

ENGINE HOOD/DOOR

GENERAL INFORMATION	50-3	Adjustment	50-25
Overview	50-3	Inspection	50-27
Description	50-3	Rear Door Inner Protector Assembly	50-28
Specifications	50-7	Removal	50-28
Tool	50-7	Installation	50-30
ON-VEHICLE SERVICE	50-8	Rear Door Assembly	50-31
Engine Hood Assembly	50-8	Removal	50-31
Removal	50-8	Installation	50-35
Installation	50-10	Adjustment	50-36
Adjustment	50-10	Inspection	50-37
Inspection	50-12	Luggage Compartment Door Assembly	50-38
Engine Hood Hinge Assembly	50-13	Removal	50-38
Removal	50-13	Installation	50-39
Installation	50-13	Adjustment	50-40
Engine Hood Cable Assembly	50-14	Inspection	50-42
Removal	50-14	Luggage Compartment Door Opener Switch Assembly	50-43
Installation	50-15	Removal	50-43
Front Door Inner Protector Assembly	50-16	Installation	50-44
Removal	50-16	Luggage Compartment Door Hinge Assembly	50-45
Installation	50-18	Removal	50-45
Front Door Assembly	50-19	Installation	50-46
Removal	50-19		
Installation	50-24		

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

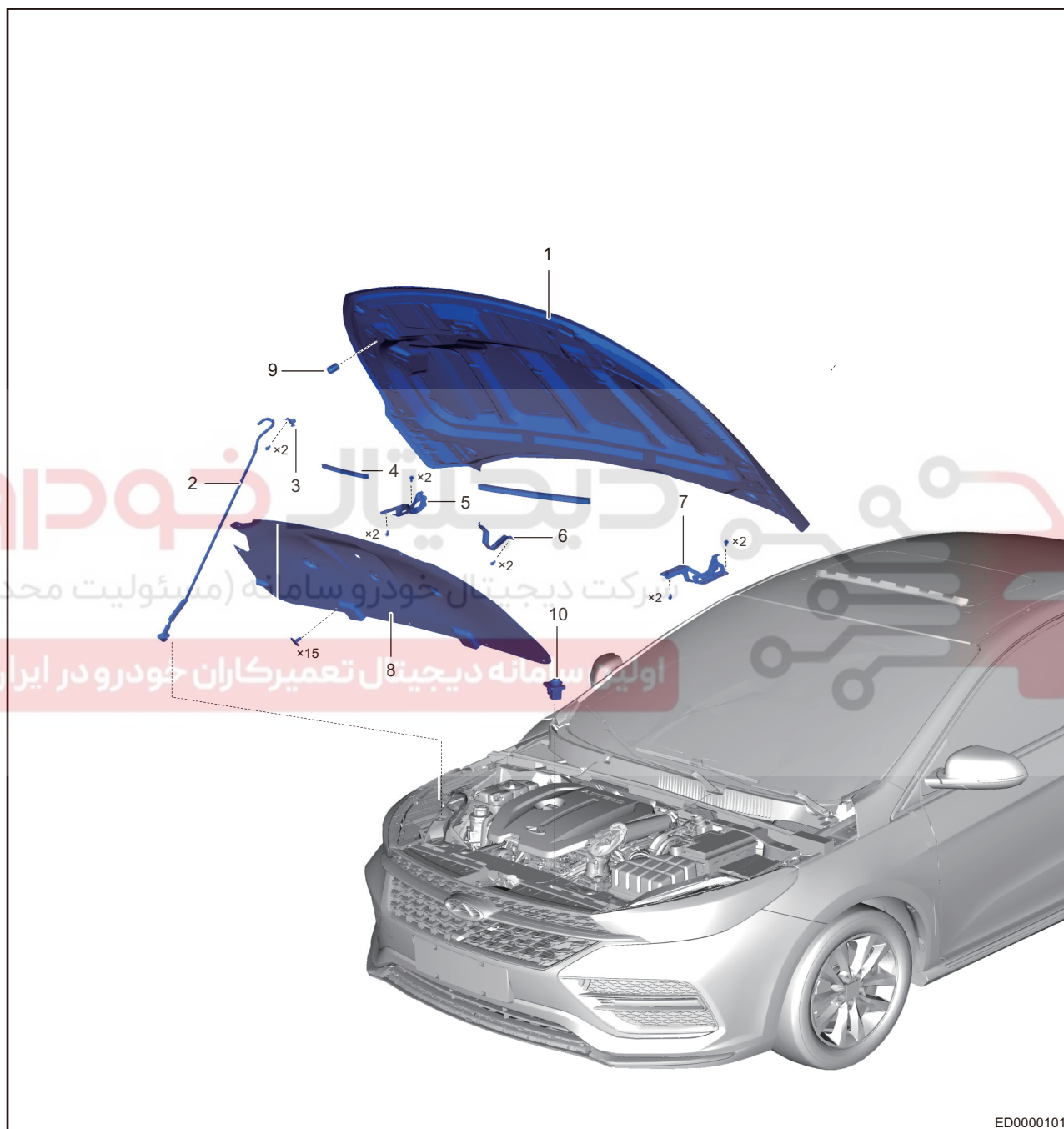


GENERAL INFORMATION

Overview

Description

Engine Hood Assembly

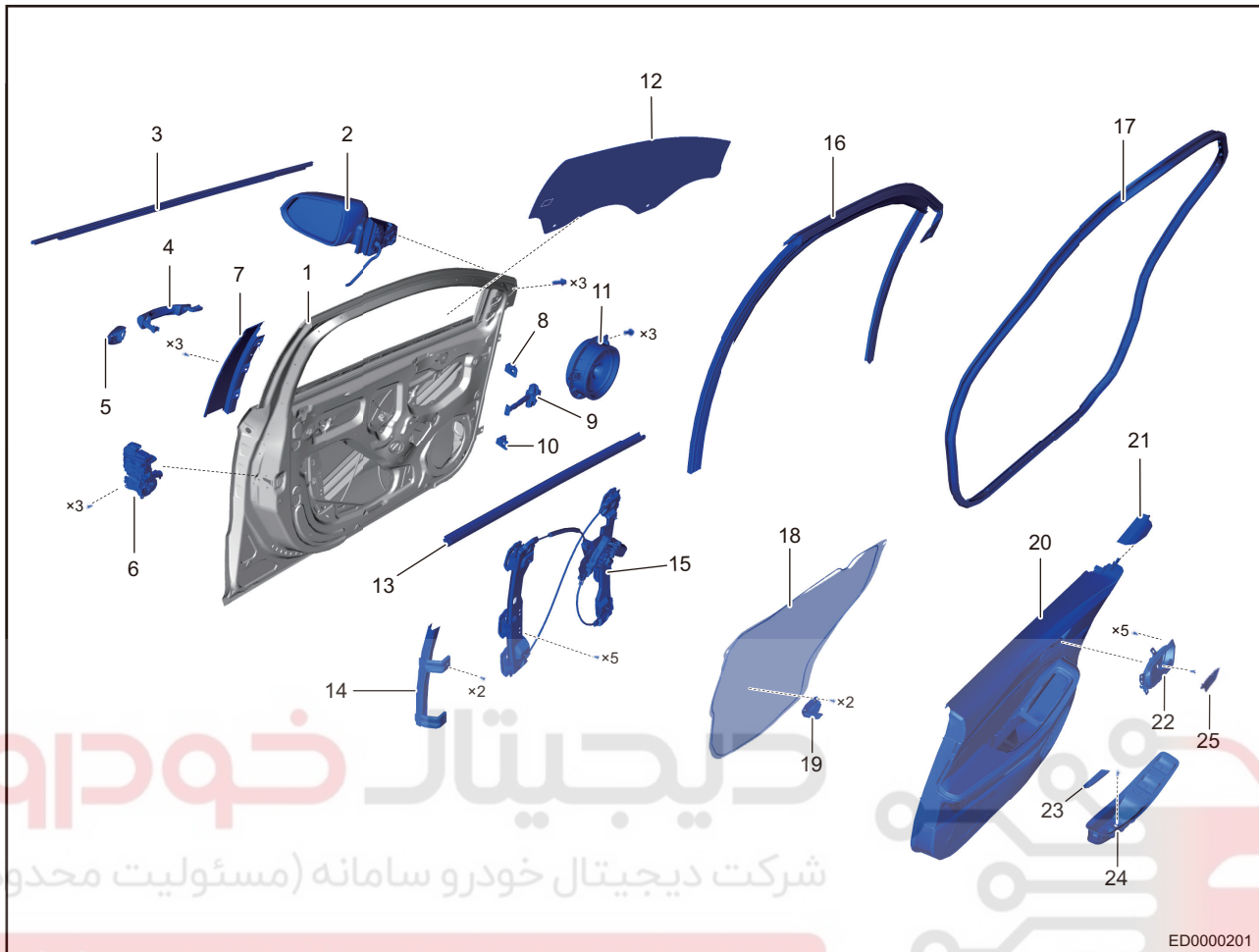


ED0000101

50

1 - Engine Hood Assembly	2 - Support Rod Assembly
3 - Support Rod Holder	4 - Engine Hood Front Weatherstrip
5 - Engine Hood Right Hinge Assembly	6 - Contact Switch Bracket
7 - Engine Hood Left Hinge Assembly	8 - Engine Hood Sound Insulator
9 - Adjustable Buffer Block	10 - Engine Hood Contact Switch

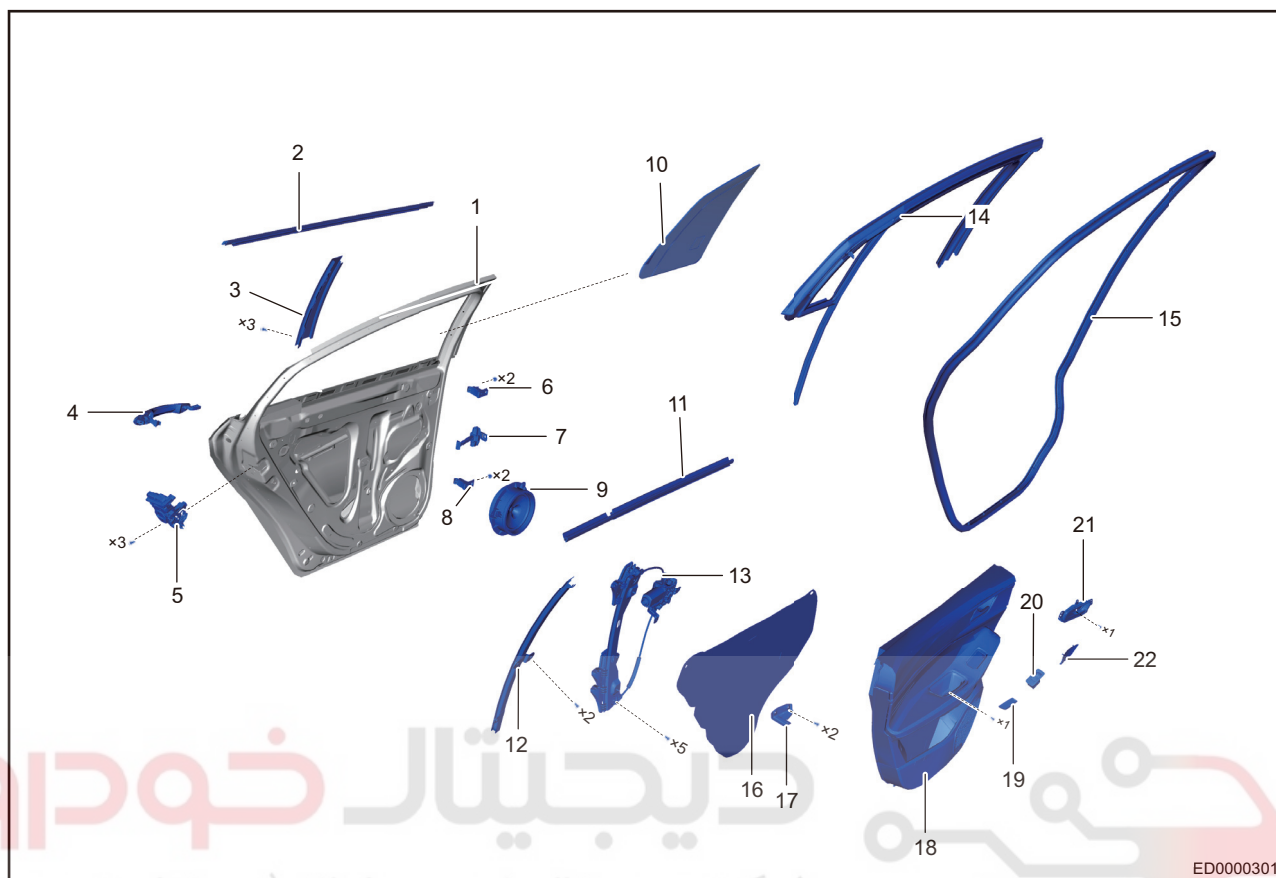
Front Door Assembly



ED0000201

1 - Front Door Assembly	2 - Outside Rear View Mirror Assembly
3 - Front Door Outer Weather Bar Assembly	4 - Front Door Outside Handle
5 - Front Door Outside Handle Base Assembly	6 - Front Door Lock Assembly
7 - Front Door Cover Plate Assembly	8 - Front Door Upper Hinge Assembly
9 - Front Door Check Assembly	10 - Front Door Lower Hinge Assembly
11 - Front Door Woofer	12 - Front Door Glass Assembly
13 - Front Door Inner Weather Bar	14 - Front Door Glass Rear Guide Rail Assembly
15 - Front Door Power Glass Regulator Assembly	16 - Front Door Glass Run
17 - Front Door Frame Weatherstrip	18 - Front Door Protective Film Assembly
19 - Front Door Handle Mounting Bracket Assembly	20 - Front Door Protector Assembly
21 - Outside Rear View Mirror Inner Triangular Block	22 - Front Door Inside Handle
23 - Front Door Inside Handle Trim Cover Gasket	24 - Power Glass Regulator and Control Master Switch Assembly
25 - Front Door Inside Handle Screw Cover Plug	

Rear Door Assembly



1 - Rear Door Assembly	2 - Rear Door Outer Weather Bar Assembly
3 - Rear Door Cover Plate	4 - Rear Door Outside Handle
5 - Rear Door Lock Assembly	6 - Rear Door Upper Hinge Assembly
7 - Rear Door Check Assembly	8 - Rear Door Lower Hinge Assembly
9 - Rear Door Woofer	10 - Rear Door Glass Assembly
11 - Rear Door Inner Weather Bar	12 - Rear Door Glass Guide Rail Assembly
13 - Rear Door Power Glass Regulator Assembly	14 - Rear Door Glass Run
15 - Rear Door Frame Weatherstrip	16 - Rear Door Protective Film Assembly
17 - Rear Door Handle Mounting Bracket Assembly	18 - Rear Door Inner Protector Assembly
19 - Rear Door Inside Handle Trim Cover Gasket	20 - Rear Door Power Glass Regulator Switch Assembly
21 - Rear Door Inside Handle Assembly	22 - Rear Door Inside Handle Screw Cover Plug

Luggage Compartment Door Assembly



ED0000401

1 - Luggage Compartment Door Assembly	2 - Adjustable Buffer Block
3 - Luggage Compartment Door Lock Assembly	4 - Luggage Compartment Door Trim Board Assembly
5 - Luggage Compartment Door Left Hinge Assembly	6 - Luggage Compartment Door Right Hinge Assembly
7 - Luggage Compartment Door Hinge Right Torsion Bar	8 - Luggage Compartment Door Hinge Left Torsion Bar
9 - Luggage Compartment Door Left Hinge Boot Assembly	10 - Luggage Compartment Door Right Hinge Boot Assembly

The vehicle is designed as a structure with four doors & two covers (front left door, rear left door, front right door, rear right door, luggage compartment door and engine hood).

