

EXTERIOR

GENERAL INFORMATION	51-3	Wing Assembly	51-18
Overview	51-3	Removal	51-18
Description	51-3	Installation	51-20
Specifications	51-4	Water Tank Lower Protector	51-20
Tool	51-5	Removal	51-20
ON-VEHICLE SERVICE	51-6	Installation	51-20
Front Bumper Assembly	51-6	Engine Lower Protector	51-21
Removal	51-6	Removal	51-21
Disassembly	51-8	Installation	51-21
Assembly	51-10	Fuel Filler Cap Assembly	51-22
Installation	51-10	Removal	51-22
Front Bumper Mounting Bracket	51-11	Installation	51-22
Removal	51-11	Side Skirt Protector Assembly	51-23
Installation	51-11	Removal	51-23
Front Bumper Crossmember		Installation	51-23
Assembly	51-12	Rear Wheel House Protector	51-24
Removal	51-12	Removal	51-24
Installation	51-12	Installation	51-24
Air Deflector	51-13	Rear Bumper Assembly	51-25
Removal	51-13	Removal	51-25
Installation	51-13	Disassembly	51-26
Front Wheel House Wind Deflector	51-14	Assembly	51-28
Removal	51-14	Installation	51-28
Installation	51-14	Rear Bumper Mounting Bracket	51-29
Front Wheel House Protector	51-15	Removal	51-29
Removal	51-15	Installation	51-29
Installation	51-16	Rear Bumper Crossmember	
Front Windshield Lower Support		Assembly	51-30
Assembly	51-16	Removal	51-30
Removal	51-16	Installation	51-30
Installation	51-17	Name Plate	51-31
		Removal	51-31
		Installation	51-31

