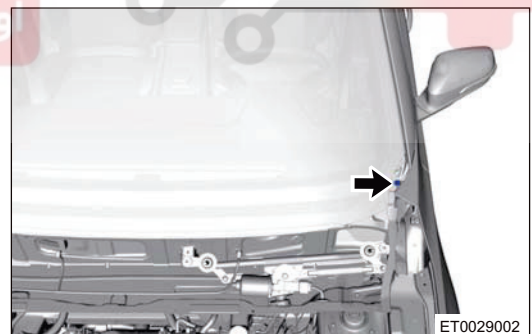
$6 \pm 1.0 \text{ N}\cdot\text{m}$



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

Tightening torque

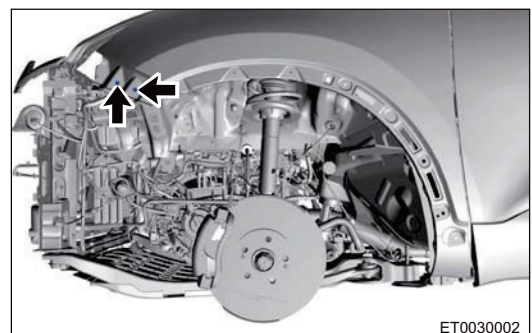
$6 \pm 1.0 \text{ N}\cdot\text{m}$



- (c) Remove 2 fixing bolts (arrow) between the front part of wing assembly and the body.

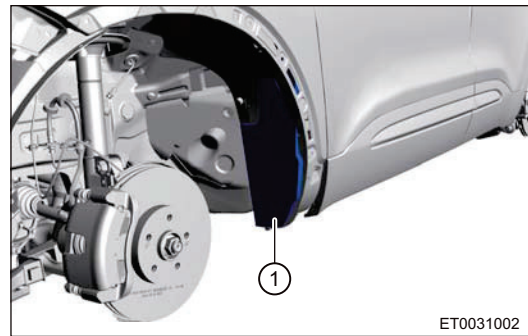
Tightening torque

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



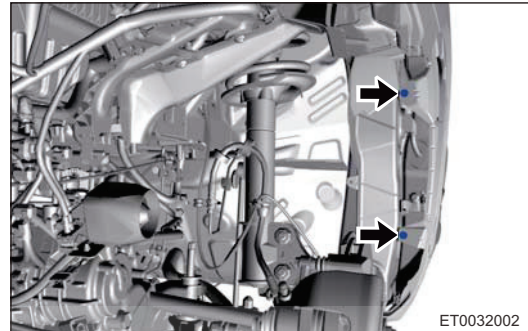
48-EXTERIOR AND WING

- (d) Remove the wing spacer (1).



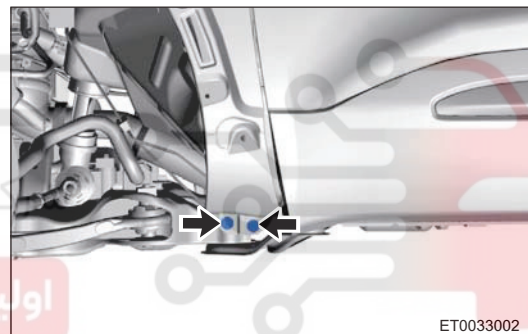
- (e) Remove 2 fixing bolts (arrow) between inner part of wing assembly and front end of vehicle body.

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



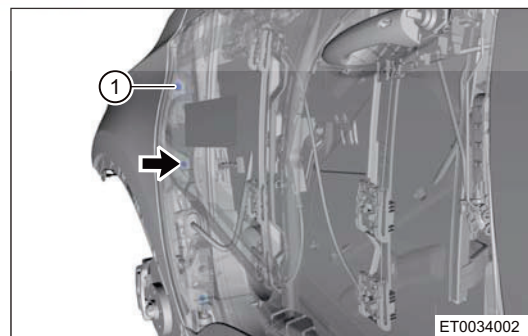
- (f) Remove 2 fixing bolts (arrow) between the lower part of wing assembly and the body.