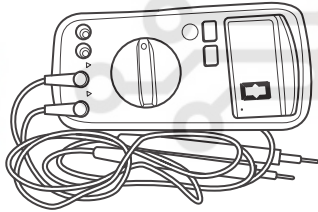
Specifications

Torque Specifications

Description	Torque (N·m)
Engine Support Rod Fixing Screw	1.5 ± 0.5
Engine Hood Hinge Fixing Nut	23 ± 2.0
Engine Hood Lock Fixing Nut	10 ± 1.0
Front Door Inner Protector Fixing Screw	1.5 ± 0.5
Front Door Inside Handle Fixing Screw	1.5 ± 0.5
Front Door Metal Bracket Fixing Bolt	5 ± 1.0
Front Door Outside Handle Fixing Screw	5 ± 1.0
Front Door Outside Handle Base Fixing Screw	1.5 ± 0.5
Fixing Nut Between Door Check and Door	24 ± 2.0
Fixing Bolt Between Door and Hinge	55 ± 5.0
Fixing Bolt Between Hinge Assembly and Body Side Panel	32 ± 3.0
Door Lock Striker Fixing Bolt	23 ± 2.0
Fixing Bolt Between Luggage Compartment Door Hinge Assembly and Luggage Compartment Door Assembly	25 ± 2.0
Fixing Bolt Between Luggage Compartment Door Hinge Assembly and Body	25 ± 2.0
Luggage Compartment Lock Striker Assembly Fixing Screw	23 ± 1.0

Tool

General Tool

Digital Multimeter	
--------------------	--

002

ON-VEHICLE SERVICE

Engine Hood Assembly

Removal

Warning/Caution/Hint

Caution:

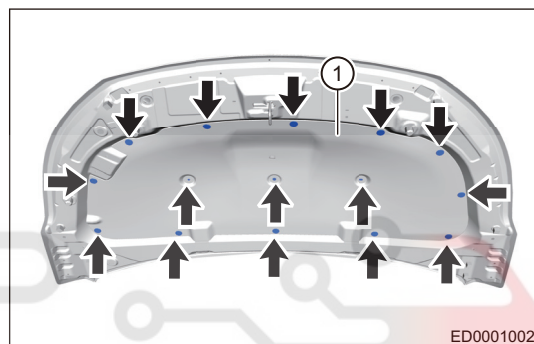
- Be sure to wear necessary safety equipment to prevent accidents, when removing engine hood assembly.
- When removing engine hood assembly, try to prevent engine hood from dropping, otherwise, body or front windshield may be damaged.

Warning:

- When removing engine hood assembly, an assistant is needed to hold it. Try to prevent engine hood from dropping or suddenly closing to cause accidents during operation.

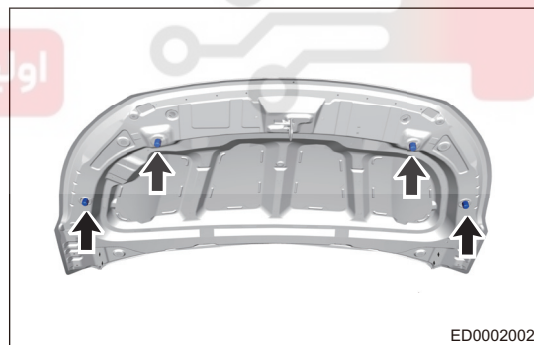
1. Remove the engine hood sound insulator.

- (a) Remove clips (arrow) from engine hood sound insulator, and remove engine hood sound insulator (1).



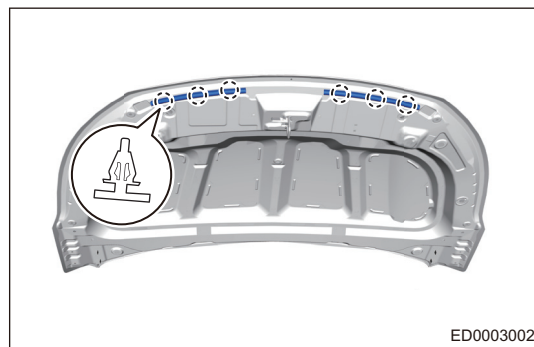
2. Remove the engine hood adjustable buffer block.

- (a) Turn engine hood adjustable buffer blocks (arrow) counterclockwise to remove them.

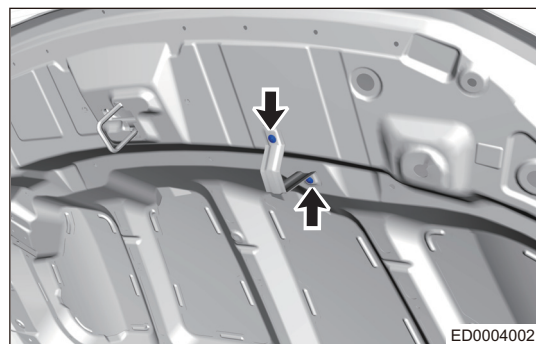


3. Remove the engine weatherstrip.

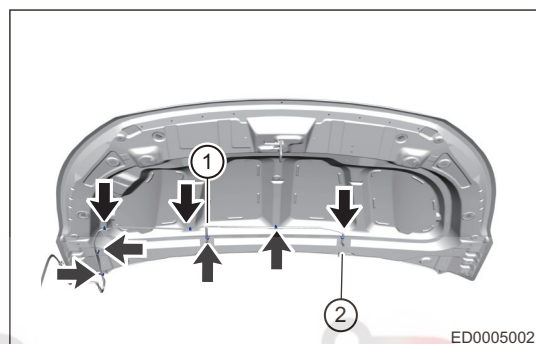
- (a) Disengage clips from engine weatherstrip, and remove engine weatherstrip.



4. Remove the engine hood contact switch bracket.
 - (a) Remove 2 fixing screws (arrow) and engine hood contact switch bracket.



5. Remove washer line and 2 washer nozzles.
 - (a) Disengage 7 fixing clips (arrow) from washer line.
 - (b) Disconnect washer line joints (1) and (2).



- (c) Remove left and right washer nozzles.

6. Remove the engine hood support rod.

- (a) Remove 2 fixing screws (arrow) from holder, and remove engine hood support rod (1).

Tightening torque

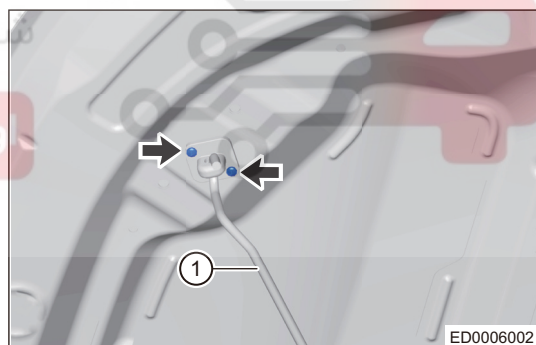
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$

Caution:

- Be sure to wear necessary safety equipment to prevent accidents, when removing engine hood support rod.
- Try to prevent body paint surface from being scratched, when removing engine hood support rod.
- When removing engine hood support rod, try to prevent engine hood from dropping, otherwise, body may be damaged.

Warning:

- When removing engine hood support rod, an assistant is needed to hold it. Try to prevent engine hood from dropping or suddenly closing to cause accidents during operation.

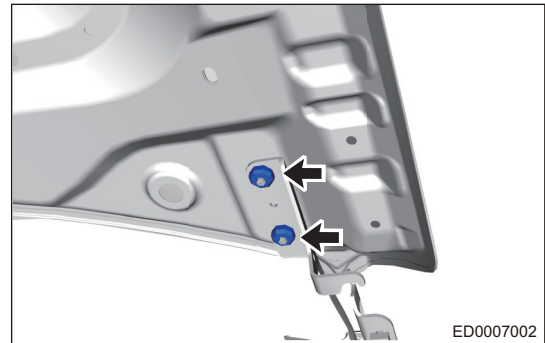


7. Remove the engine hood assembly.

- (a) Remove 2 fixing nuts (arrow) between engine hood assembly and engine hood left hinge assembly.

Tightening torque

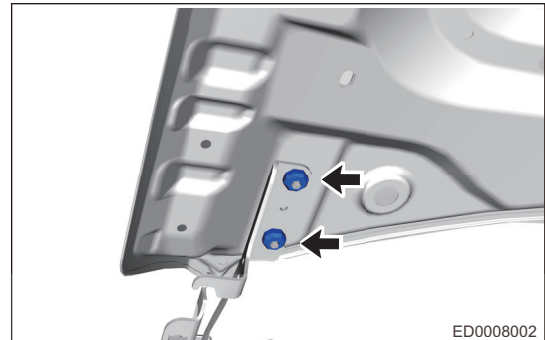
$22 \pm 1.0 \text{ N}\cdot\text{m}$



- (b) Remove 2 fixing nuts (arrow) between engine hood assembly and engine hood right hinge assembly, and remove engine hood assembly.

Tightening torque

$22 \pm 1.0 \text{ N}\cdot\text{m}$



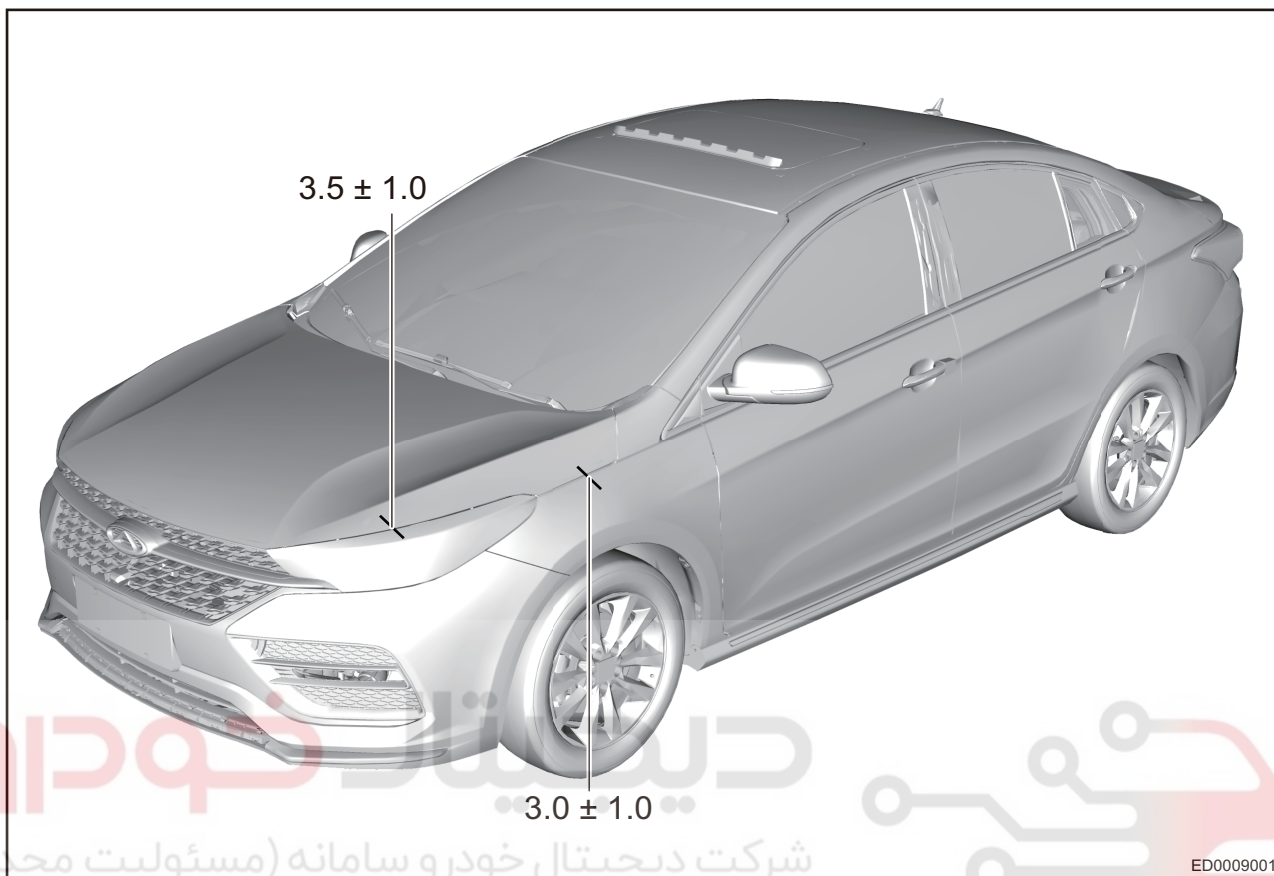
Installation

1. Installation is in the reverse order of removal.

Adjustment

1. Adjust the engine hood assembly.
- (a) Loosen fixing bolts on engine hood hinge assembly.
 - (b) Adjust clearance of engine hood assembly to standard range and pre-tighten fixing bolts on engine hood hinge assembly.