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

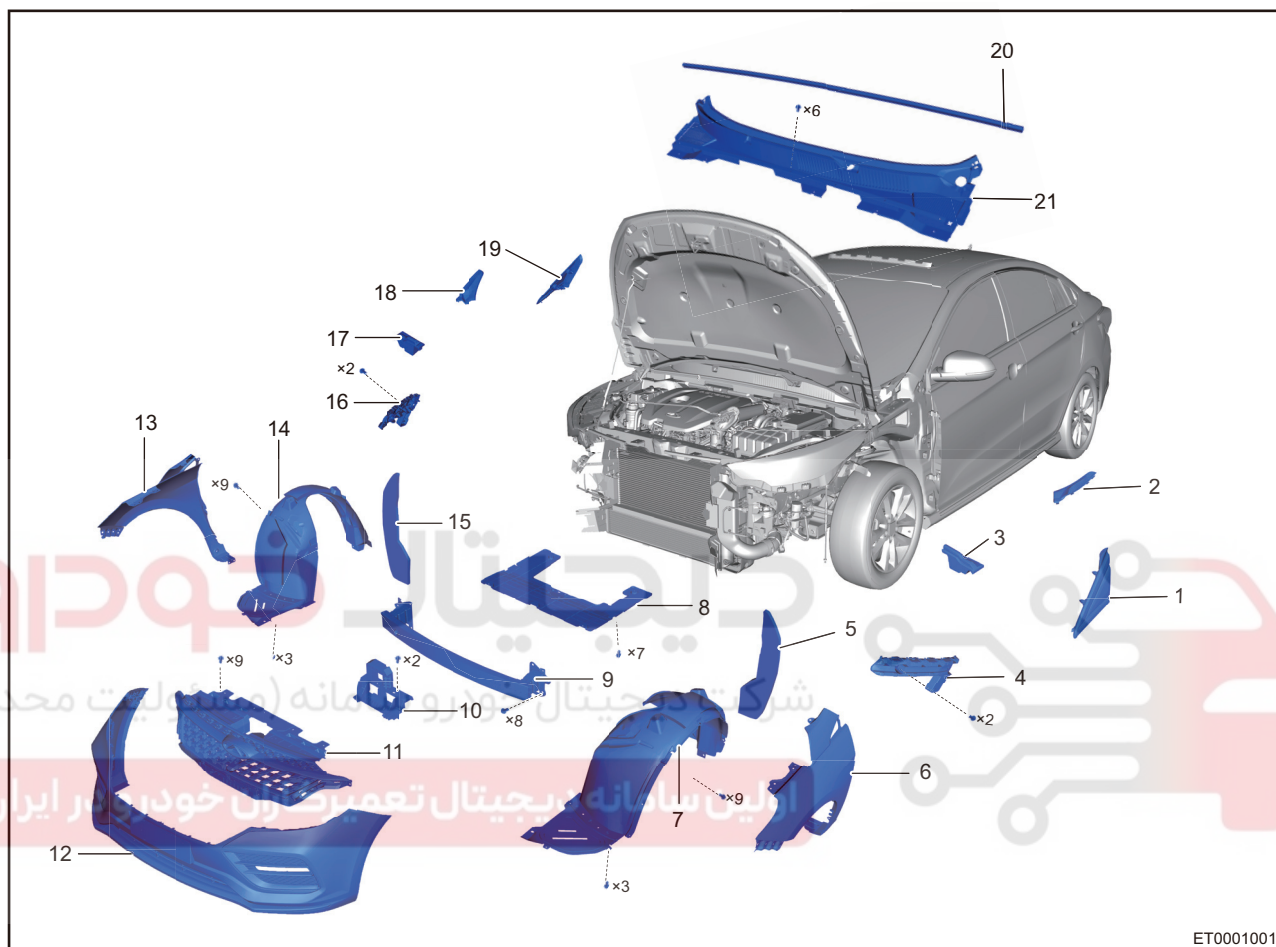


GENERAL INFORMATION

Overview

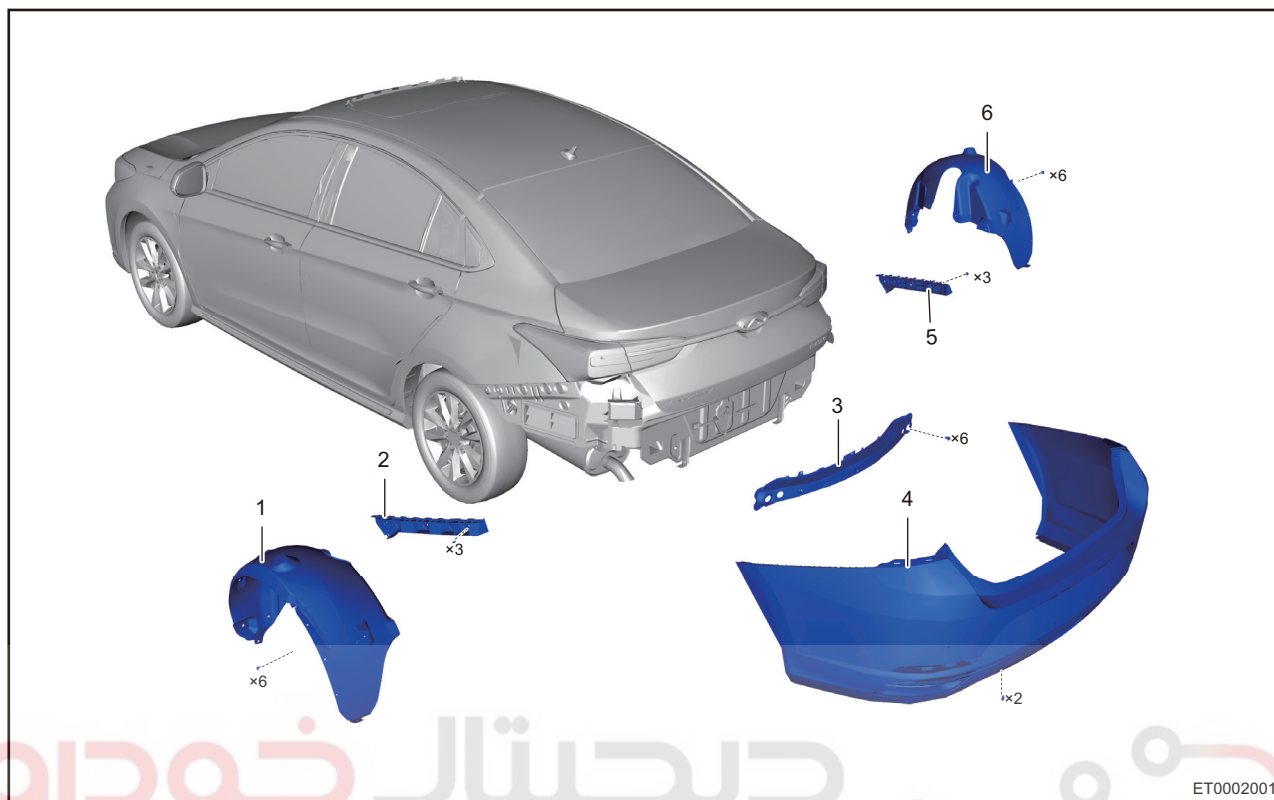
Description

Front View



1 - Front Left Triangular Plate Assembly	2 - Front Windshield Lower Support Left Sealing Plate
3 - Front Windshield Lower Support Left Cushion	4 - Front Bumper Left Mounting Bracket
5 - Front Left Wing Spacer	6 - Left Wing Assembly
7 - Front Left Wheel House Protector	8 - Engine Lower Protector
9 - Front Bumper Beam Assembly	10 - Front Bumper Center Bracket
11 - Radiator Grille Assembly	12 - Front Bumper Assembly
13 - Right Wing Assembly	14 - Front Right Wheel House Protector
15 - Front Right Wing Spacer	16 - Front Bumper Right Mounting Bracket
17 - Front Windshield Lower Support Right Cushion	18 - Front Windshield Lower Support Right Sealing Plate
19 - Front Right Triangular Plate Assembly	20 - Front Windshield Lower Support Weatherstrip
21 - Front Windshield Lower Support Assembly	

Rear View



1 - Rear Left Wheel House Protector	2 - Rear Bumper Left Mounting Bracket
3 - Rear Bumper Crossmember Assembly	4 - Rear Bumper Assembly
5 - Rear Bumper Right Mounting Bracket	6 - Rear Right Wheel House Protector

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, front wheel house protector, front wheel arch, wing assembly, side skirt protector assembly, door trim panel assembly, water tank lower protector, 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, etc.

Specifications

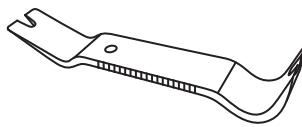
Torque Specifications

Description	Torque (N·m)
Front Bumper Assembly Fixing Screw	1.5 ± 0.5
Front Bumper Assembly Fixing Bolt	5 ± 1.0
Front Bumper Mounting Bracket Fixing Bolt	5 ± 1.0
Front Bumper Center Bracket Fixing Bolt	5 ± 1.0
Front Bumper Crossmember Assembly Fixing Nut	25 ± 2.0
Front Bumper Upper Fixing Bolt	3 ± 0.5
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
Water Tank Lower Protector Fixing Bolt	5 ± 0.5
Rear Bumper Assembly Fixing Screw	1.5 ± 0.5
Rear Bumper Assembly Fixing Bolt	5.0 ± 1.0

Description	Torque (N·m)
Fixing Screw Between Rear Bumper Assembly and Rear Wheel House Protector	1.5 ± 0.5
Rear Bumper Mounting Bracket Fixing Screw	5 ± 1.0
Rear Bumper Crossmember Assembly Fixing Nut	25 ± 2.0
Rear Wheel House Protector Fixing Screw	1.5 ± 0.5
Front Windshield Lower Support Assembly Fixing Screw	2.0 ± 0.5

Tool

Special Tool

Interior Crow Plate	CH-10008	 025
---------------------	----------	---

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



ON-VEHICLE SERVICE

Front Bumper Assembly

Removal

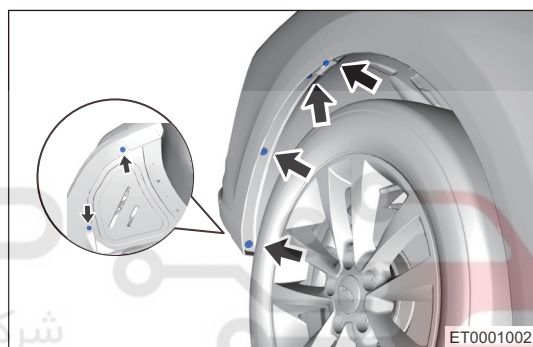
Warning/Caution/Hint

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

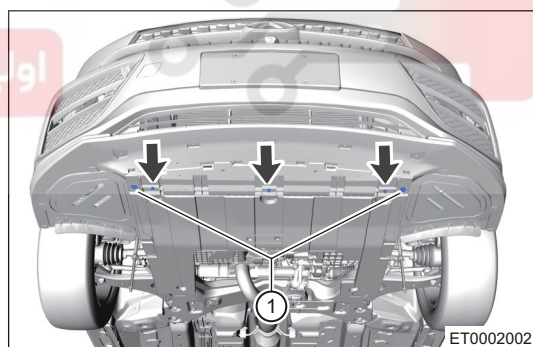
- (a) Raise vehicle with a lift, and remove 6 fixing screws (arrow) between front bumper assembly and front wheel house protector (take left side as an example).

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



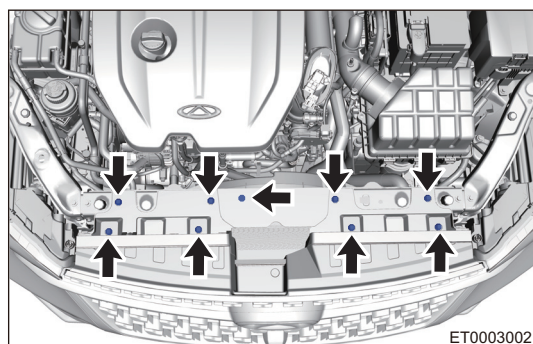
- (b) Remove 3 fixing bolts (arrow) and 2 snap fasteners (1) from lower part of front bumper assembly.

Tightening torque
 $5 \pm 0.5 \text{ N}\cdot\text{m}$

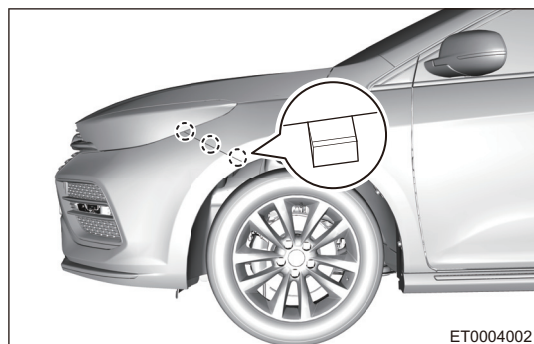


- (c) Lower vehicle to an appropriate position and remove 9 fixing bolts (arrow) from upper part of front bumper assembly.