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



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

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



- (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

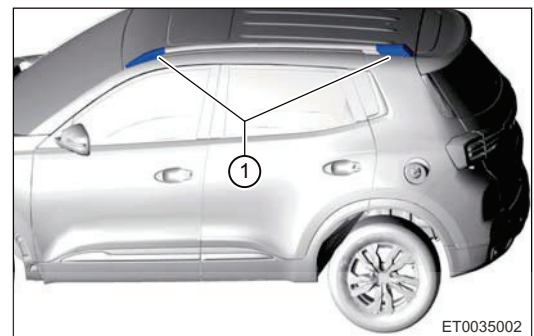
Warning/Caution/Hint

Hint:

- Use same removal procedures for right and left roof racks .
- Procedures listed below are for left side.

Caution:

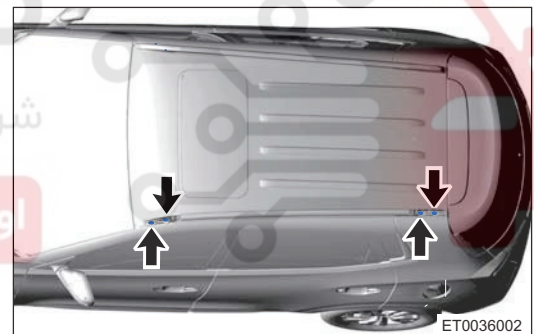
- Be sure to wear necessary safety equipment to prevent accidents, when removing roof rack.
 - Try to prevent body paint surface from being scratched, when removing roof rack.
1. Using an interior crow plate, pry off trim covers (1) from front part and rear part of roof rack.



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.

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:

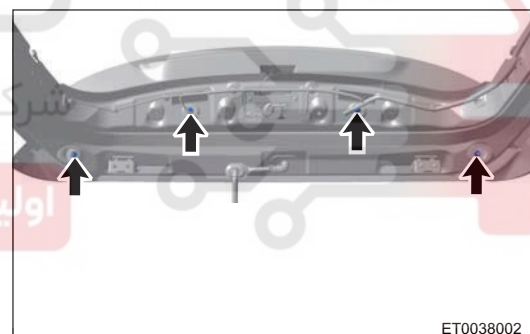
- Be sure to wear safety equipment to prevent accidents, when removing rear spoiler assembly.
 - Try to prevent body paint surface from being scratched, when removing rear spoiler assembly.
1. Turn off all electrical equipment and the engine switch.
 2. Disconnect the negative battery cable.
 3. Remove back door upper protector assembly (See page 47-38).
 4. Using an interior crow plate, pry off trim covers (arrow) from rear spoiler.



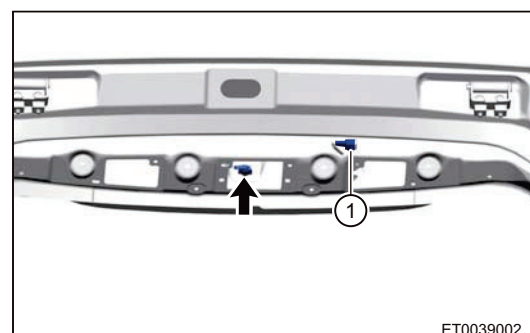
5. Remove 4 fixing nuts (arrow) from rear spoiler assembly.

Tightening torque

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



6. Disconnect wire harness connector and clip (1) and rear wiper nozzle line joint (arrow) 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

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48-EXTERIOR AND WING

Fuel Tank Spoiler

Removal

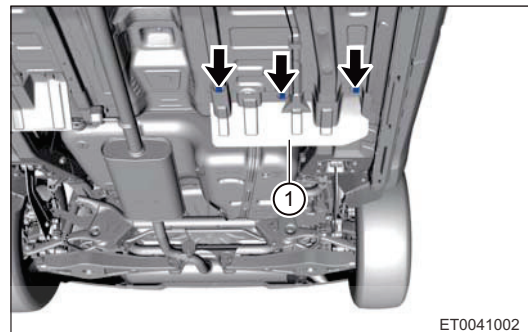
Warning/Caution/Hint

Caution:

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

1. Turn off all electrical equipment and the engine switch.
2. Disconnect the negative battery cable.
3. Remove the left fuel tank spoiler assembly.