- (c) Standard ranges of clearance between installation position of engine hood assembly and each part are as follows.



- (d) After adjustment, tighten fixing bolts between engine hood hinge assembly and engine hood assembly to specified torque.

Tightening torque

$22 \pm 1.0 \text{ N}\cdot\text{m}$

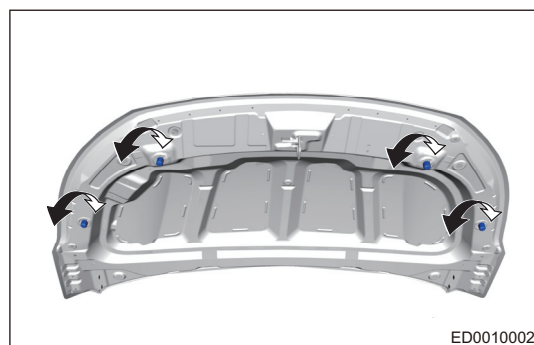
- (e) After adjustment, tighten fixing bolts between engine hood hinge assembly and body to specified torque.

Tightening torque

$22 \pm 1.0 \text{ N}\cdot\text{m}$

2. Adjust height of engine hood front end with adjustable buffer blocks.

- (a) Lower or raise front end of engine hood by rotating adjustable buffer blocks clockwise or counterclockwise.



- (b) After adjustment, make sure that alignment between engine hood assembly and wing assembly is within standard range.

Standard alignment

$3.0 \pm 1.0 \text{ mm}$

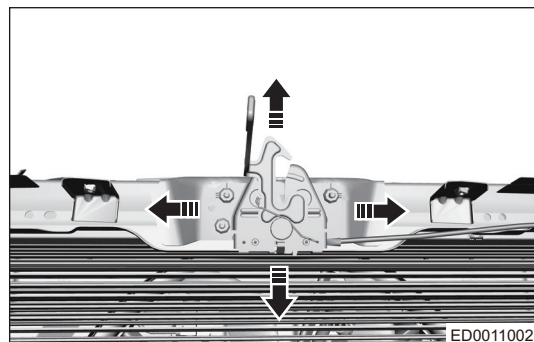
- (c) After adjustment, make sure that alignment between engine hood assembly and front combination light is within standard range.

Standard alignment

3.5 ± 1.0 mm

3. Adjust the engine hood lock assembly.

- (a) Slightly loosen fixing nuts of engine hood lock assembly, and adjust engine hood lock assembly in direction of arrow as shown in illustration.



- (b) Tighten engine hood lock assembly fixing nuts to specified torque after adjustment.

Tightening torque

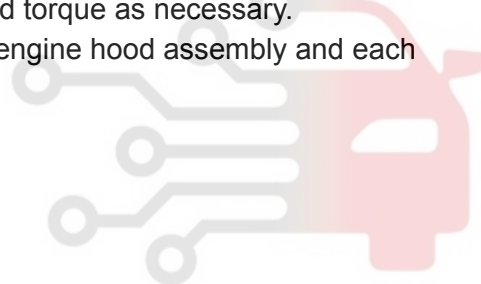
9 ± 1.5 N·m

Inspection

1. Check engine hood for wear or deformation during installation, and repair as necessary.
2. Check if fixing bolts are installed in place. Tighten them to specified torque as necessary.
3. Check if clearance and alignment between installation position of engine hood assembly and each part are within specified range. Adjust as necessary.

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Engine Hood Hinge 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 engine hood hinge assembly.
- When removing engine hood hinge assembly, try to prevent engine hood from dropping, otherwise, body or front windshield may be damaged.

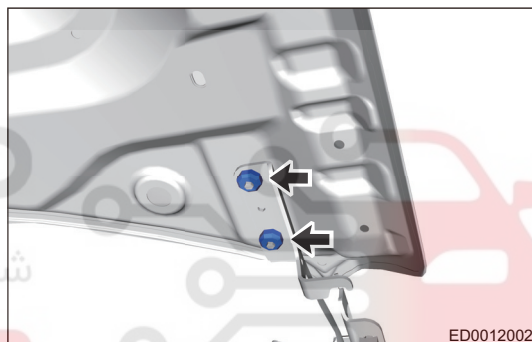
Warning:

- When removing engine hood hinge assembly, an assistant is needed to hold it. Try to prevent engine hood from dropping or suddenly closing to cause accidents during operation.

1. Remove the engine hood left hinge assembly.
 - (a) Remove the wing trim panel assembly.
 - (b) Remove the wing assembly.
 - (c) Remove 2 fixing nuts (arrow) between left hinge assembly and engine hood assembly.

Tightening torque

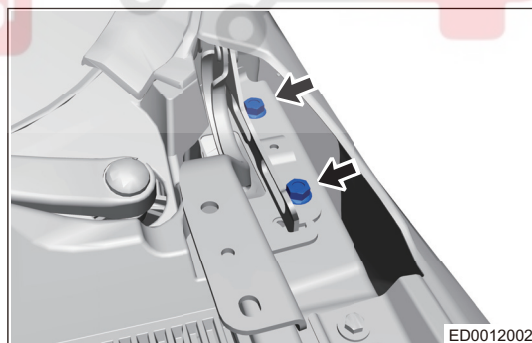
$22 \pm 1.0 \text{ N}\cdot\text{m}$



- (d) Remove 2 fixing bolts (arrow) between engine hood left hinge assembly and body.

Tightening torque

$22 \pm 1.0 \text{ N}\cdot\text{m}$



- (e) Remove the engine hood left hinge assembly.

Installation

1. Installation is in the reverse order of removal.

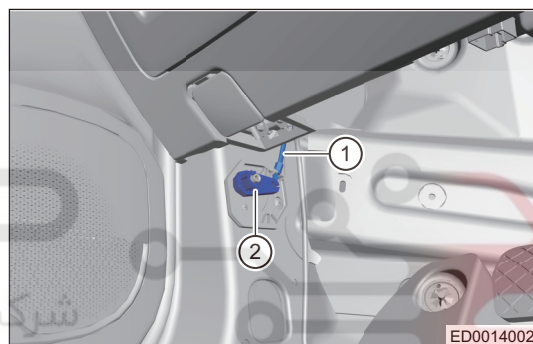
Engine Hood Cable Assembly

Removal

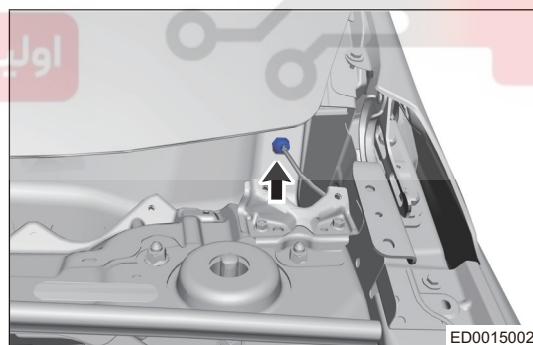
Warning/Caution/Hint

Caution:

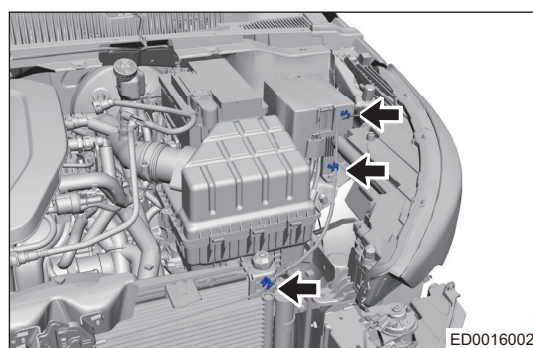
- Be sure to wear necessary safety equipment to prevent accidents, when removing engine hood cable assembly.
 - Try to prevent interior and body paint surface from being scratched, when removing engine hood cable assembly.
1. Turn off all electrical equipment and the ENGINE START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the front bumper assembly (See page 51-6).
 4. Remove the left wheel house (See page 51-15).
 5. Remove the engine hood lock assembly (See page 39-46).
 6. Remove the front windshield lower support assembly (See page 51-16).
 7. Remove the engine hood cable assembly.
 - (a) Disengage engine hood cable assembly (1) from engine hood grip drive block (2).



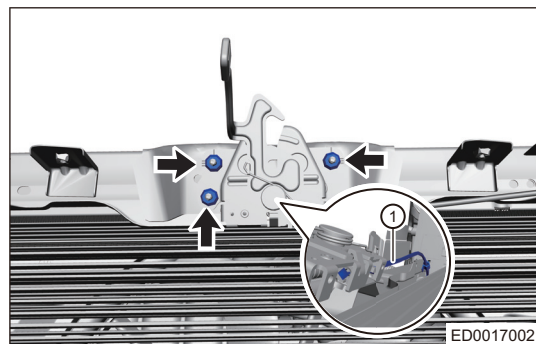
- (b) Using a screwdriver wrapped with protective tape, pry off rubber cushion (arrow).



- (c) Disengage clips (1) from engine hood cable assembly, and remove engine hood cable assembly.



- (d) Remove 5 fixing bolts (arrow) from engine hood lock, and disengage cable assembly (1).



Installation

1. Installation is in the reverse order of removal.

Caution:

- After installing engine hood cable assembly, make sure that engine hood can be opened smoothly without seizing.

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Front Door Inner Protector Assembly

Removal

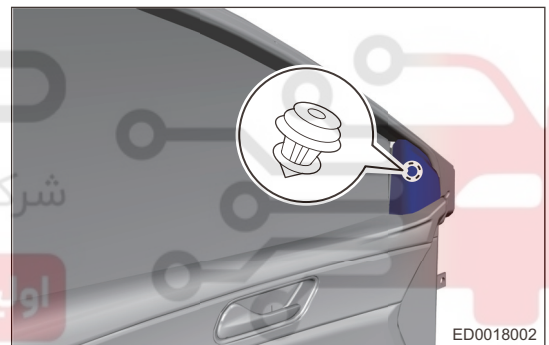
Warning/Caution/Hint

Hint:

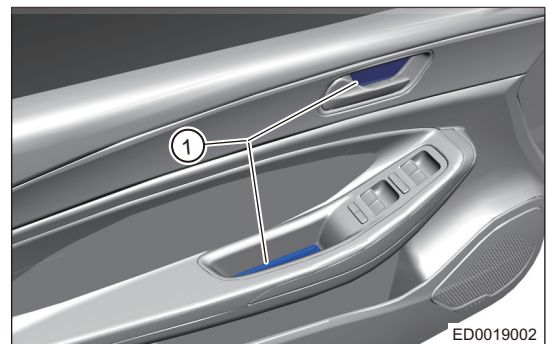
- Use same procedures for right and left sides.
- Procedures listed below are for left side.

Caution:

- Be sure to wear safety equipment to prevent accidents, when removing front door inner protector assembly.
 - Try to prevent front door inner protector surface from being damaged, when removing front door inner protector assembly.
1. Turn off all electrical equipment and the ENGINE START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the left outside rear view mirror inner triangular block.
 - (a) Using an interior crow plate, pry off clip on outside rear view mirror inner triangular block, and remove outside rear view mirror inner triangular block.



4. Remove the front left door inner protector assembly.
 - (a) Using an interior crow plate, pry off front left door inside handle screw cover plug and inside handle cover plug (1).



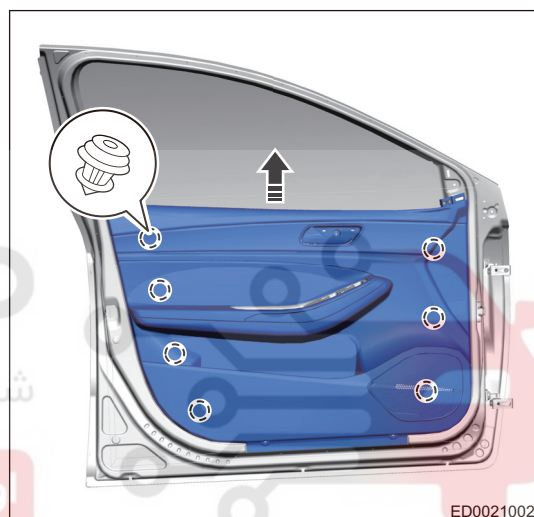
- (b) Remove 5 fixing screws (arrow) from front door inner protector assembly.

Tightening torque

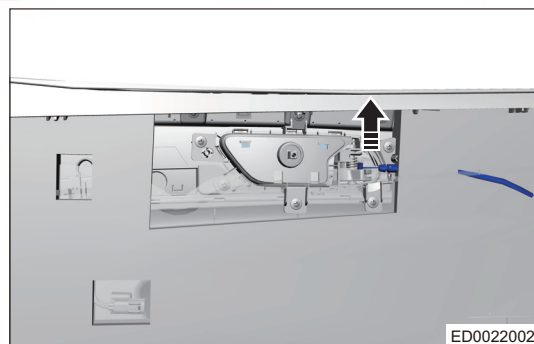
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



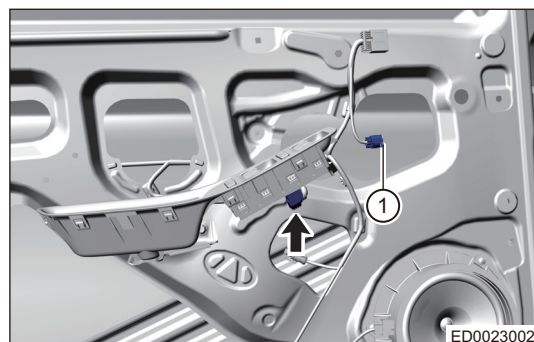
- (c) Using an interior crow plate, pry off clips (arrow) on front door inner protector assembly, and loosen front door inner protector assembly in direction of arrow as shown in illustration.



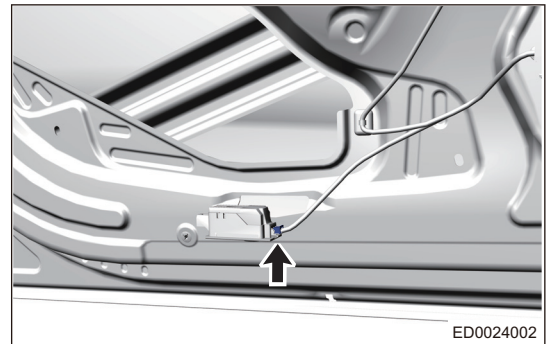
- (d) Disengage front door inside handle cable (arrow) from front door inside handle.