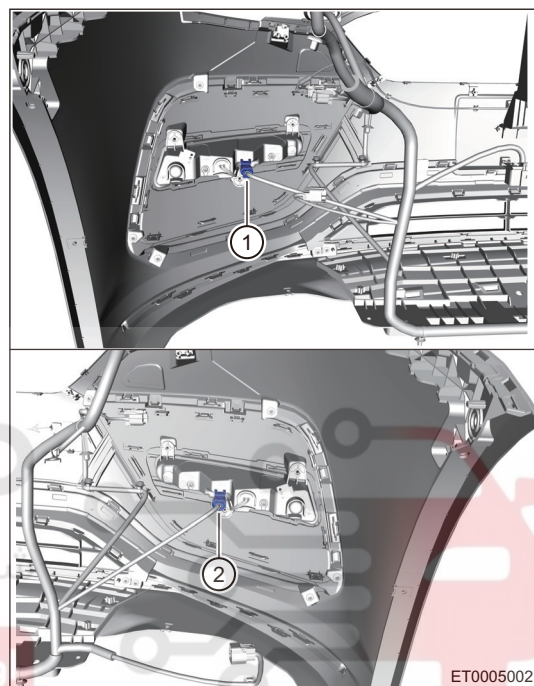
Tightening torque
 $3 \pm 0.5 \text{ N}\cdot\text{m}$



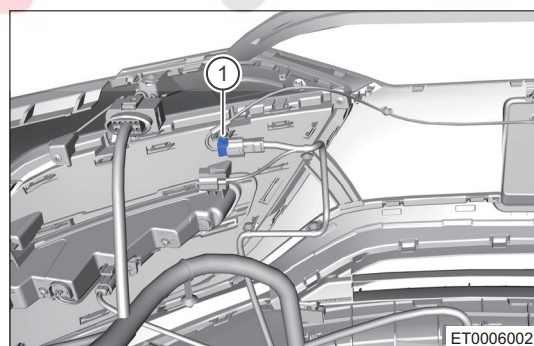
- (d) Disengage claws from front bumper assembly (take left side as an example).



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



- (f) Disconnect the front camera wire harness connector (1).



- (g) Remove the front bumper assembly.

Disassembly

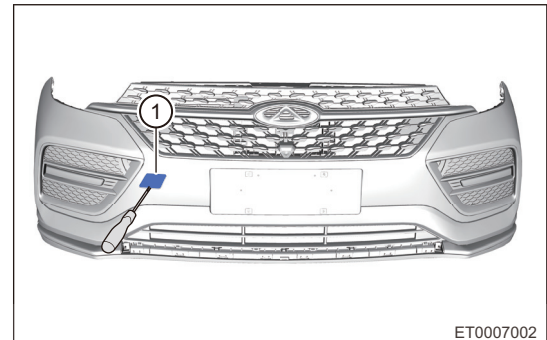
Warning/Caution/Hint

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.

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

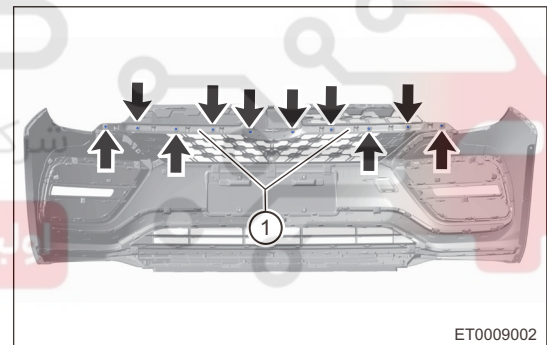


2. Remove the name plate "CAC" bracket.

- Remove 10 fixing screws (arrow), and name plate "CAC" brackets (1).

Tightening torque

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

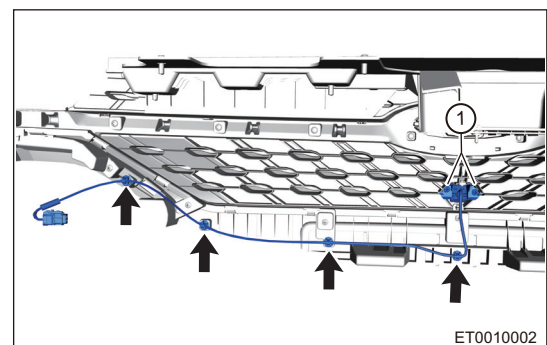


3. Remove the front camera wire harness.

- Detach fixing clips (arrow) from front camera wire harness assembly.
- Remove 2 fixing screws (1) from front camera.

Tightening torque

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

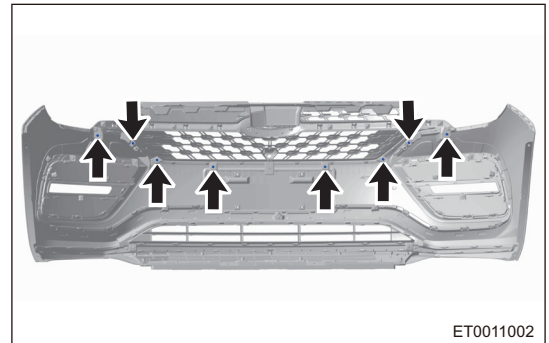


- Remove the front camera wire harness.

4. Remove the front grille assembly.
 - (a) Remove 9 fixing screws (arrow) from inner periphery of front grille.

Tightening torque

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

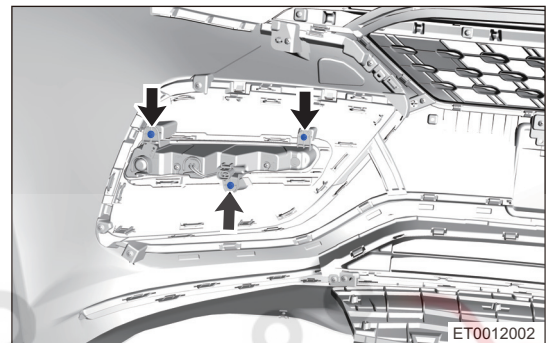


- (b) Remove the front grille assembly.
5. Remove the daytime running light assembly (take left side as an example).

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

Tightening torque

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



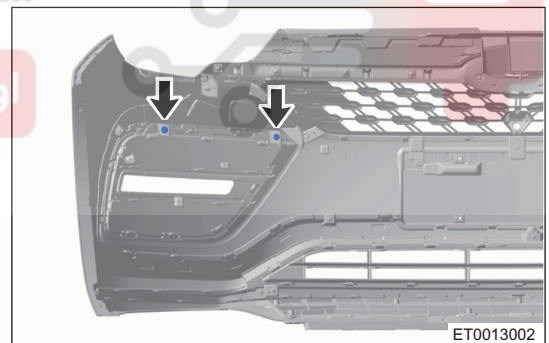
- (b) Remove the daytime running light.

6. Remove the daytime running light trim cover (take left side as an example).

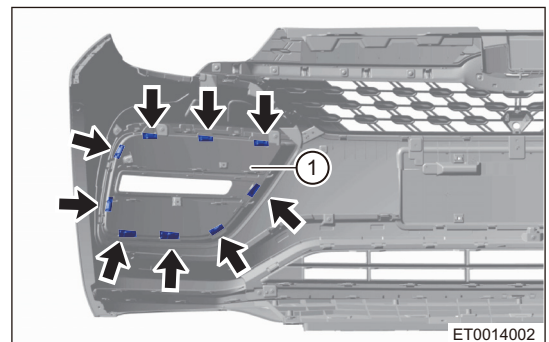
- (a) Remove 2 fixing screws (arrow) from daytime running light trim cover.

Tightening torque

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



- (b) Detach claws (arrow) from daytime running light trim cover, and remove daytime running light trim cover (1).



Assembly

1. Assembly is in the reverse order of disassembly.

Caution:

- Be sure to wear necessary safety equipment to prevent accidents, when assembling front bumper assembly.
- Try to prevent front bumper assembly paint surface from being scratched, when assembling 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.
- After installing front bumper, perform panoramic view monitor calibration.