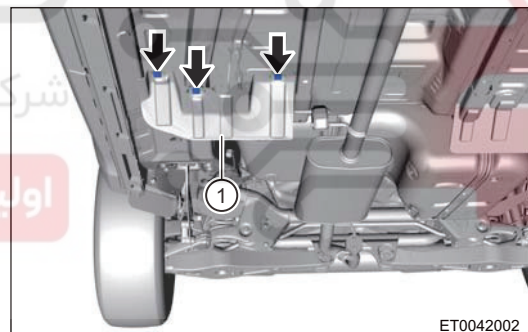
- (a) Remove 3 fixing bolts (arrow) from left fuel tank spoiler assembly.

Tightening torque
 $3.5 \pm 0.5 \text{ N}\cdot\text{m}$


- (b) Remove the left fuel tank spoiler assembly (1).

4. Remove the right fuel tank spoiler assembly.

- (a) Remove fixing bolts (arrow) from right fuel tank spoiler assembly.

Tightening torque
 $3.5 \pm 0.5 \text{ N}\cdot\text{m}$


- (b) Remove the right fuel tank spoiler assembly (1).

Installation

1. Installation is in the reverse order of removal.

Caution:

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

Water Tank Lower Protector

Removal

Warning/Caution/Hint

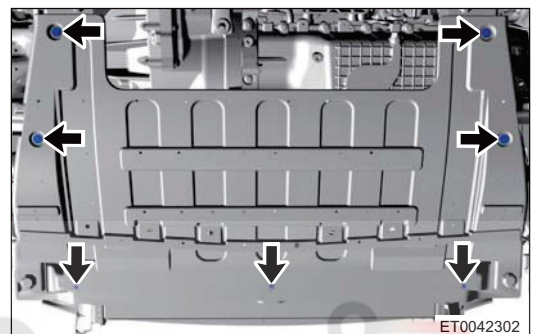
Caution:

- 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.

48—EXTERIOR AND WING

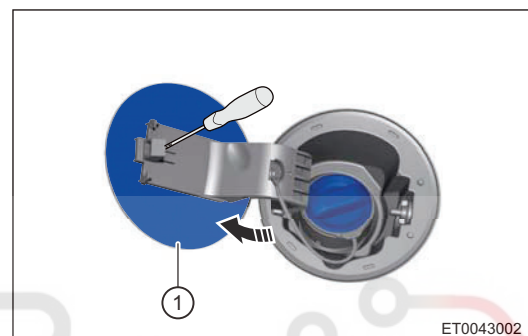
Fuel Filler Cap Assembly

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 cover assembly.
 2. Remove the fuel filler cap assembly.
 3. Using a flat tip screwdriver wrapped with protective tape, pry off fixing clip from fuel filler cap outer panel.



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

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 47-38](#)).
 4. Remove rear wheel arch assembly (take left side as an example).

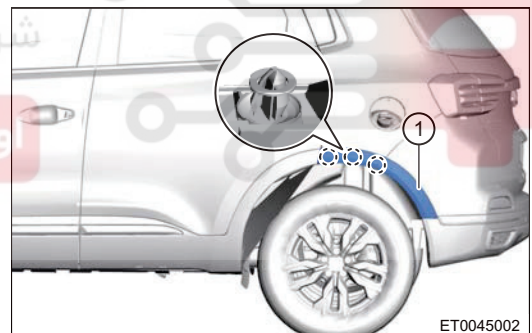
- (a) Remove 3 fixing screws (arrow) from rear left wheel arch.

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.



- (c) Remove the rear left wheel arch assembly (1).