- (e) Disconnect front door power glass regulator switch connector plug (arrow) and atmosphere light plug (1).



- (f) Disconnect the front left door foot light wire harness connector (arrow).



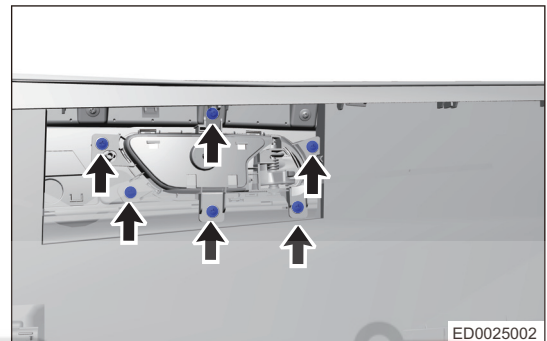
- (g) Remove the front left door inner protector assembly.

5. Remove the front door inside handle.

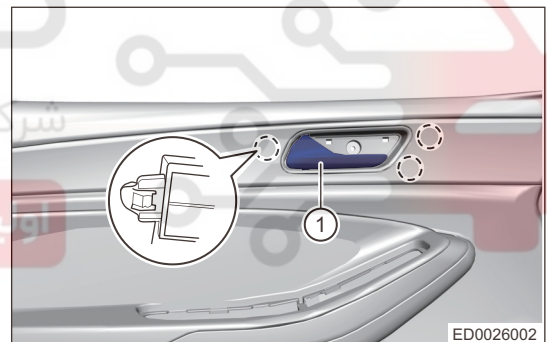
- (a) Remove 6 fixing screws (arrow) from front door inside handle.

Tightening torque

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



- (b) Using a screwdriver wrapped with protective tape, pry off claws on front door inside handle, and remove front door inside handle (1).



Installation

1. Installation is in the reverse order of removal.

Caution:

- Replace damaged clips and install front door inner protector assembly in place, when installing front door inner protector assembly.
- Install connectors in place, when installing front door inner protector assembly.
- Check that each function can operate properly, after installing front door inner protector assembly.

Front Door 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 assembly.
- Try to prevent body paint surface from being scratched, when removing front door assembly.

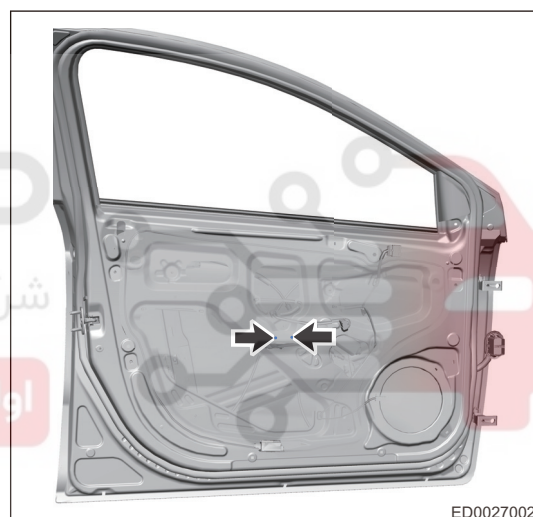
Warning:

- When removing front door assembly, an assistant is needed to hold it, to prevent front door from dropping to cause accidents during operation.
1. Turn off all electrical equipment and the ENGINE START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the front left door inner protector assembly (See page 50-16).
 4. Remove the front left door protective film assembly.

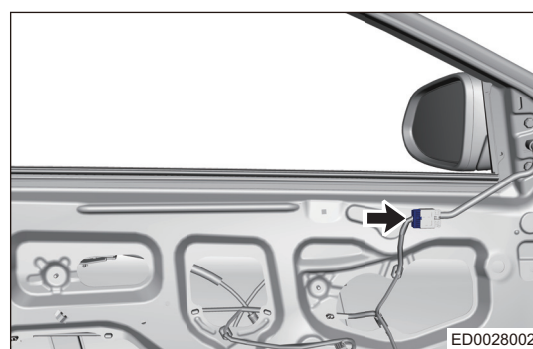
- (a) Remove 2 fixing bolts (arrow) and front left door metal bracket.

Tightening torque

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



- (b) Disconnect outside rear view mirror connector (arrow), and remove connector fixing clip.



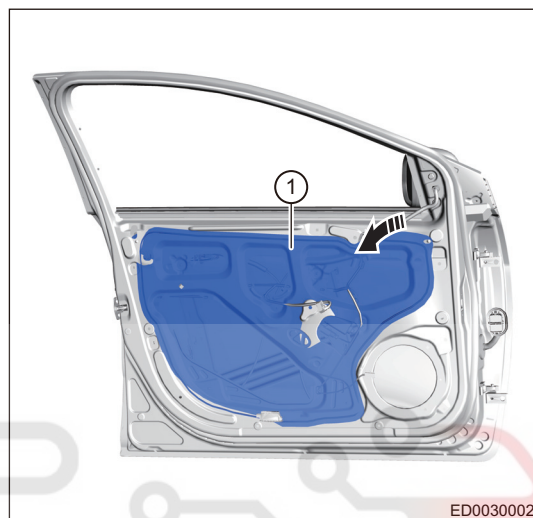
(c) Disconnect the front speaker connector (arrow).



(d) As shown in illustration, remove front left door protective film assembly (1) by gently peeling it along edges from one corner.

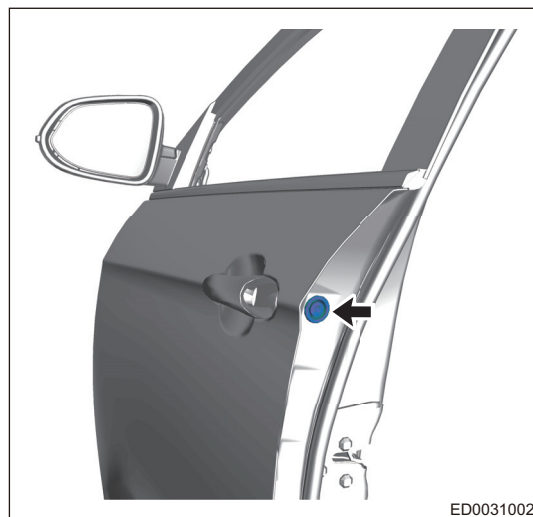
Warning:

- Try to prevent front door protective film from being damaged, when removing front door protective film assembly.
- Place front door protective film assembly properly after removal, and avoid adhesive sticker on front door protective film assembly from sticking to other components.



5. Remove the front left door speaker assembly (See page 41-39).
6. Remove the left outside rear view mirror assembly (See page 47-9).
7. Remove the front left door weather bar (See page 46-93).
8. Remove the front door glass upper run (See page 46-98).
9. Remove the front door glass rear guide rail assembly (See page 46-99).
10. Remove the front door glass assembly (See page 46-95).
11. Remove the front door power glass regulator (See page 46-96).
12. Remove the front left door lock assembly (See page 39-47).
13. Remove the front left door key cylinder assembly (See page 39-50).
14. Remove the front left door outside handle.

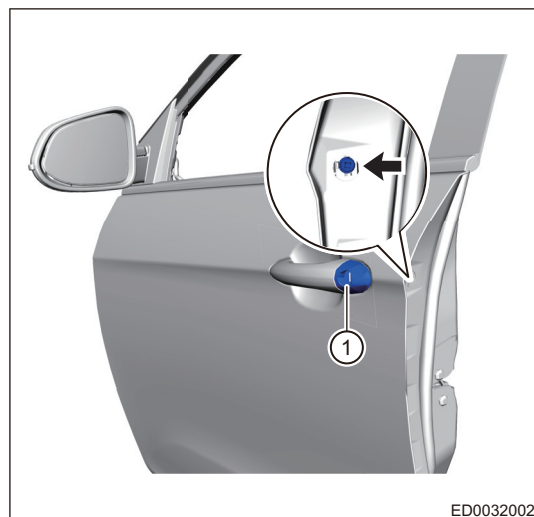
(a) Using an interior crow plate, pry off front left door lock cover plug (arrow).



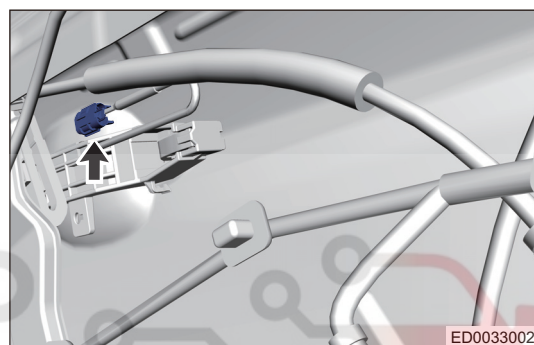
- (b) Loosen fixing screw (arrow) from front door outside handle, and remove key cylinder assembly (1).

Tightening torque

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



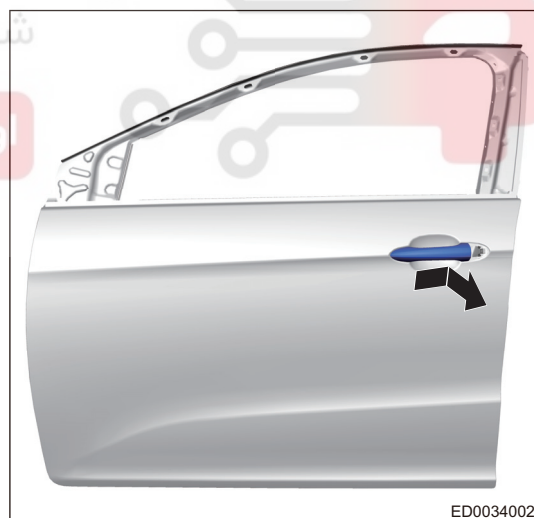
- (c) Disconnect the left door handle sensor connector (arrow).



- (d) Slide and pull front door outside handle in direction of arrow as shown in illustration, and remove it.

Hint:

- It is unnecessary to remove fixing screw from front door outside handle protective cover, because fixing screw is integrated with front door handle base.

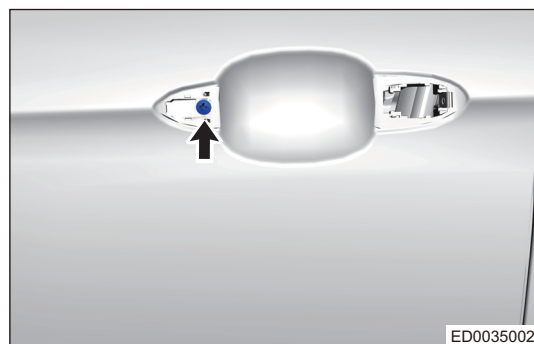


15. Remove the front left door outside handle base assembly.

- (a) Remove fixing screw (arrow) from front door outside handle base assembly.

Tightening torque

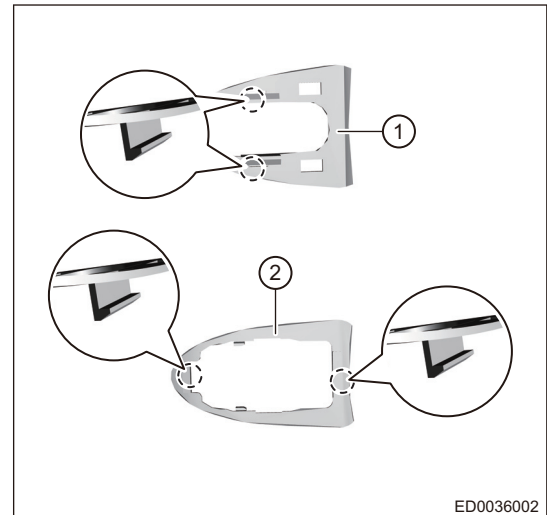
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



- (b) Disengage clip from door lock connecting lever, and remove front left door outside handle base assembly.

16. Remove the front left door outside handle shim.

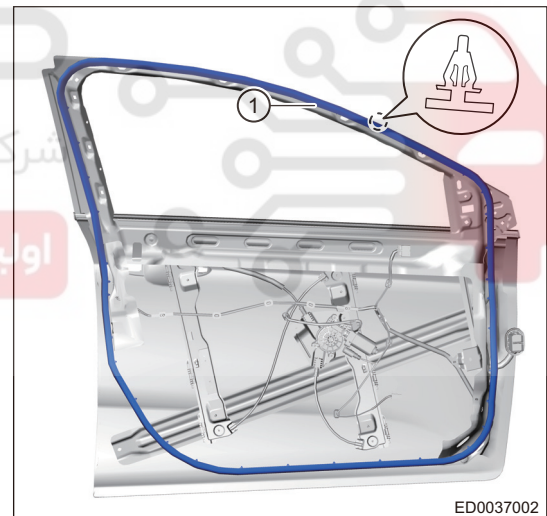
- (a) Disengage claws on front door outside handle front shim, and remove front left door outside handle front shim (1).



- (b) Disengage claws on front door outside handle rear shim, and remove front left door outside handle rear shim (2).

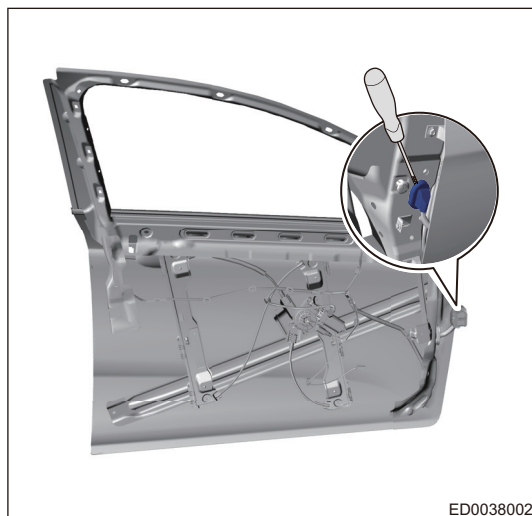
17. Remove the front left door frame weatherstrip.

- (a) Disengage clip on front door frame weatherstrip, and remove front left door frame weatherstrip (1).