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Front Bumper Mounting Bracket

Removal

Warning/Caution/Hint

Hint:

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

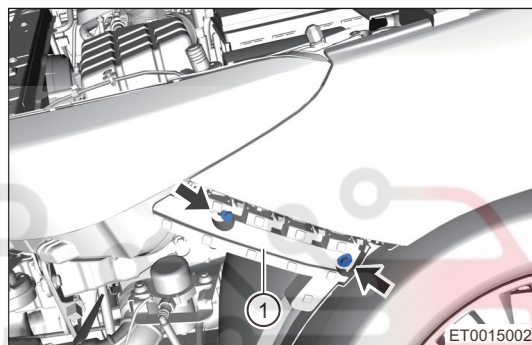
Caution:

- 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 START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the front bumper assembly (See page 51-6).
 4. Remove the front bumper mounting bracket (take left side as an example).

- (a) Remove 2 fixing bolts (arrow) from front bumper left bracket, and remove front bumper left bracket (1).

Tightening torque

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

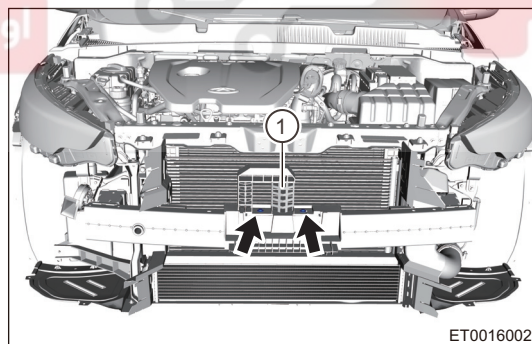


5. Remove the front bumper upper bracket.

- (a) Remove 2 fixing bolts (arrow) from front bumper upper bracket, and remove front bumper upper 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.

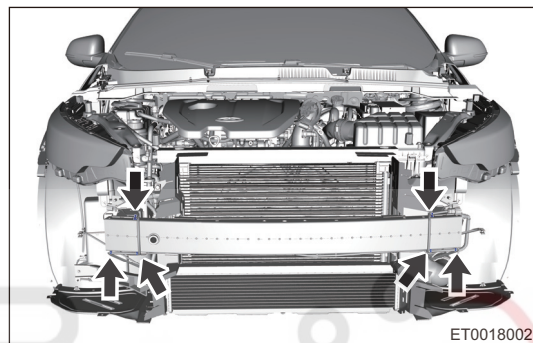
Front Bumper Crossmember Assembly

Removal

Warning/Caution/Hint

Caution:

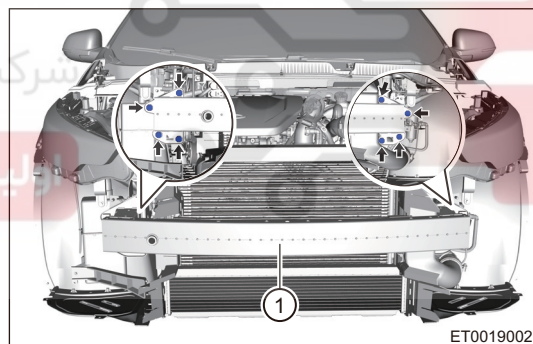
- Be sure to wear necessary safety equipment to prevent accidents, when removing front bumper crossmember assembly.
 - Try to prevent body paint surface from being scratched, when removing front bumper crossmember assembly.
1. Turn off all electrical equipment and the ENGINE START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the horn (See page 44-8).
 4. Remove the front bumper crossmember assembly.
 - (a) Detach fixing clips (arrow) from front bumper crossmember wire harness.



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

Tightening torque

$25 \pm 5.0 \text{ N}\cdot\text{m}$



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 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

Removal

Warning/Caution/Hint

Caution:

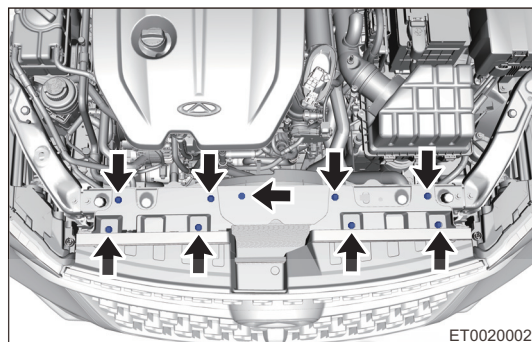
- Be sure to wear necessary safety equipment to prevent accidents, when removing air deflector.
- Try to prevent body paint surface from being scratched, when removing air deflector.

1. Turn off all electrical equipment and the ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 51-6).
4. Remove the upper air deflector assembly.

- (a) Remove 9 fixing bolts (arrow) from upper air deflector.

Tightening torque

$3 \pm 1.0 \text{ N}\cdot\text{m}$



ET0020002

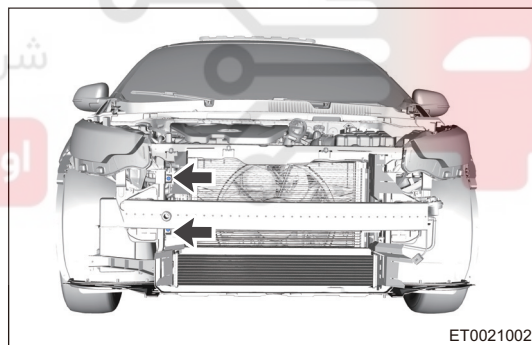
- (b) Remove the upper air deflector assembly.

5. Remove the left air deflector assembly.

- (a) Remove 2 fixing bolts (arrow) from left air deflector.

Tightening torque

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



ET0021002

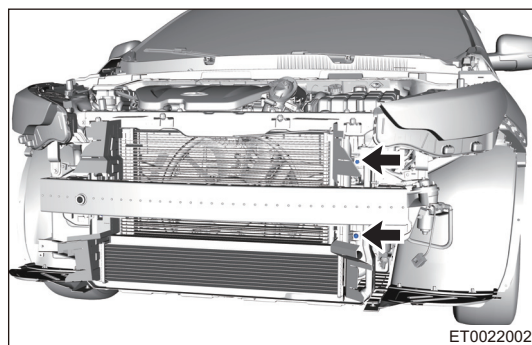
- (b) Remove the left air deflector assembly.

6. Remove the right air deflector assembly.

- (a) Remove 2 fixing bolts (arrow) from right air deflector.

Tightening torque

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



ET0022002

- (b) Remove the right air deflector assembly.

Installation

1. Installation is in the reverse order of removal.

Front Wheel House Wind Deflector

Removal

Warning/Caution/Hint

Hint:

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

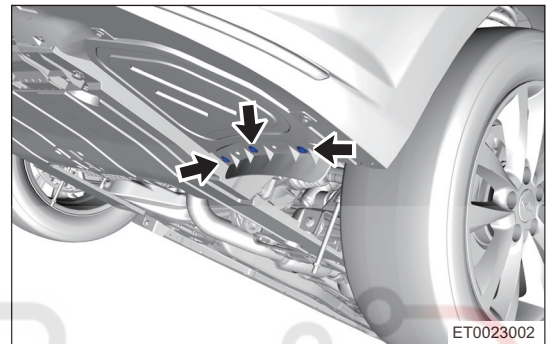
Caution:

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

1. Remove the front left wheel house wind deflector.
 - (a) Remove 3 fixing screws (arrow) and front left wheel house wind deflector.

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 front wheel house protector assembly.
- Try to prevent body paint surface from being scratched, when installing front wheel house protector assembly.

Front Wheel House Protector

Removal

Warning/Caution/Hint

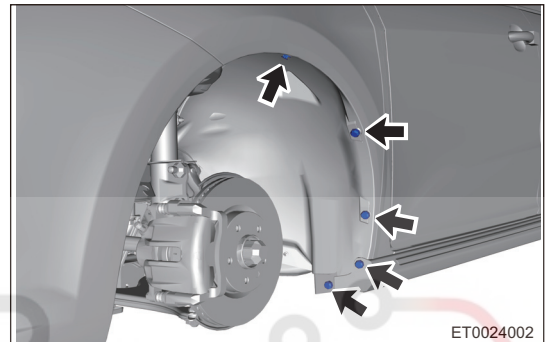
Hint:

- 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.