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

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

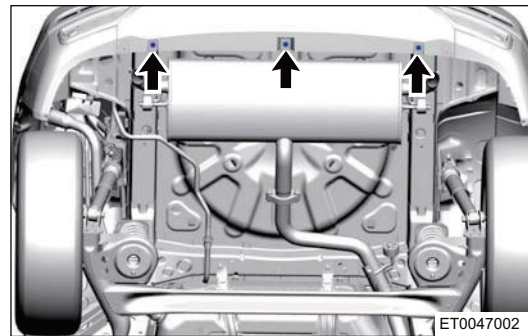


48—EXTERIOR AND WING

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

Tightening torque

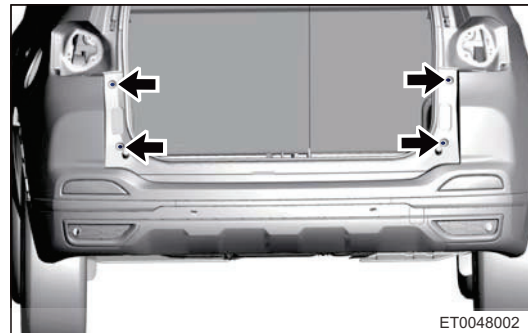
$2 \pm 0.5 \text{ N}\cdot\text{m}$



- (c) Remove 4 fixing bolts (arrow) from the upper part of rear bumper assembly.

Tightening torque

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



- (d) Remove 4 fixing bolts (arrow) from lower end of rear combination light.

Tightening torque

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



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



- (f) Disconnect rear bumper assembly connector (arrow), disconnect low frequency antenna connector (arrow) and remove rear bumper assembly.



Disassembly

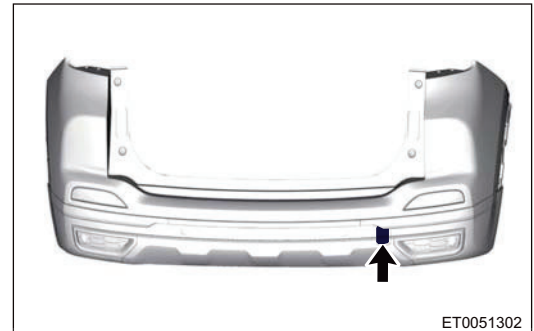
Warning/Caution/Hint

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 (arrow) on rear bumper towing hook cover.



ET0051302

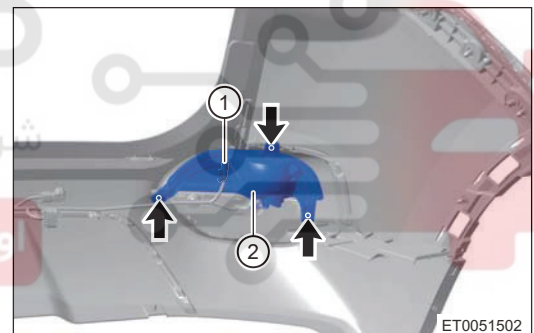
- (b) Remove rear bumper towing hook cover from rear bumper assembly.

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

- (a) Remove 3 fixing screws (arrow) from rear fog light.

Tightening torque

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

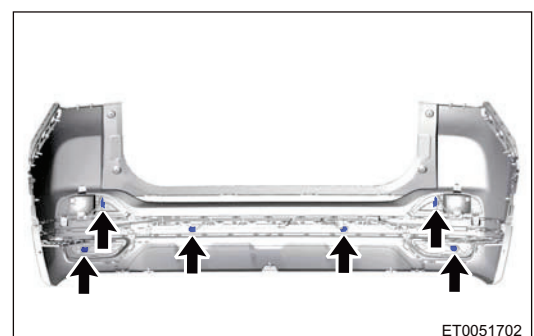


ET0051502

- (b) Disconnect fog light wire harness connector (1).
 (c) Remove the rear left fog light (2) from rear bumper assembly.