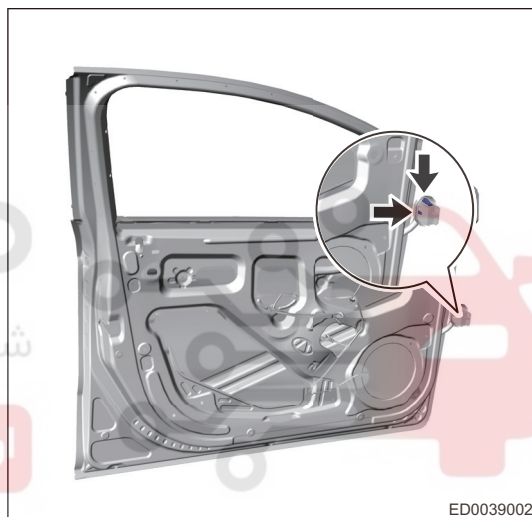


18. Disconnect the front left door wire harness connector.

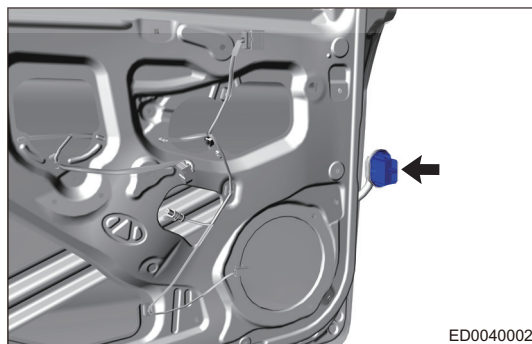
- (a) Using a screwdriver wrapped with protective tape, pry off front door wire harness dust boot.



- (b) Using a screwdriver wrapped with protective tape, pry off claws (arrow) on front left door wire harness connector.



- (c) Disconnect the front left door wire harness connector (arrow).

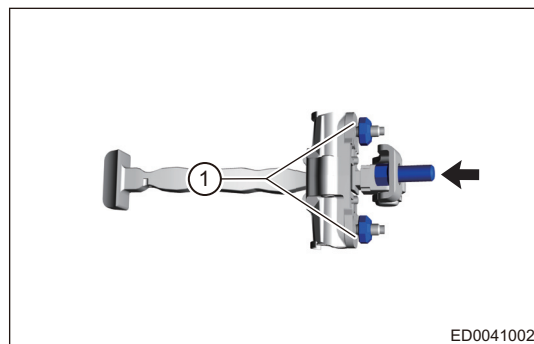


19. Remove the front left door check assembly.

- (a) Remove coupling nuts (1) between door check and door.

Tightening torque

$24 \pm 2.0 \text{ N}\cdot\text{m}$



- (b) Remove coupling bolt (arrow) between door check and front left door.

Tightening torque

$55 \pm 5.0 \text{ N}\cdot\text{m}$

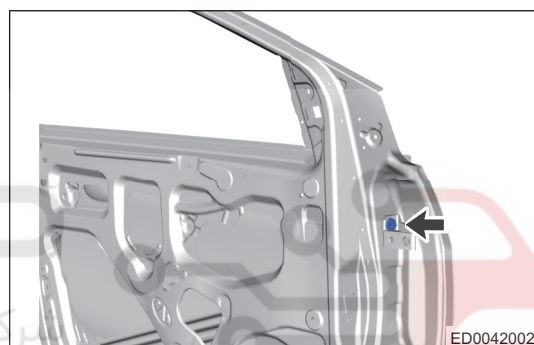
- (c) Remove the front left door check assembly.

20. Remove the front left door assembly.

- (a) Remove fixing bolt (arrow) between door and upper hinge.

Tightening torque

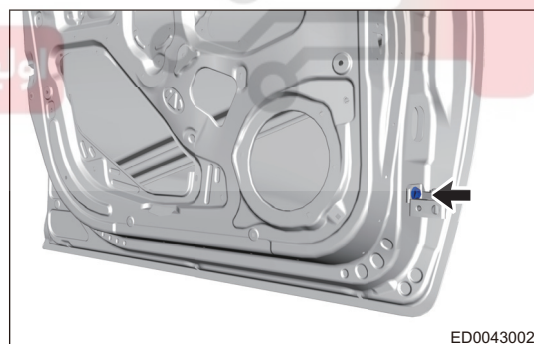
$55 \pm 5.0 \text{ N}\cdot\text{m}$



- (b) Remove fixing bolt (arrow) between door and lower hinge.

Tightening torque

$55 \pm 5.0 \text{ N}\cdot\text{m}$



- (c) Remove the front left door assembly.

Installation

1. Installation is in the reverse order of removal.

Caution:

- Replace damaged clips when installing front door inner protector, and confirm that it is installed in place.
- Stick protective film in specified position, not in a wrong position or an asymmetric position between left and right sides or cover mounting holes of other installation parts.
- DO NOT drag protective film when sticking. It should be installed under its original condition and ensure sheet metal is clean before installation.
- Finished protective film should have no defects, such as wrinkles, bubbles or turnups.
- Finished protective film should have powerful adherence. Protective film sticking should be finished at one time. Avoid repeat sticking.

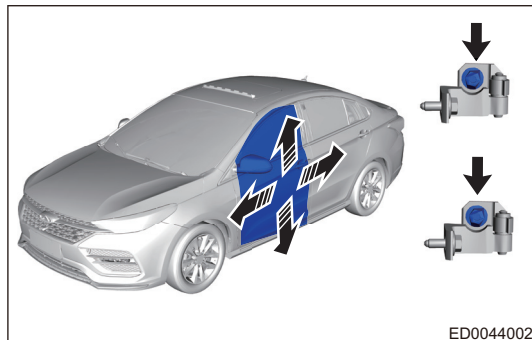
Warning:

- When installing front door assembly, an assistant is needed to hold it, to prevent front door from dropping to cause accidents during operation.
- Be sure to wear safety equipment to prevent accidents, when installing front door assembly.

Adjustment

1. Adjust the front door assembly.

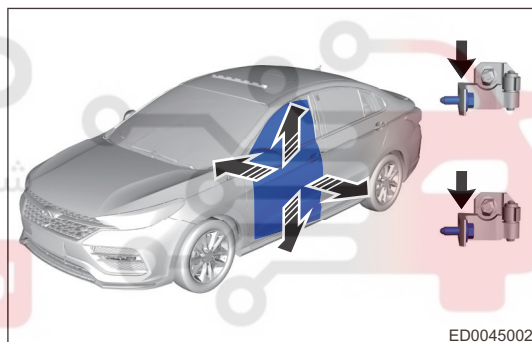
- (a) Loosen 4 fixing bolts on front door hinge assembly and adjust front door assembly position in direction of arrow as shown in illustration.



- (b) After adjustment, tighten fixing bolts on front door hinge assembly to specified torque.

Tightening torque $32 \pm 3.0 \text{ N}\cdot\text{m}$

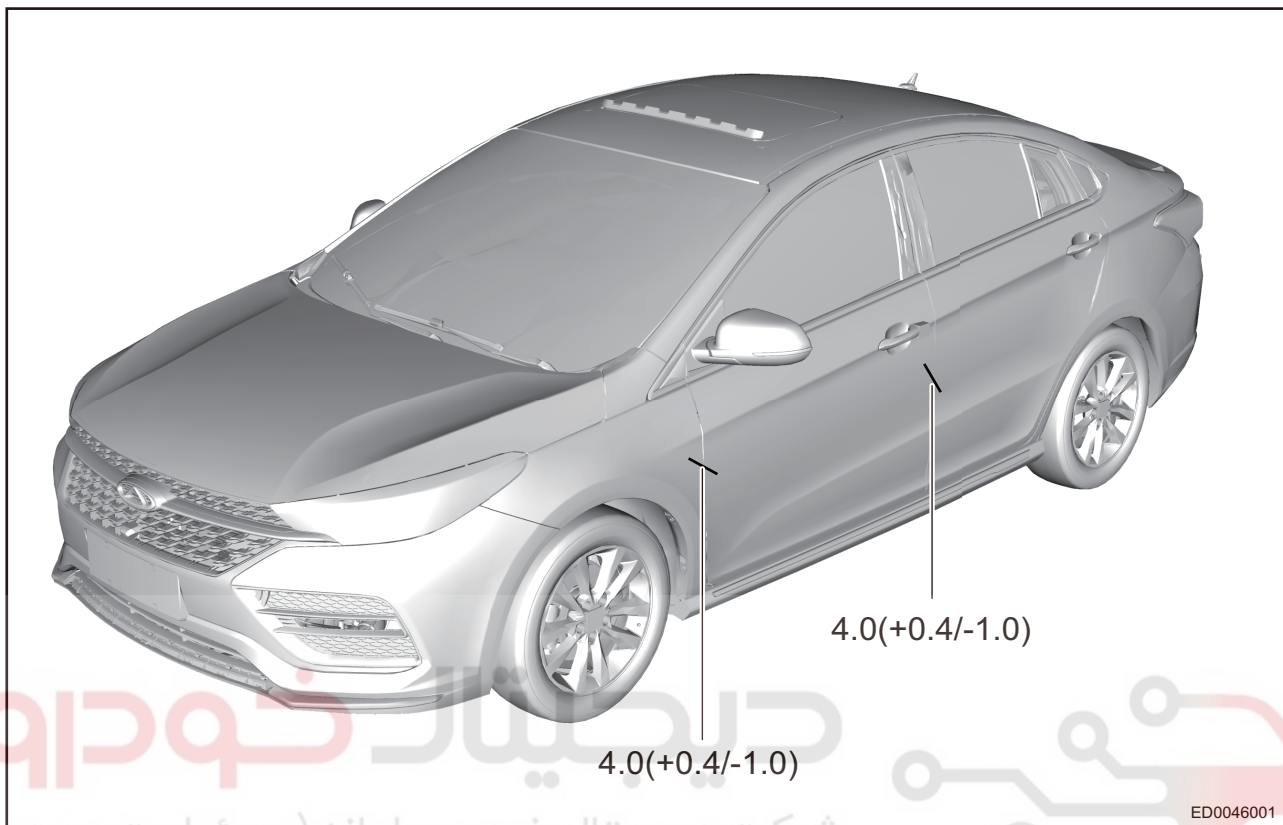
- (c) Loosen 2 fixing bolts between front door hinge assembly and door, and adjust front door assembly position in direction of arrow as shown in illustration.



- (d) After adjustment, tighten fixing bolts on front door hinge assembly to specified torque.

Tightening torque $32 \pm 3.0 \text{ N}\cdot\text{m}$

- (e) Standard ranges of clearance between installation position of front door assembly and each part are as follows.



- (f) After adjustment, make sure that alignment between front door assembly and rear door assembly is within standard range.

Standard alignment

4.0 (+0.4/-1.0) mm

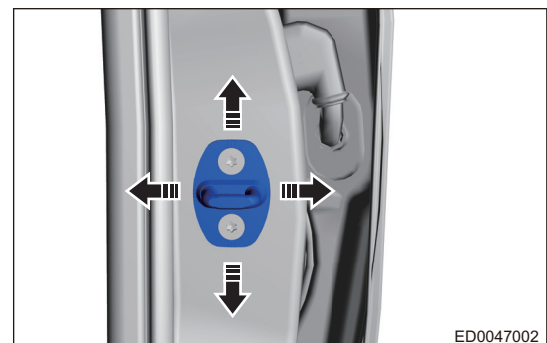
- (g) After adjustment, make sure that alignment between front door assembly and wing assembly is within standard range.

Standard alignment

4.0 (+0.4/-1.0) mm

2. Adjust the front door lock striker.

- (a) Slightly loosen fixing bolts on front door lock striker, and adjust lock striker position by tapping with a plastic hammer in direction of arrow as shown in illustration.



- (b) After adjustment, tighten fixing bolts on front door lock striker to specified torque.

Tightening torque

$23 \pm 2.0 \text{ N}\cdot\text{m}$

Inspection

1. Check front door assembly for wear or deformation during installation, and repair as necessary.
2. Check if fixing bolts are installed in place. Tighten them to specified torque as necessary.
3. Check if clearance and alignment between installation position of front door assembly and each part are within specified range. Adjust as necessary.

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Rear Door Inner Protector Assembly

Removal

Warning/Caution/Hint

Hint:

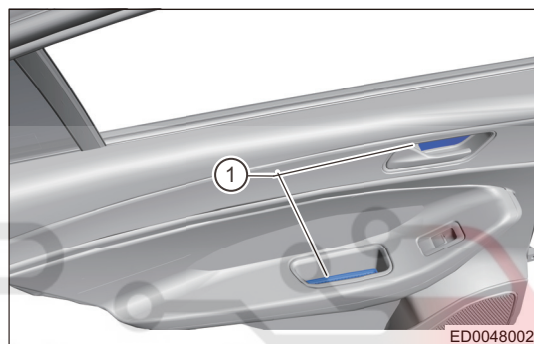
- Use same procedures for right and left sides.
- Procedures listed below are for left side.

Caution:

- Be sure to wear safety equipment to prevent accidents, when removing rear door inner protector assembly.
- Try to prevent rear door inner protector surface from being damaged, when removing rear door inner protector assembly.

1. Turn off all electrical equipment and the ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the rear left door inside handle screw cover plug.

- (a) Using an interior crow plate, pry off rear left door inside handle screw cover plug and inside handle cover plug (1).



4. Remove the rear left door inner protector assembly.

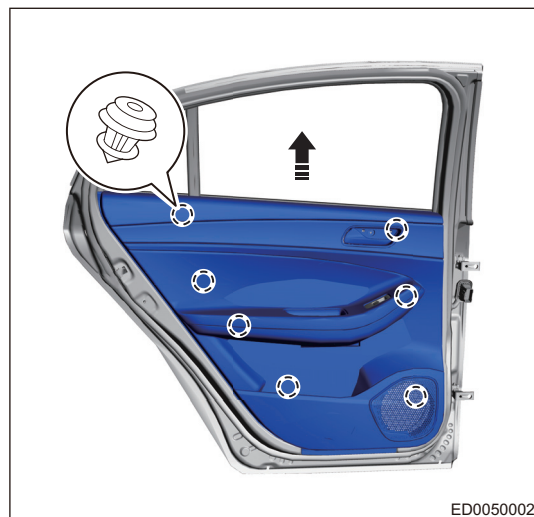
- (a) Remove 5 fixing screws (arrow) from rear left door inner protector assembly.