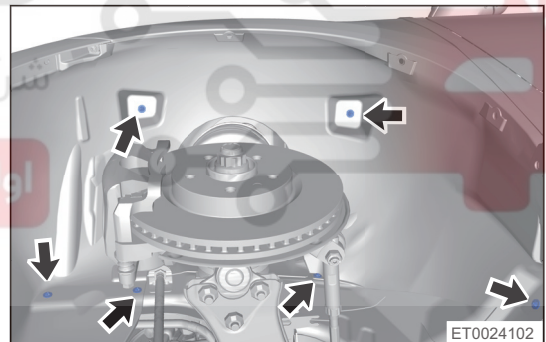
1. Remove the left wheel (See page 24-8).
2. Remove the front left wheel house protector.
 - (a) Remove 5 plastic snap fasteners (arrow) from front wheel house protector.



- (b) Remove 6 fixing screws (arrow) from front wheel house protector.

Tightening torque

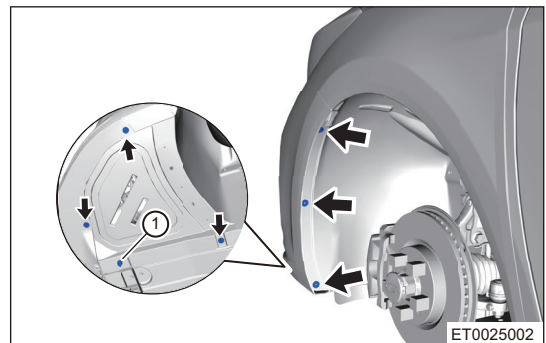
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



- (c) Remove 6 fixing screws (arrow) and 1 plastic plastic snap fastener (1) from front wheel house protector.

Tightening torque

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



- (d) 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.

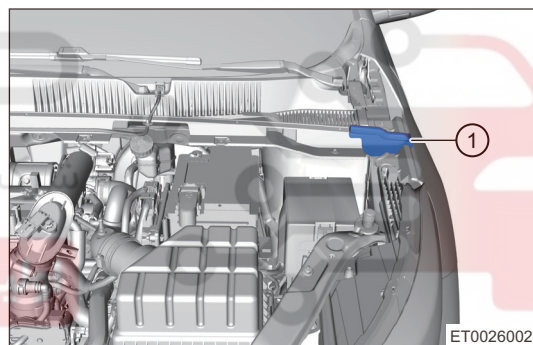
Front Windshield Lower Support Assembly

Removal

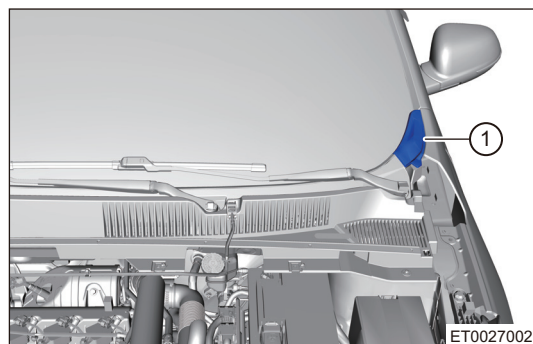
Warning/Caution/Hint

Caution:

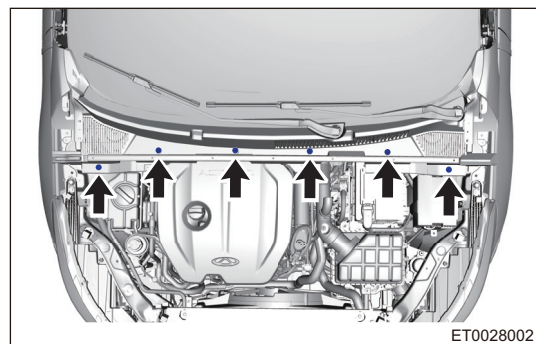
- Be sure to wear safety equipment to prevent accidents, when removing front windshield lower support assembly.
 - Try to prevent body paint surface from being scratched, when removing front windshield lower support assembly.
1. Turn off all electrical equipment and the ENGINE START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the wiper arm assembly (See page 38-13).
 4. Remove the front windshield lower support left buffer block (1) (take left side as an example).



5. 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 sealing plate (1).



6. Remove the front windshield lower support assembly.
 - (a) Remove 6 fixing screws (arrow) and front windshield lower support assembly.

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 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

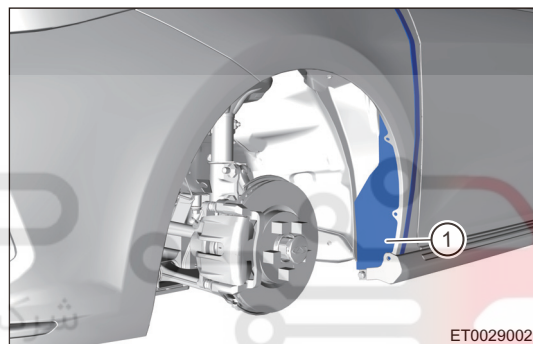
Hint:

- 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 START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the front wheel house protector (See page 51-15).
 4. Remove the front bumper assembly (See page 51-6).
 5. Remove the front bumper left mounting bracket (See page 51-11).
 6. Remove the left wing assembly.

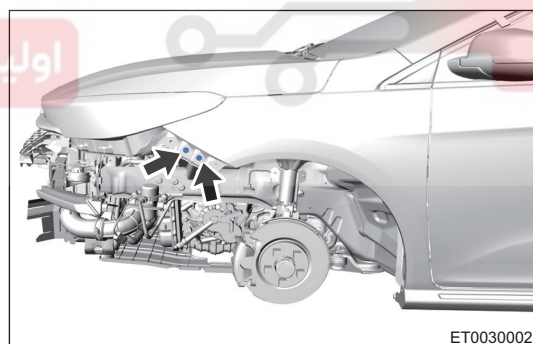
(a) Remove the front left wing spacer (1).



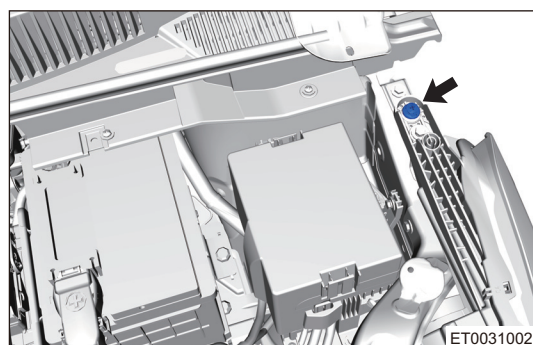
(b) Remove 2 fixing bolts (arrow) between front part of wing assembly and body.

Tightening torque

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



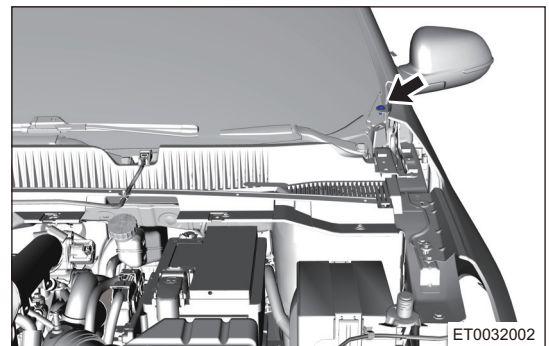
(c) Remove the plastic clip (arrow) between upper part of wing assembly and front combination light.