3. Remove the rear bumper wire harness assembly.

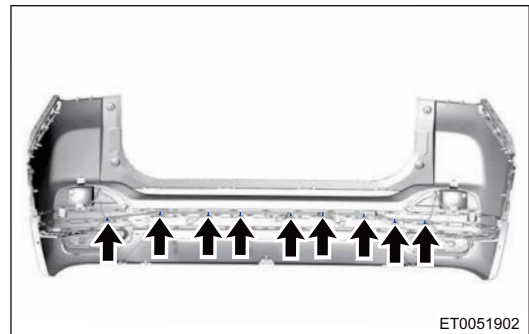
- (a) Disconnect 2 fog lights and 4 radar probe connectors (arrow).



ET0051702

48-EXTERIOR AND WING

- (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 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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Side Skirt Protector Assembly

Removal

Warning/Caution/Hint

Hint:

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

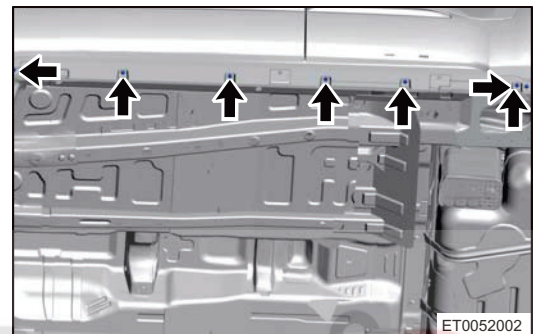
Caution:

- 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.

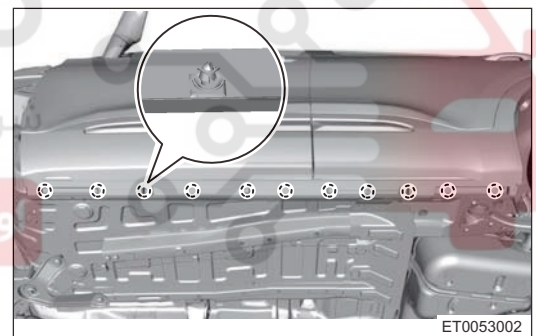
1. Remove the left side skirt protector assembly.
 - (a) Remove 7 fixing screws (arrow) from left side skirt protector assembly.

Tightening torque

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



- (b) Using an interior crow plate, pry off 11 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.

48-EXTERIOR AND WING

Front Door Trim Panel Assembly

Removal

Warning/Caution/Hint

Hint:

Use same procedures for right and left sides.

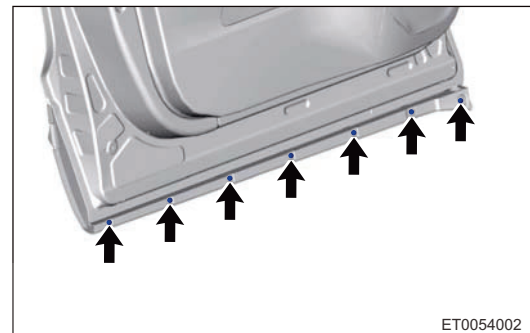
Procedures listed below are for left side.

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.

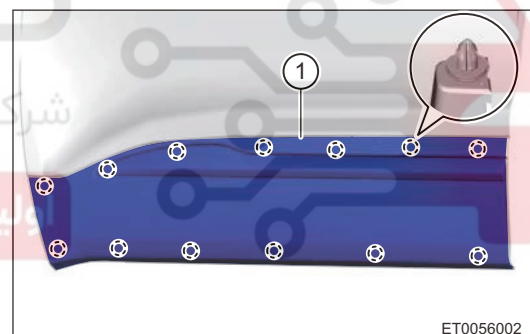
1. Remove the front door trim panel assembly.

- (a) Remove 7 fixing screws (arrow) from lower end of inner side of front door trim panel.



- (b) Remove the front door lower fixing strips.

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



- (d) Remove the front 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 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) Remove 2 fixing screws (arrow) from rear door trim panel assembly.