Tightening torque

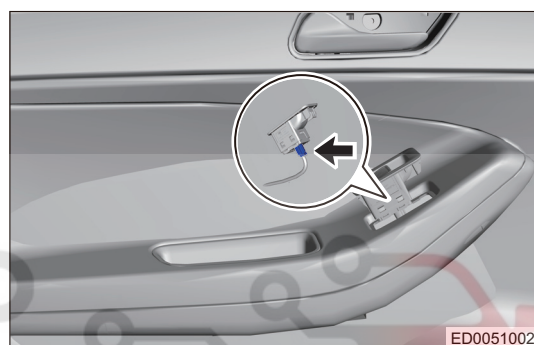
$1.5 \pm 0.5 \text{ N}\cdot\text{m}$



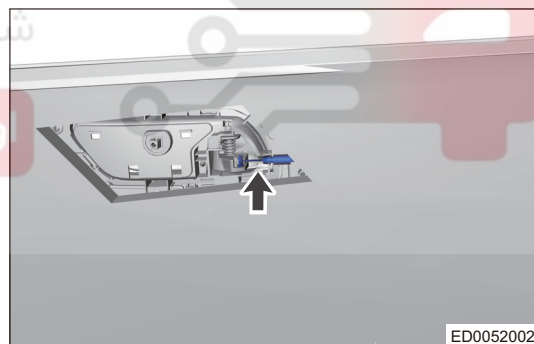
- (b) Using an interior crow plate, pry off clips on rear door inner protector assembly, and remove rear door inner protector assembly in direction of arrow as shown in illustration.



- (c) Disconnect the rear door power glass regulator switch connector (arrow).



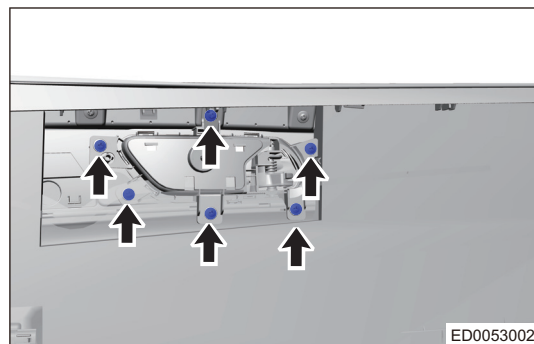
- (d) Disengage handle cable (arrow) from rear door inside handle, and remove inner protector assembly.



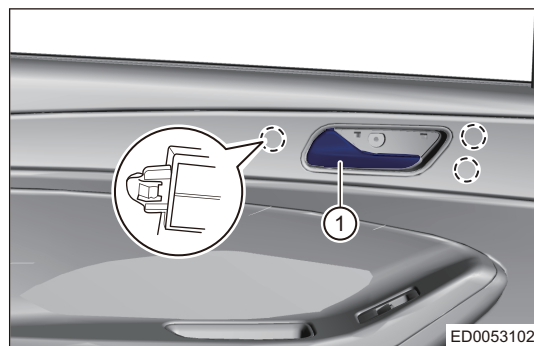
5. Remove the rear door inside handle.

- (a) Remove 6 fixing screws (arrow) from rear door inside handle.

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



- (b) Using an interior crow plate, pry off claws on rear door inside handle (1), and remove rear door inside handle.



Installation

1. Installation is in the reverse order of removal.

Caution:

- Replace damaged clips and install rear door inner protector assembly in place, when installing rear door inner protector assembly.
- Check that inside handle can be used properly, after installing rear door inner protector assembly.

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Rear Door 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 installing rear door assembly.
- Try to prevent body paint surface from being scratched, when removing rear door assembly.

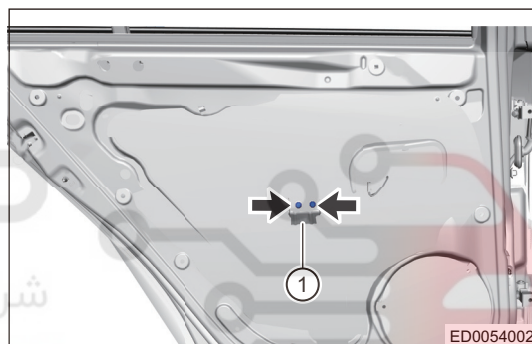
Warning:

- When removing rear door assembly, an assistant is needed to hold it, to prevent rear door from dropping to cause accidents during operation.
1. Turn off all electrical equipment and the ENGINE START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the rear left door inner protector assembly (See page 50-28).
 4. Remove the rear left door protective film assembly.

- (a) Remove 2 fixing bolts (arrow) and rear left door metal bracket (1).

Tightening torque

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



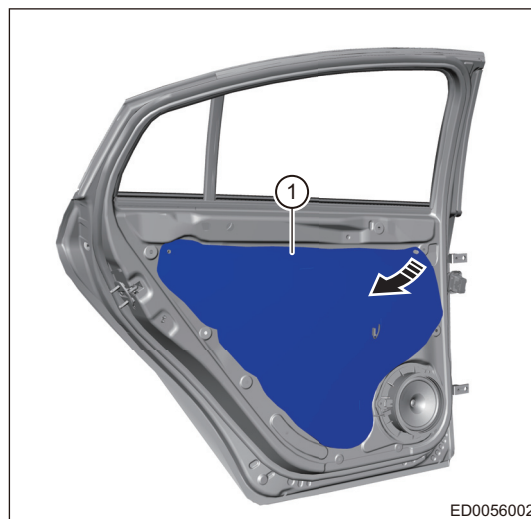
- (b) Disconnect the full-range speaker connector (arrow).



- (c) As shown in illustration, remove rear left door protective film assembly (1) by gently peeling it along edges from one corner.

Caution:

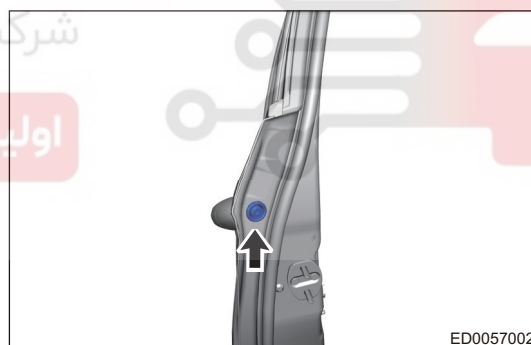
- Try to prevent rear door protective film from being damaged, when removing rear door protective film assembly.
- Place rear door protective film assembly properly after removal, and avoid adhesive sticker on rear door protective film assembly from sticking to other components.



ED0056002

5. Remove the rear left door full-range speaker (See page 41-39).
6. Remove the rear left door weather bar (See page 46-103).
7. Remove the rear door glass upper run (See page 46-104).
8. Remove the rear door glass assembly (See page 46-105).
9. Remove the rear door triangular window glass (See page 46-114).
10. Remove the rear door glass guide rail assembly (See page 39-53).
11. Remove the rear door power glass regulator (See page 46-107).
12. Remove the rear left door lock assembly (See page 39-53).
13. Remove the rear left door outside handle cover.

- (a) Remove the rear left door outside handle cover plug (arrow).

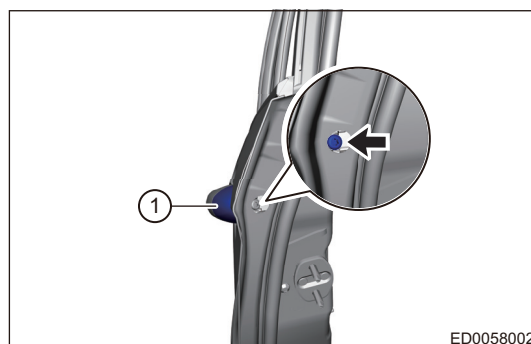


ED0057002

- (b) Loosen fixing screw (arrow) on rear door outside handle cover, and remove rear door outside handle cover (1).

Tightening torque

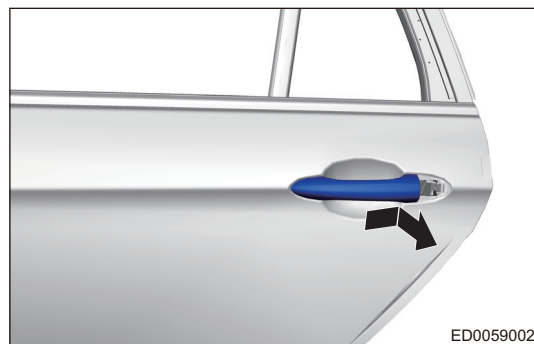
$5 \pm 1.0 \text{ N}\cdot\text{m}$



ED0058002

14. Remove the rear left door outside handle.

- (a) Slide and pull rear door outside handle in direction of arrow as shown in illustration, then remove it.

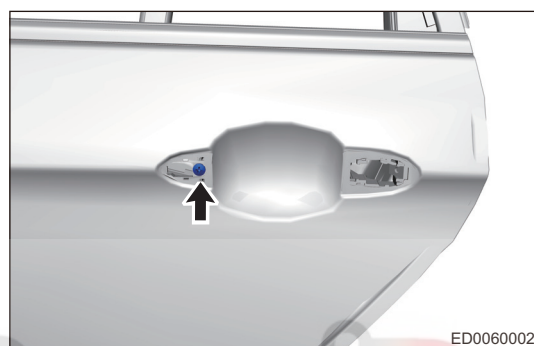


15. Remove the rear left door outside handle base assembly.

- (a) Remove fixing screw (arrow) from rear door outside handle base assembly, and remove rear left door outside handle base assembly.

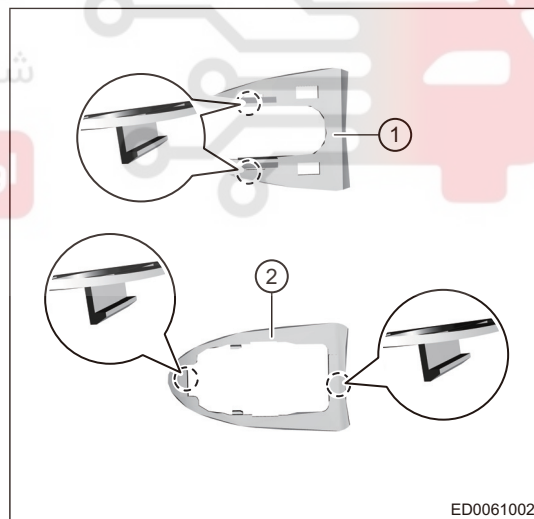
Tightening torque

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



16. Remove the rear left door outside handle shim.

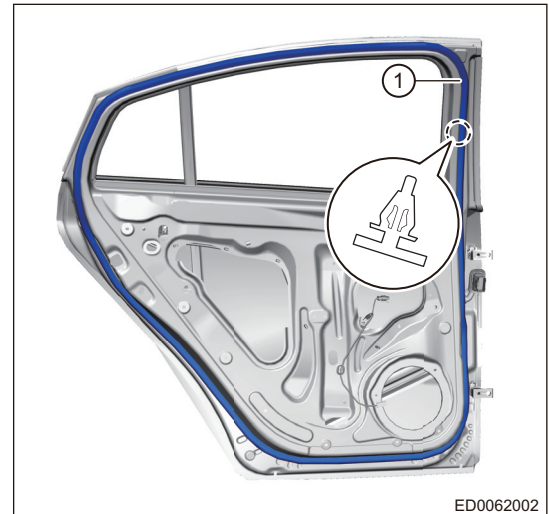
- (a) Disengage claws on rear door outside handle front shim, and remove rear left door outside handle front shim (1).



- (b) Disengage claws on rear door outside handle rear shim, and remove rear left door outside handle rear shim (2).

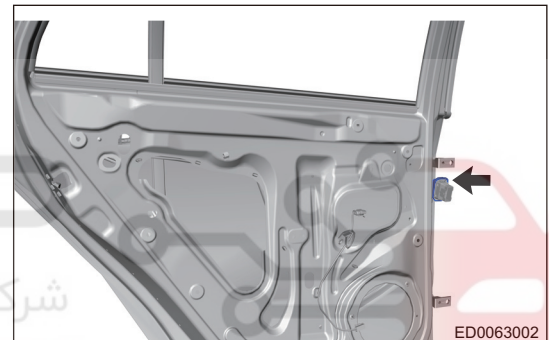
17. Remove the rear left door frame weatherstrip.

- (a) Disengage clip on rear door frame weatherstrip, and remove rear left door frame weatherstrip (1).

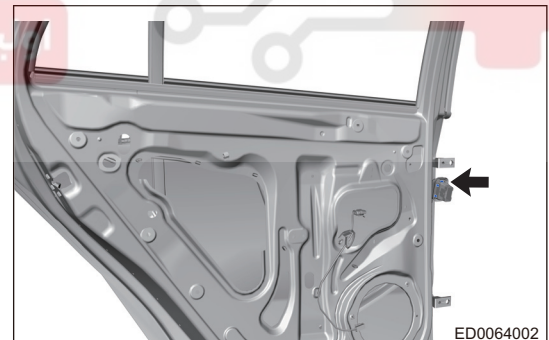


18. Disconnect the rear left door connector.

- (a) Using an interior crow plate, pry off rear door dust boot.



- (b) Using an interior crow plate, pry off claw on connector.

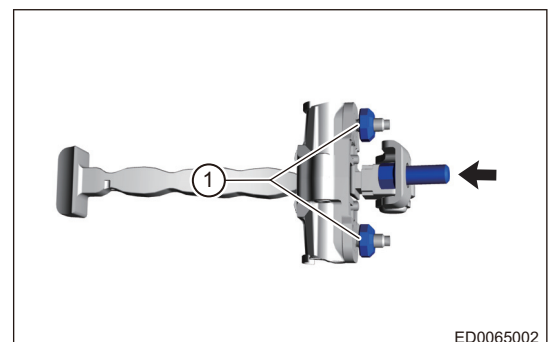


- (c) Disconnect the rear left door wire harness connector (arrow).

19. Remove the rear left door check.

- (a) Remove 2 coupling nuts (1) between door check and rear left door.

Tightening torque
 $24 \pm 2.0 \text{ N}\cdot\text{m}$



- (b) Remove coupling bolt (arrow) between door check and body.