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

Tightening torque

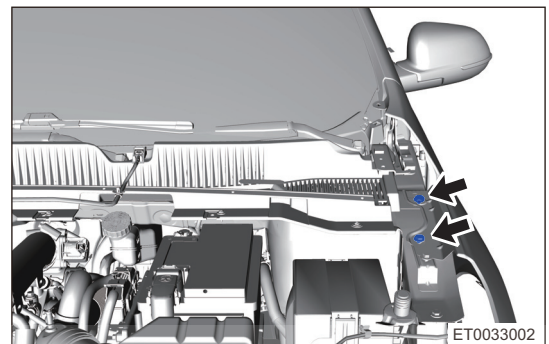
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



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

Tightening torque

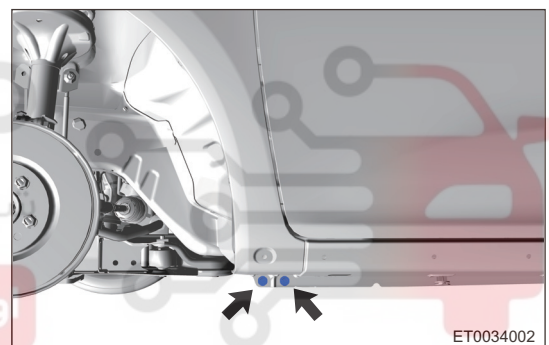
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



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

Tightening torque

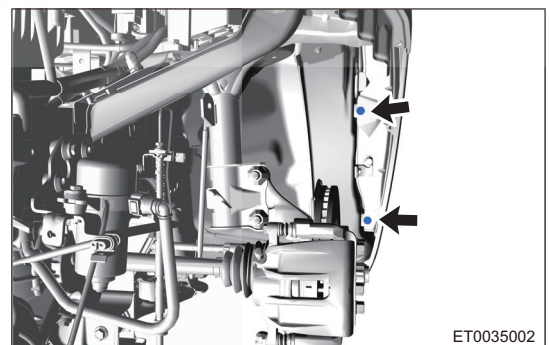
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



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

Tightening torque

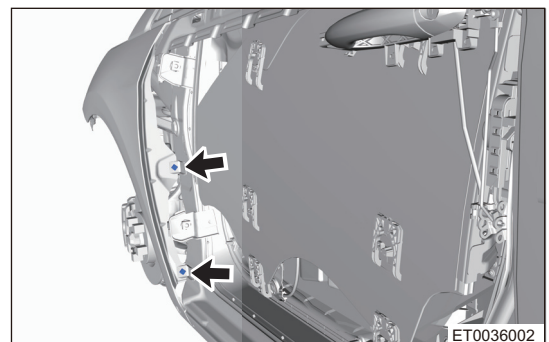
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



- (h) Remove 2 fixing bolts (arrow) between rear part of wing assembly and body.

Tightening torque

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



- (i) 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.

Water Tank Lower Protector

Removal

Warning/Caution/Hint

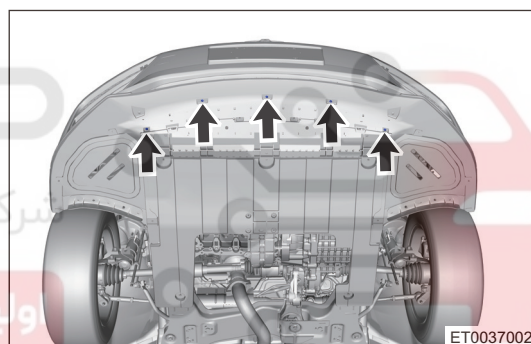
Caution:

- 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 START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the water tank lower protector assembly.

- (a) Remove 5 fixing screws (arrow) from water tank lower protector assembly.

Tightening torque

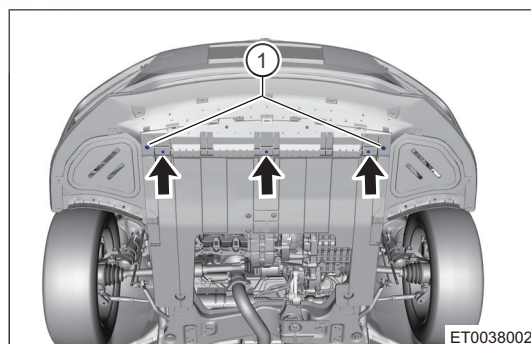
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



- (b) Remove 3 fixing bolts (arrow) and 2 plastic snap fasteners (1) from water tank lower protector assembly.

Tightening torque

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



- (c) 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.

Engine Lower Protector

Removal

Warning/Caution/Hint

Caution:

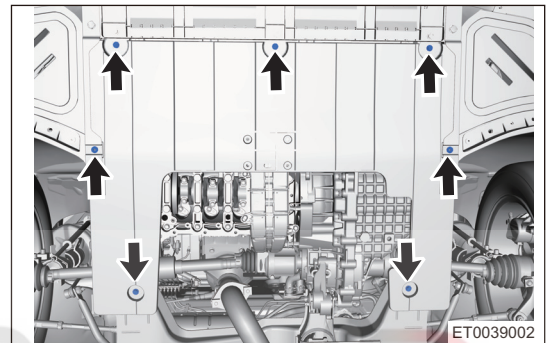
- Be sure to wear necessary safety equipment to prevent accidents, when removing engine lower protector assembly.
- Try to prevent body paint surface from being scratched, when removing engine lower protector assembly.

1. Turn off all electrical equipment and the 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

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



- (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.

Fuel Filler Cap Assembly

Removal

Warning/Caution/Hint

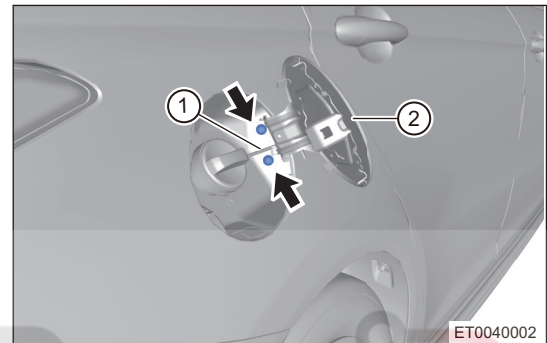
Caution:

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

1. Open the fuel filler cap assembly.
2. Remove the fuel filler cap assembly.
 - (a) Disconnect connecting cable (1) from fuel filler cap assembly.
 - (b) Remove 2 fixing bolts (arrow) and fuel filler cap assembly (2).

Tightening torque

$10 \pm 1.0 \text{ N}\cdot\text{m}$



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.

Side Skirt Protector Assembly

Removal

Warning/Caution/Hint

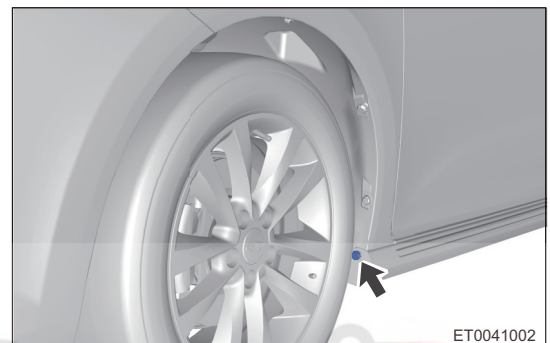
Hint:

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

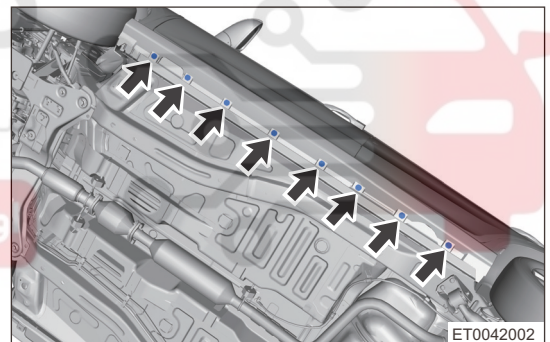
Caution:

- 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.