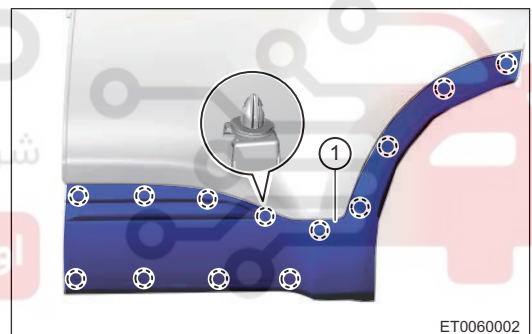
Tightening torque

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



ET0057002

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



ET0060002

- (c) 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

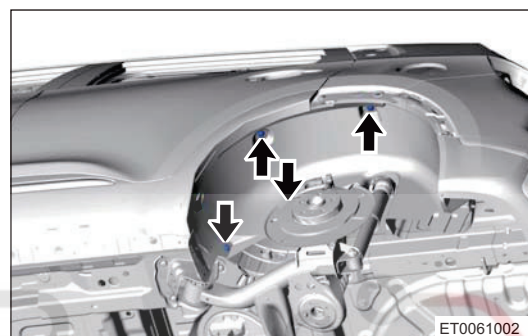
Hint:

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

Caution:

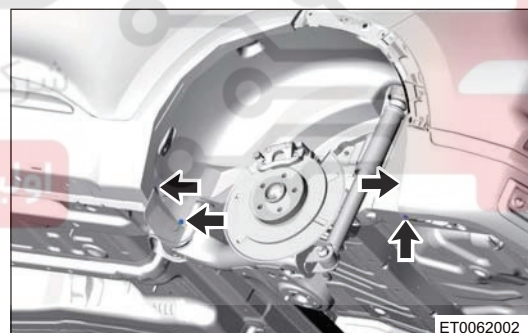
- Be sure to wear necessary safety equipment to prevent accidents, when removing rear wheel house protector.
- Try to prevent body paint surface from being scratched, when removing rear wheel house protector.

1. Remove rear wheel arch assembly.
2. Remove the rear wheel house protector assembly.
 - (a) Remove 4 plastic nuts (arrow) from rear wheel house protector assembly.

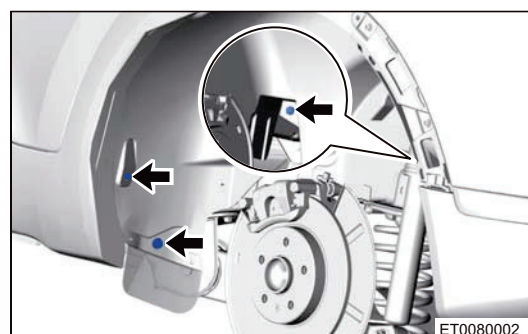


- (b) Remove 4 fixing screws (arrow) from rear wheel house protector assembly.

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



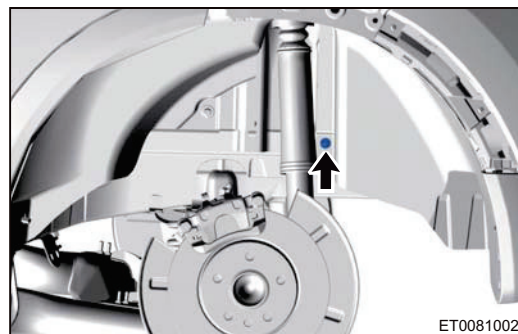
- (c) Remove 3 snap fasteners (arrow) from rear wheel house protector assembly.



- (d) Remove fixing bolt (arrow) from rear wheel house protector assembly.

Tightening torque

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



- (e) Remove the rear 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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48-EXTERIOR AND WING

D-pillar Trim Board Assembly

Removal

Warning/Caution/Hint

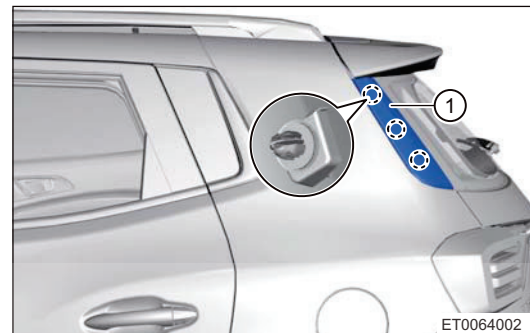
Hint:

- 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.