Tightening torque

$55 \pm 5.0 \text{ N}\cdot\text{m}$

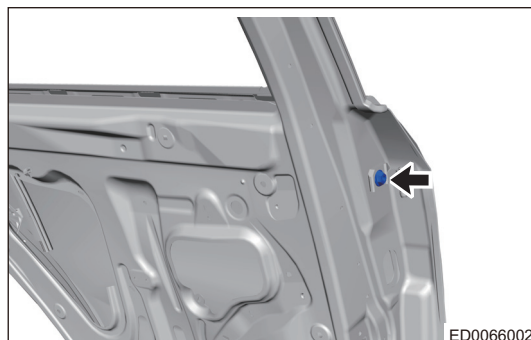
- (c) Remove rear left door check assembly from inside of door assembly.

20. Remove the rear left door assembly.

- (a) Remove fixing bolt (arrow) between rear door upper hinge assembly and rear door assembly.

Tightening torque

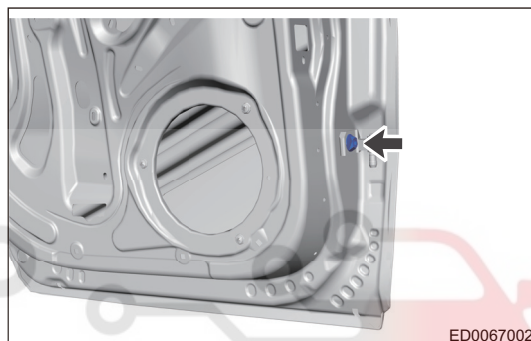
$55 \pm 5.0 \text{ N}\cdot\text{m}$



- (b) Remove fixing bolt (arrow) between rear door lower hinge assembly and rear door assembly.

Tightening torque

$55 \pm 5.0 \text{ N}\cdot\text{m}$



- (c) Remove the rear left door assembly.

Installation

1. Installation is in the reverse order of removal.

Caution:

- Replace damaged clips and install rear door inner protector in place, when installing rear door inner protector.
- Stick protective film in specified position, not in a wrong position or an asymmetric position between left and right sides or cover mounting holes of other installation parts.
- DO NOT drag protective film when sticking. It should be installed under its original condition and ensure sheet metal is clean before installation.
- Finished protective film should have no defects, such as wrinkles, bubbles or turnups.
- Finished protective film should have powerful adherence. Protective film sticking should be finished at one time. Avoid repeat sticking.

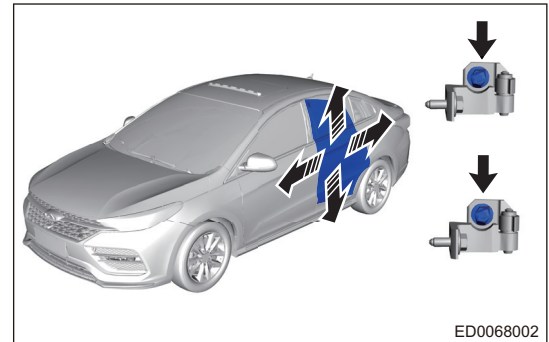
Warning:

- Be sure to wear safety equipment to prevent accidents, when installing rear door assembly.
- When installing rear door assembly, an assistant is needed to hold it, to prevent rear door from dropping to cause accidents during operation.

Adjustment

1. Adjust the rear door assembly.

- (a) Loosen 2 fixing bolts between rear door hinge assembly and door, and adjust rear door assembly position in direction of arrow as shown in illustration.

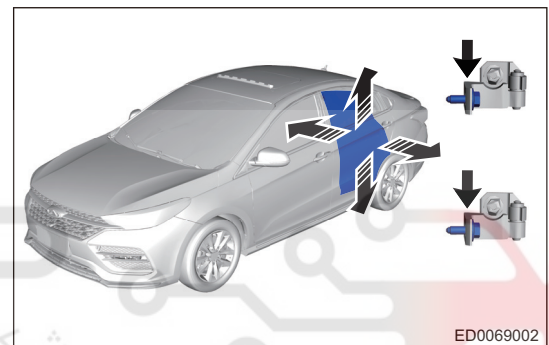


- (b) After adjustment, tighten fixing bolts on rear door hinge assembly to specified torque.

Tightening torque

$55 \pm 5.0 \text{ N}\cdot\text{m}$

- (c) Loosen 4 fixing bolts between rear door hinge assembly and side panel, and adjust rear door assembly position in direction of arrow as shown in illustration.

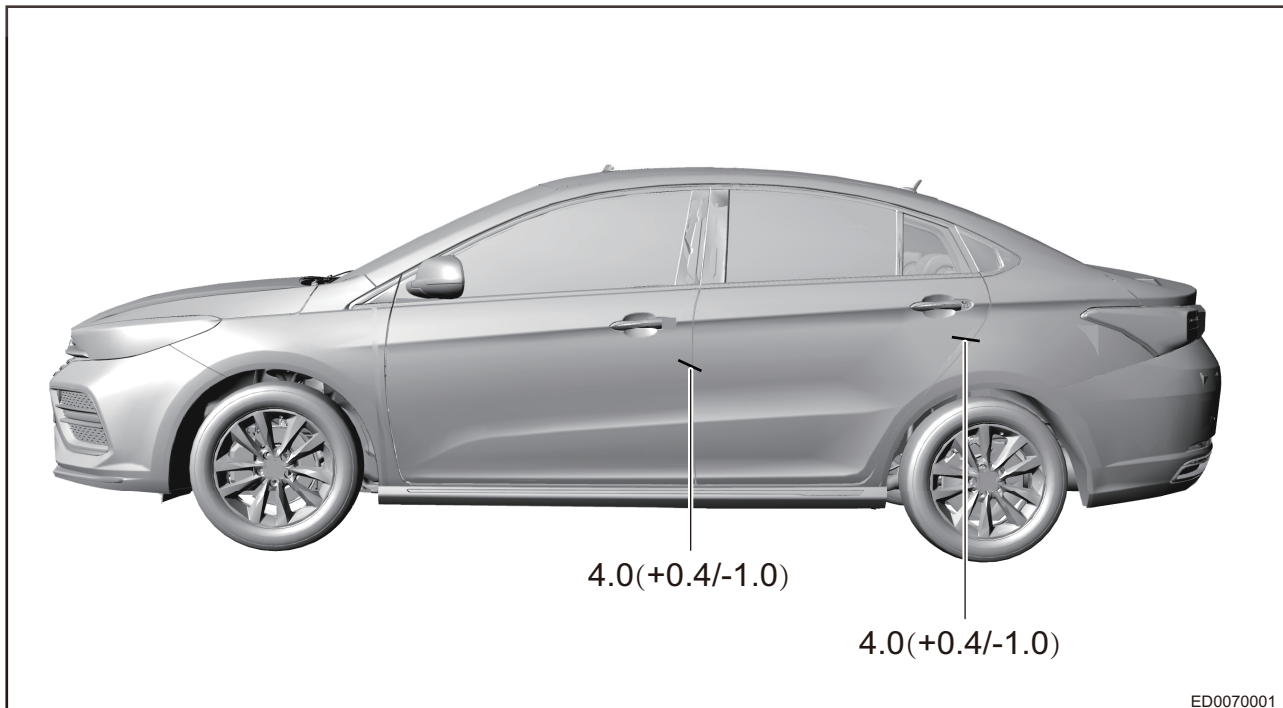


- (d) After adjustment, tighten fixing bolts on rear door hinge assembly to specified torque.

Tightening torque

$32 \pm 3.0 \text{ N}\cdot\text{m}$

- (e) Standard ranges of clearance between installation position of rear door assembly and each part are as follows.



- (f) After adjustment, make sure that alignment between rear door assembly and front door assembly is within standard range.

Standard alignment

4.0 (+0.4/-1.0) mm

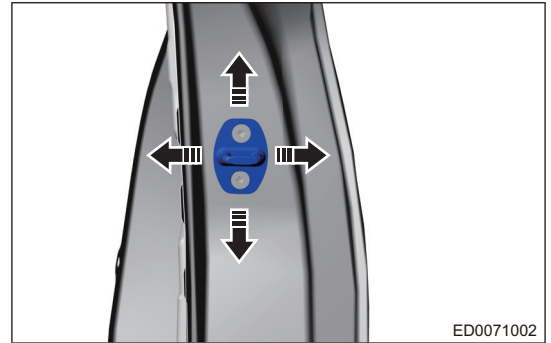
- (g) After adjustment, make sure that alignment between rear door assembly and body outer panel is within standard range.

Standard alignment

4.0 (+0.4/-1.0) mm

2. Adjust the rear left door lock striker assembly.

- (a) Slightly loosen fixing bolt on rear door lock striker, and adjust lock striker position by tapping with a plastic hammer in direction of arrow.



- (b) After adjustment, tighten fixing bolt on rear door lock striker assembly to specified torque.

Tightening torque

23 ± 2.0 N·m

Inspection

1. Check rear door assembly for wear or deformation during installation, and repair as necessary.
2. Check if fixing bolts are installed in place. Tighten them to specified torque as necessary.
3. Check if clearance and alignment between installation position of rear door assembly and each part are within specified range. Adjust as necessary.

Luggage Compartment Door Assembly

Removal

Warning/Caution/Hint

Caution:

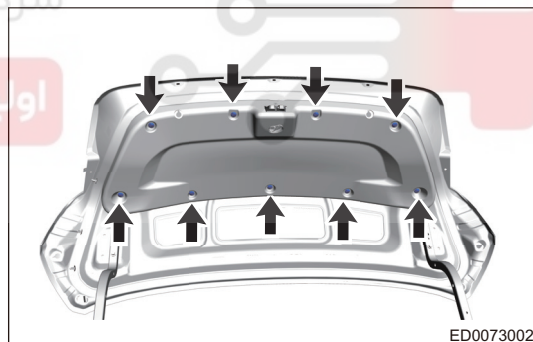
- Be sure to wear necessary safety equipment when removing luggage compartment door assembly.
- Try to prevent body paint surface from being scratched, when removing luggage compartment door assembly.

Warning:

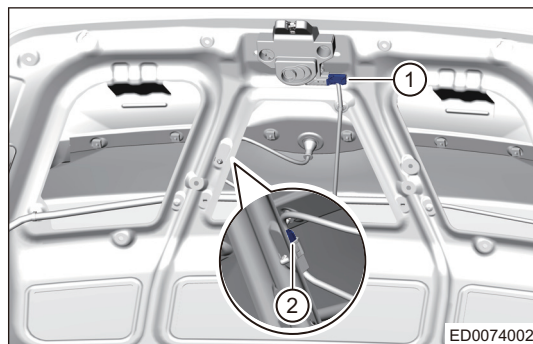
- When removing luggage compartment door assembly, an assistant is needed to hold it. Try to prevent luggage compartment door from dropping or suddenly closing to cause accidents during operation.
1. Turn off all electrical equipment and the ENGINE START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the luggage compartment door adjustable buffer block.
 - (a) Turn 4 luggage compartment door adjustable buffer blocks counterclockwise to remove them.



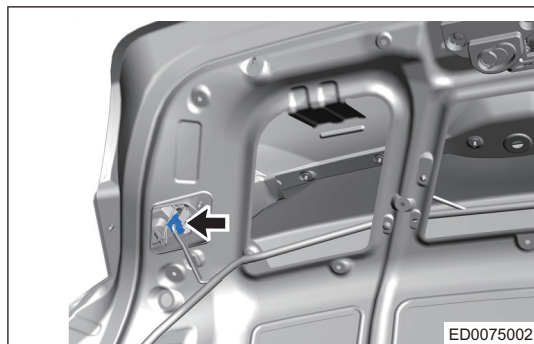
4. Remove the luggage compartment door trim board assembly.
 - (a) Remove plastic clips (arrow) from luggage compartment door trim board assembly.



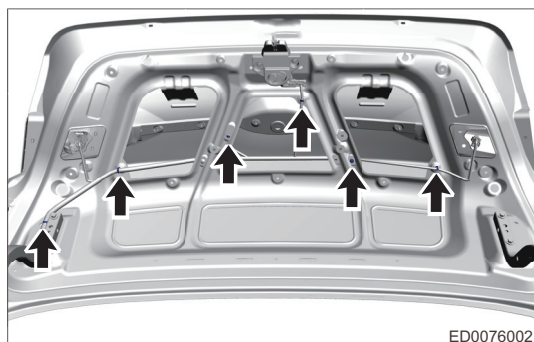
- (b) Remove the luggage compartment door trim board assembly.
5. Remove the luggage compartment door assembly.
 - (a) Disconnect luggage compartment door lock wire harness connector (1) and luggage compartment contact switch connector (2).



- (b) Disconnect the rear combination light movable part connector (arrow).



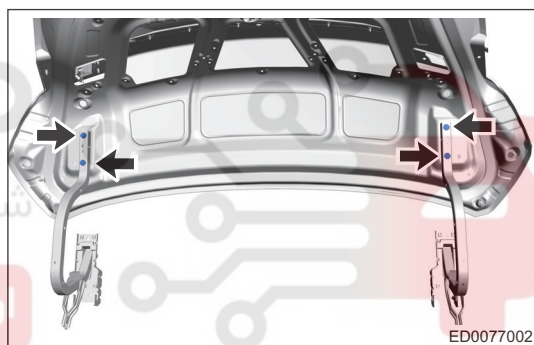
- (c) Using a screwdriver wrapped with protective tape, pry off luggage compartment wire harness fixing clips (arrow).



- (d) Remove 4 fixing bolts (arrow) between luggage compartment door hinge assembly and luggage compartment door assembly, and remove luggage compartment door assembly.

Tightening torque

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



Installation

1. Installation is in the reverse order of removal.

Caution:

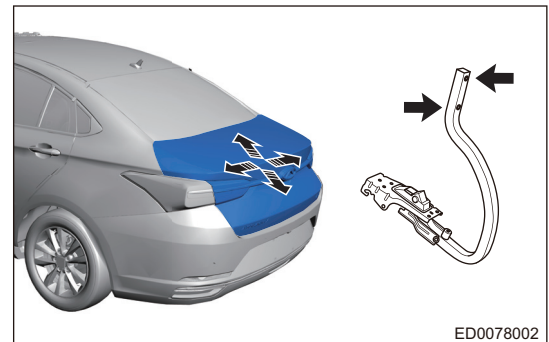
- Be sure to wear safety equipment to prevent accidents, when installing luggage compartment door assembly.
- Try to prevent body paint surface from being scratched, when installing luggage compartment door assembly.

Warning:

- When installing luggage compartment door assembly, an assistant is needed to hold it. Try to prevent luggage compartment door from dropping or suddenly closing to cause accidents during operation.