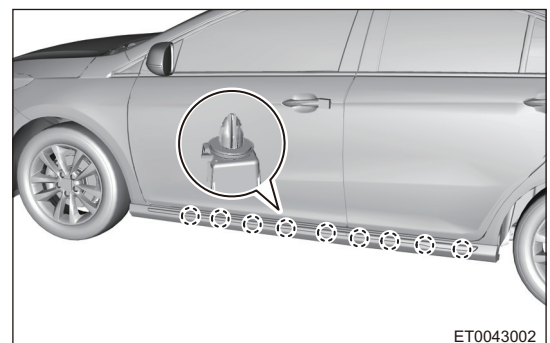
1. Remove the left side skirt protector assembly.
 - (a) Remove plastic snap fastener (arrow) between left skirt protector assembly and front wheel house protector.



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



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



- (d) 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.

Rear Wheel House Protector

Removal

Warning/Caution/Hint

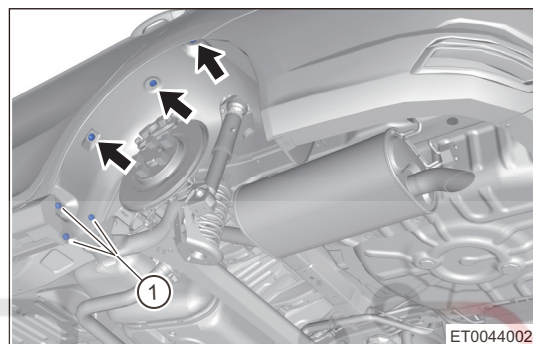
Hint:

- 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.

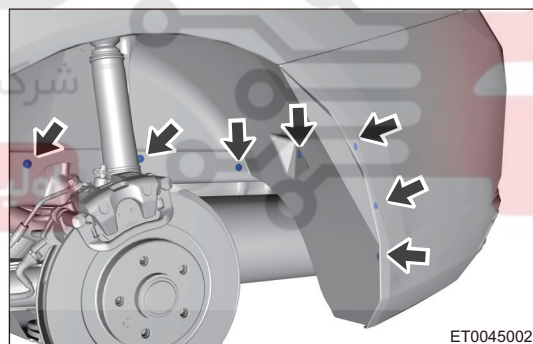
1. Remove the rear wheel (See page 24-8).
2. Remove the rear wheel house protector assembly.
 - (a) Remove 3 plastic nuts (arrow) and 3 snap fasteners (1) from rear wheel house protector assembly.



- (b) Remove 7 fixing screws (arrow) from rear wheel house protector assembly.

Tightening torque

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



- (c) Remove the right 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.

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 START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the rear combination light (fixed part) (See page 37-46).
 4. Remove the rear bumper assembly.

- (a) Raise vehicle with a lift, and remove 4 fixing bolts (arrow) between rear bumper assembly and wheel house (take left side as an example).

Tightening torque

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



- (b) Remove 1 fixing screw (arrow) from rear bumper assembly (take left side as an example).

Tightening torque

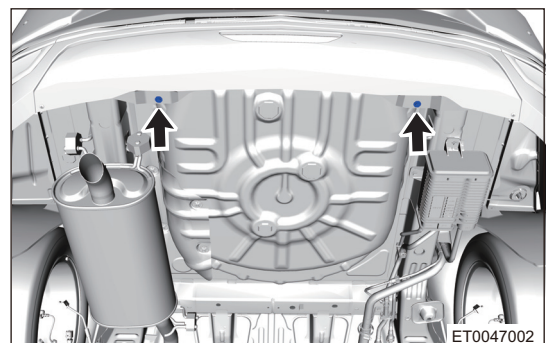
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



- (c) Remove 2 fixing bolts (arrow) from lower part of rear bumper assembly.

Tightening torque

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



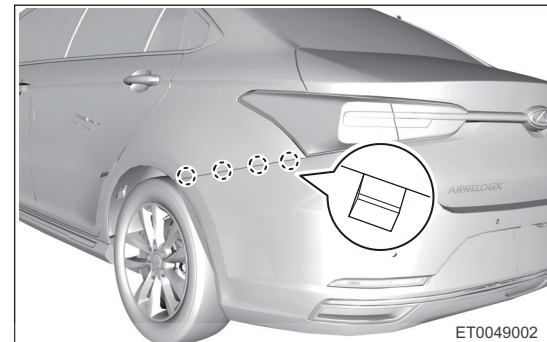
- (d) Lower vehicle and remove 2 fixing screws (arrow) from upper part of rear bumper assembly.

Tightening torque

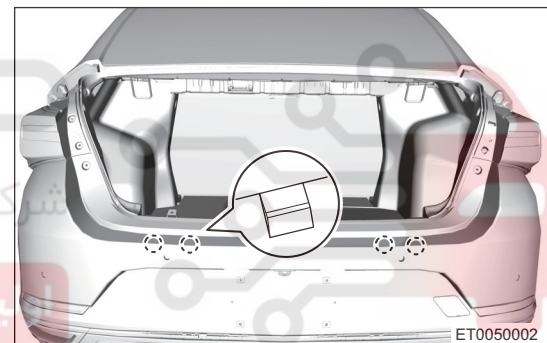
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



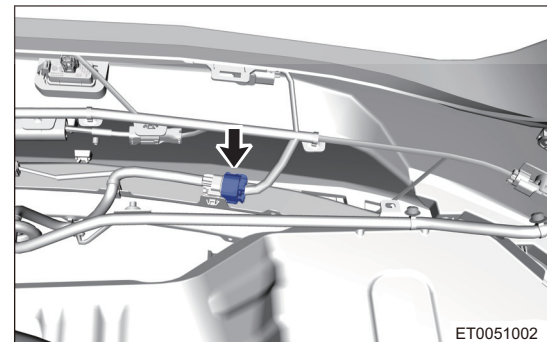
- (e) Disengage claws from side of rear bumper assembly (take left side as an example).



- (f) Disengage claws from front of rear bumper assembly.



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



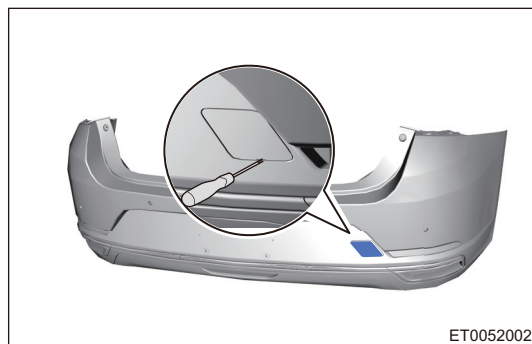
Disassembly

Warning/Caution/Hint

Caution:

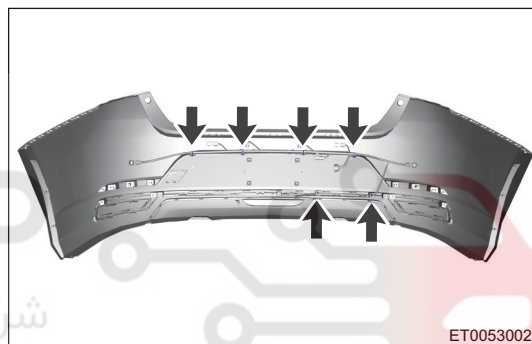
- Be sure to wear necessary safety equipment to prevent accidents, when disassembling rear bumper assembly.
 - Appropriate force should be applied, when disassembling rear bumper assembly. Be careful not to operate roughly.
 - Avoid breaking claws, when disassembling rear bumper assembly.
1. Remove the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

2. Remove the rear bumper towing hook cover.
 - (a) Using a screwdriver wrapped with protective tape, pry off rear bumper towing hook.



- (b) Remove rear bumper towing hook cover from rear bumper assembly.
3. Remove the license plate light (See page 37-54).
4. Remove the rear camera (See page 42-58).
5. Remove the rear fog light (See page 37-49).
6. Remove the rear bumper wire harness assembly.

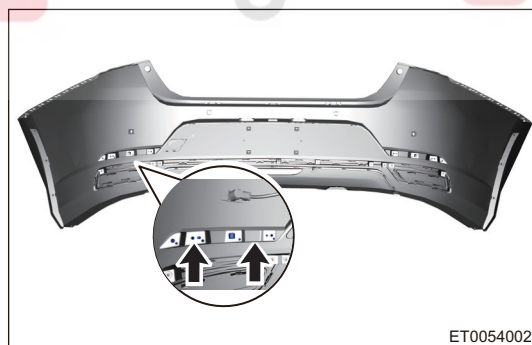
- (a) Remove fixing clips (arrow) from rear bumper wire harness assembly.



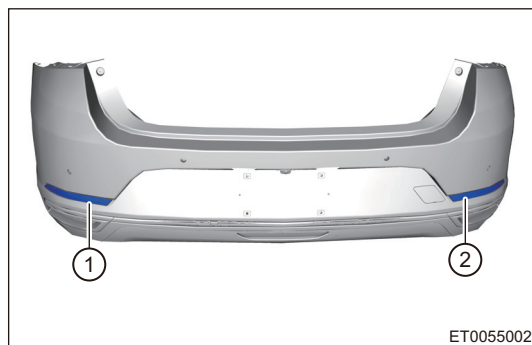
- (b) Remove rear bumper wire harness assembly from rear bumper assembly.

7. Remove the retro-reflector.

- (a) Separate clips (arrow) from retro-reflector (take left side as an example).



- (b) Remove left retro-reflector (1) and right retro-reflector (2) from rear bumper assembly.

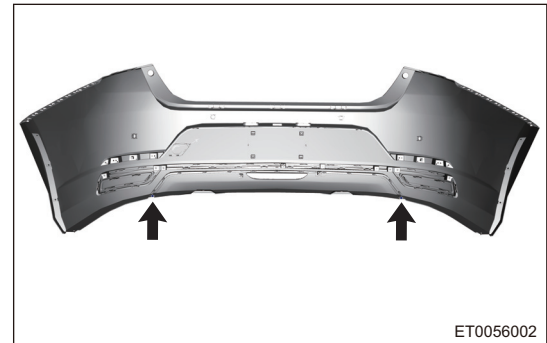


8. Remove the rear bumper spoiler.

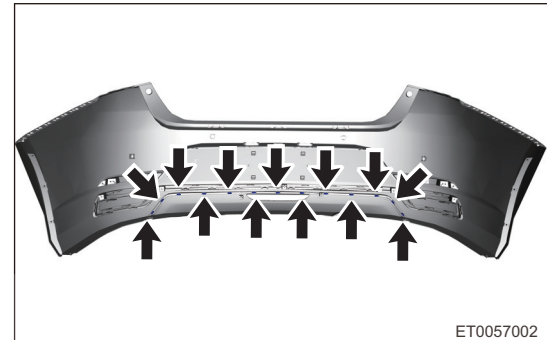
- (a) Remove 2 fixing screws arrow from rear bumper spoiler.

Tightening torque

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



- (b) Using a screwdriver wrapped with protective tape, detach claws (arrow) on rear bumper spoiler.



- (c) Remove rear bumper spoiler from rear bumper assembly.

Assembly

1. Assembly is in the reverse order of disassembly.

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.

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 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.

Rear Bumper Mounting Bracket

Removal

Warning/Caution/Hint

Hint:

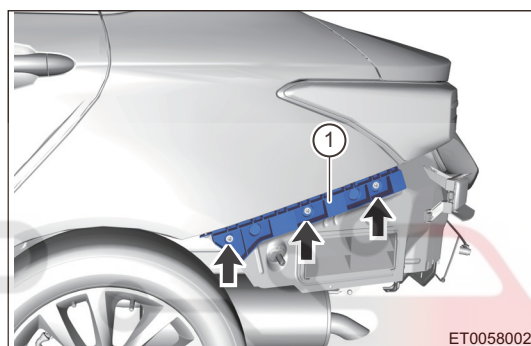
- Use same procedures for right and left sides.
- Procedures listed below are for left side.

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 START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the rear bumper assembly (See page 51-25).
 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:

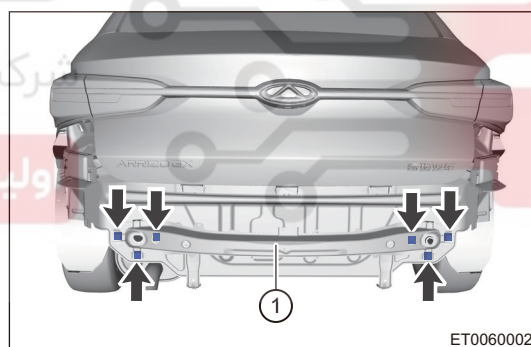
- Be sure to wear necessary safety equipment to prevent accidents, when removing rear bumper crossmember assembly.
 - Try to prevent body paint surface from being scratched, when removing rear bumper crossmember assembly.
1. Turn off all electrical equipment and the ENGINE START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the rear bumper assembly (See page 51-25).
 4. Remove the rear bumper crossmember assembly.
 - (a) Remove fixing clip (arrow) and low frequency antenna (1) from rear bumper wire harness connector.



- (b) Remove 6 fixing nuts (arrow) and rear bumper crossmember assembly (1).

Tightening torque

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



Installation

1. Installation is in the reverse order of removal.

Caution:

- Be sure to wear necessary safety equipment to prevent accidents, when installing rear bumper crossmember assembly.
- Try to prevent body paint surface from being scratched, when installing rear bumper crossmember assembly.
- There should be no looseness, shaking and deformation after installing rear bumper crossmember assembly.

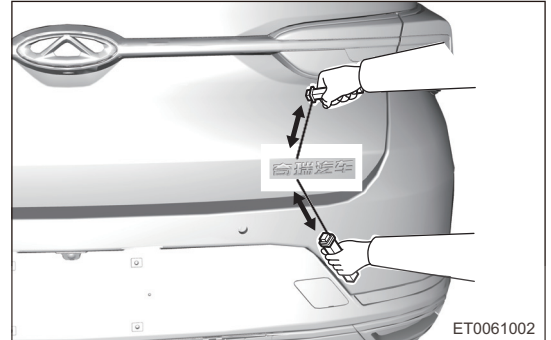
Name Plate

Removal

Warning/Caution/Hint

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.

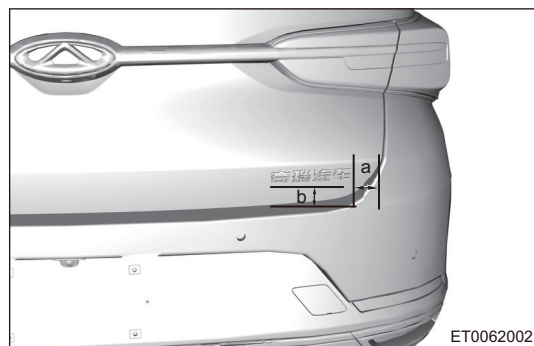


- (e) Remove the name plate "CHERY".

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.
4. Installation distance ranges for name plate "CHERY" are as follows:
 - (a) When attaching name plate "CHERY", keep it horizontal and centered vertically.
 - (b) Vertical distance a between right side of name plate "CHERY" and right side of luggage compartment lid is 4.5 ± 2 mm.

- (c) Vertical distance b between lower side of name plate "CHERY" and lower side of luggage compartment lid is 6.0 ± 2 mm.



دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