- (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:

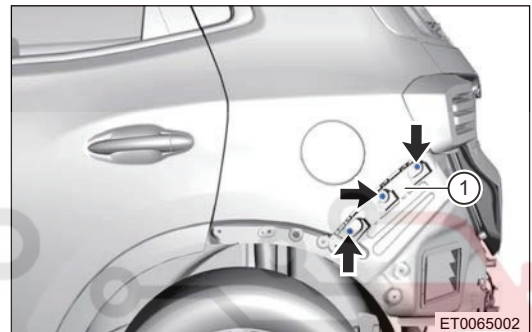
- Use same procedures for right and left sides.
- Procedures listed below are for left side.

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.
 4. Remove the rear bumper left mounting bracket.
 - (a) Remove 3 fixing screws (arrow) from rear bumper mounting bracket, and remove rear bumper left mounting bracket (1).

Tightening torque

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



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 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:

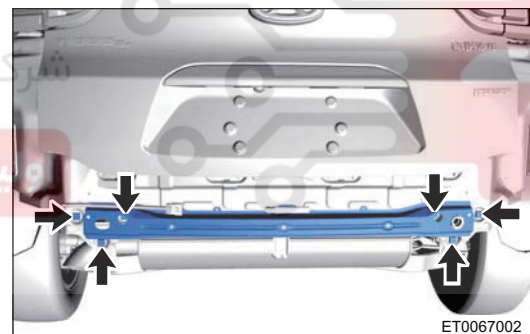
- Be sure to wear necessary safety equipment to prevent accidents, when removing rear bumper crossmember assembly.
 - Try to prevent body paint surface from being scratched, when removing rear bumper crossmember assembly.
1. Turn off all electrical equipment and the engine switch.
 2. Disconnect the negative battery cable.
 3. Remove the rear bumper assembly.
 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

$25 \pm 3.5 \text{ N}\cdot\text{m}$



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

Removal

Warning/Caution/Hint

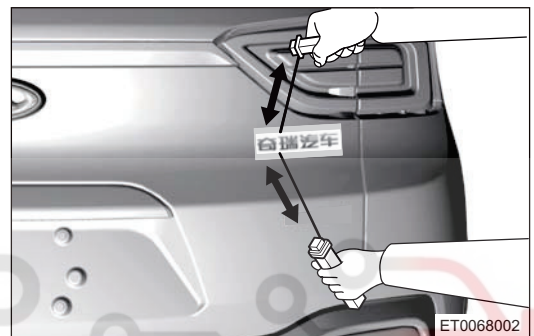
Hint:

- Use same procedures for front name plate "CAC", rear name plate "CAC", name plate "Tiggo5x" and name plate "CHERY".
- Procedures listed below are for name plate "CHERY".

Caution:

- If name plate "CHERY" is to be reused, be careful not to damage it.
- Try to prevent body paint surface from being scratched, when removing name plate "CHERY".

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



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

Installation

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

Caution:

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

48-EXTERIOR AND WING

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

- (a) When attaching name plate "CHERY", keep it horizontal and centered.



- (b) Vertical distance "a" between the lower side of name plate "CHERY" and the lower side of luggage compartment door is 90 ± 5 mm
 (c) Vertical distance "b" between the right side of name plate "CHERY" and the right side of luggage compartment door is 45 ± 5 mm

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

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

6. Installation distance ranges for rear name plate "Tiggo5x" are as follows:

- (a) When attaching name plate "Tiggo5x", keep it horizontal and centered.



- (b) Vertical distance "a" between the lower side of name plate "Tiggo5x" and the lower side of luggage compartment door is 86 ± 5 mm
 (c) Vertical distance "b" between the left side of name plate "Tiggo5x" and the left side of luggage compartment door is 40 ± 5 mm