Adjustment

1. Adjust the luggage compartment door assembly.
 - (a) Loosen fixing bolts on luggage compartment door assembly, and adjust luggage compartment door assembly position in direction of arrow as shown in illustration.

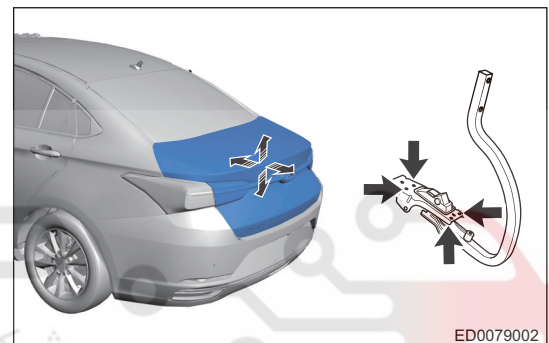


- (b) After adjustment, tighten fixing bolts on luggage compartment door assembly to specified torque.

Tightening torque

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

- (c) Loosen fixing bolts on luggage compartment door assembly, and adjust luggage compartment door assembly position in direction of arrow as shown in illustration.

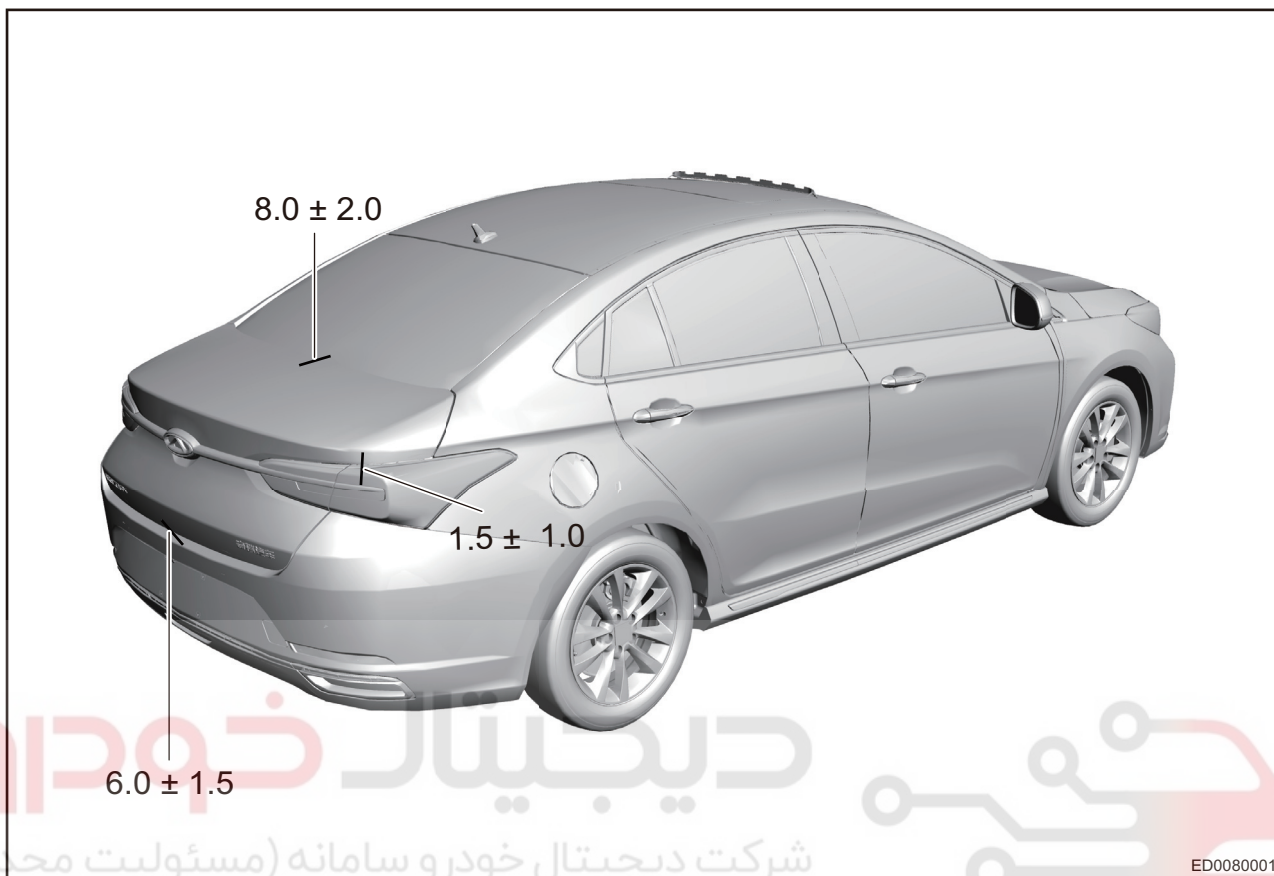


- (d) After adjustment, tighten fixing bolts on luggage compartment door assembly to specified torque.

Tightening torque

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

- (e) Standard ranges of clearance between installation position of luggage compartment door assembly and each part are as follows:



2. Adjust height of luggage compartment door with luggage compartment adjustable buffer blocks.

- (a) Lower or raise luggage compartment door by rotating luggage compartment adjustable buffer blocks clockwise or counterclockwise.



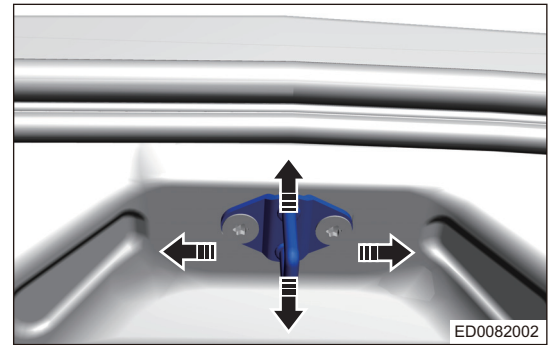
- (b) After adjustment, make sure that alignment between luggage compartment door and rear combination light (movable part) is within standard range.

Standard alignment

1.5 ± 1.0 mm

3. Adjust the luggage compartment lock striker assembly.

- (a) Slightly loosen fixing screws on luggage compartment lock striker assembly, and adjust luggage compartment lock striker assembly position by tapping with a plastic hammer in direction of arrow as shown in illustration.



- (b) After adjustment, tighten fixing screws on luggage compartment lock striker assembly to specified torque.

Tightening torque

$23 \pm 1.0 \text{ N}\cdot\text{m}$

Inspection

After luggage compartment door assembly is adjusted, perform following inspections:

1. Check luggage compartment door for wear or deformation during installation, and repair as necessary.
2. Check if fixing bolts are installed in place. Tighten them to specified torque as necessary.
3. Check if clearance and alignment between installation position of luggage compartment door assembly and each part are within specified range. Adjust as necessary.

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



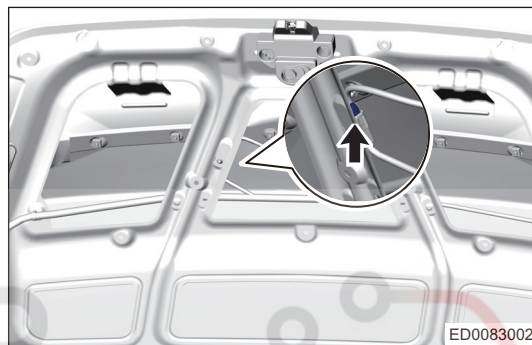
Luggage Compartment Door Opener Switch Assembly

Removal

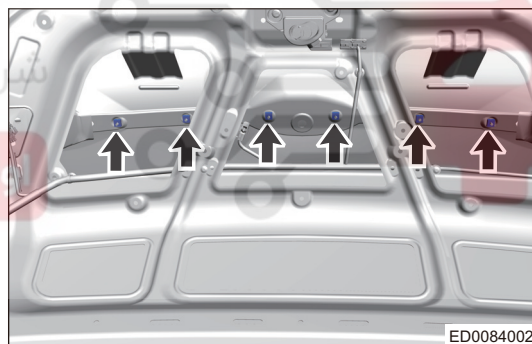
Warning/Caution/Hint

Caution:

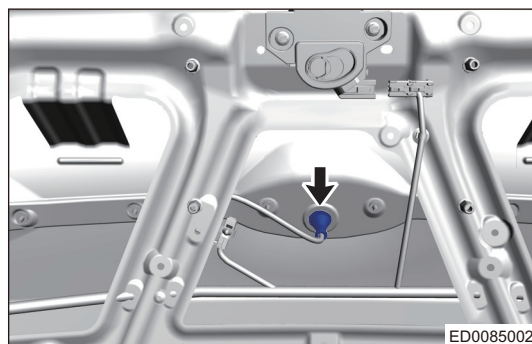
- Be sure to wear necessary safety equipment to prevent accidents, when removing luggage compartment door opener switch assembly.
 - Try to prevent body paint surface from being scratched, when removing luggage compartment door opener switch assembly.
1. Turn off all electrical equipment and the ENGINE START STOP switch.
 2. Disconnect the negative battery cable.
 3. Remove the luggage compartment door trim board assembly (See page 50-38).
 4. Remove the luggage compartment door opener switch assembly.
 - (a) Disconnect the luggage compartment door opener switch connector (arrow).



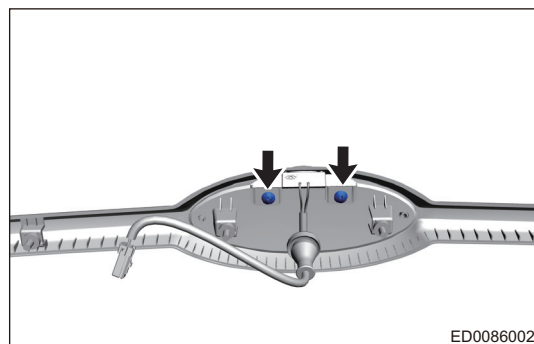
- (b) Remove 6 fixing nuts (arrow) from luggage compartment door garnish.



- (c) Using a screwdriver wrapped with protective tape, pry off rubber cushion (arrow), and remove luggage compartment door garnish.



- (d) Remove 2 fixing screws (arrow) and luggage compartment door opener switch.



Installation

1. Installation is in the reverse order of removal.

Caution:

- Install connectors in place, after installing luggage compartment door opener switch assembly.
- Check that luggage compartment door opener switch assembly functions properly after installation.

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Luggage Compartment Door Hinge Assembly

Removal

Warning/Caution/Hint

Hint:

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

Caution:

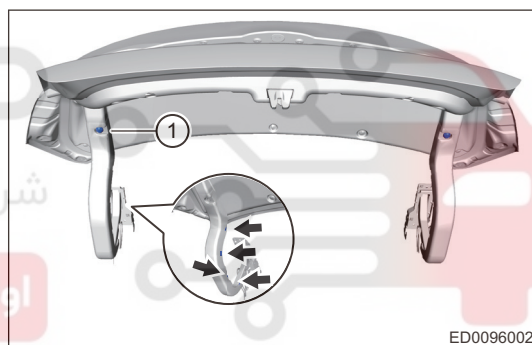
- Be sure to wear necessary safety equipment to prevent accidents, when removing luggage compartment door hinge assembly.
- When removing luggage compartment door hinge assembly, try to prevent luggage compartment door from dropping, otherwise, body or rear windshield may be damaged.

Warning:

- When removing luggage compartment door hinge assembly, an assistant is needed to hold it. Try to prevent luggage compartment door from dropping or suddenly closing to cause accidents during operation.

1. Turn off all electrical equipment and the ENGINE START STOP switch.
2. Disconnect the negative battery cable.
3. Remove the tonneau cover assembly (See page 52-35).
4. Remove the luggage compartment door hinge boot assembly.

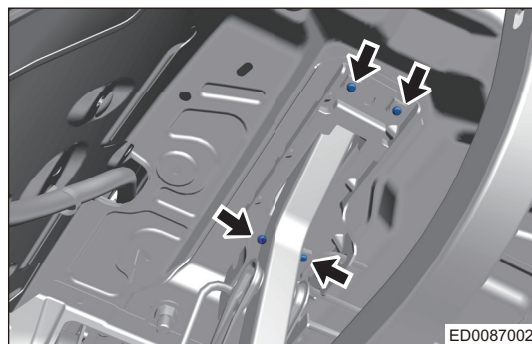
- (a) Remove fixing clip (1) and 4 clips (arrow) from luggage compartment door left hinge boot assembly.



- (b) Remove the luggage compartment door hinge boot assembly.

5. Remove the luggage compartment door hinge assembly (take left side as an example).

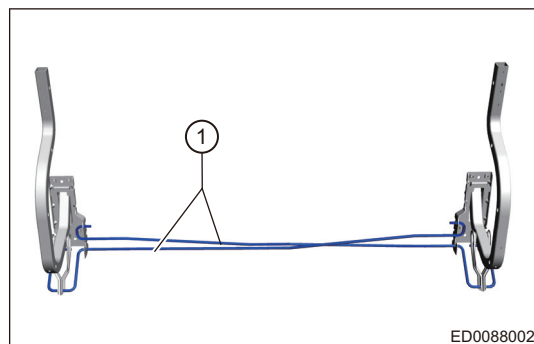
- (a) Remove 4 coupling bolts (arrow) between luggage compartment door left hinge assembly and body, and remove luggage compartment door hinge assembly.



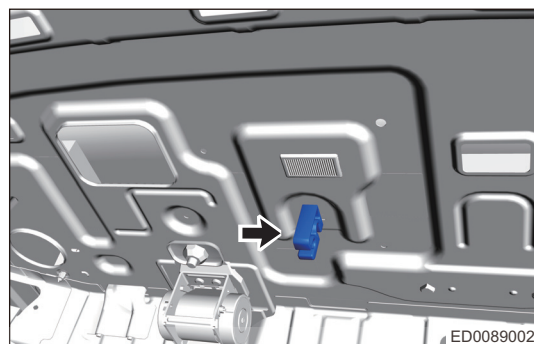
Tightening torque

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

- (b) Remove luggage compartment door left and right torsion bars (1).



- (c) Remove holder (arrow) fixing luggage compartment door left and right torsion bars.



Installation

1. Installation is in the reverse order of removal.

Caution:

- After installing luggage compartment door hinge assembly, it is necessary to adjust luggage compartment door.

شرکت دیجیتال خودرو سامانه (تست و ترمیم محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران