

ENGINE HOOD/DOOR

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دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

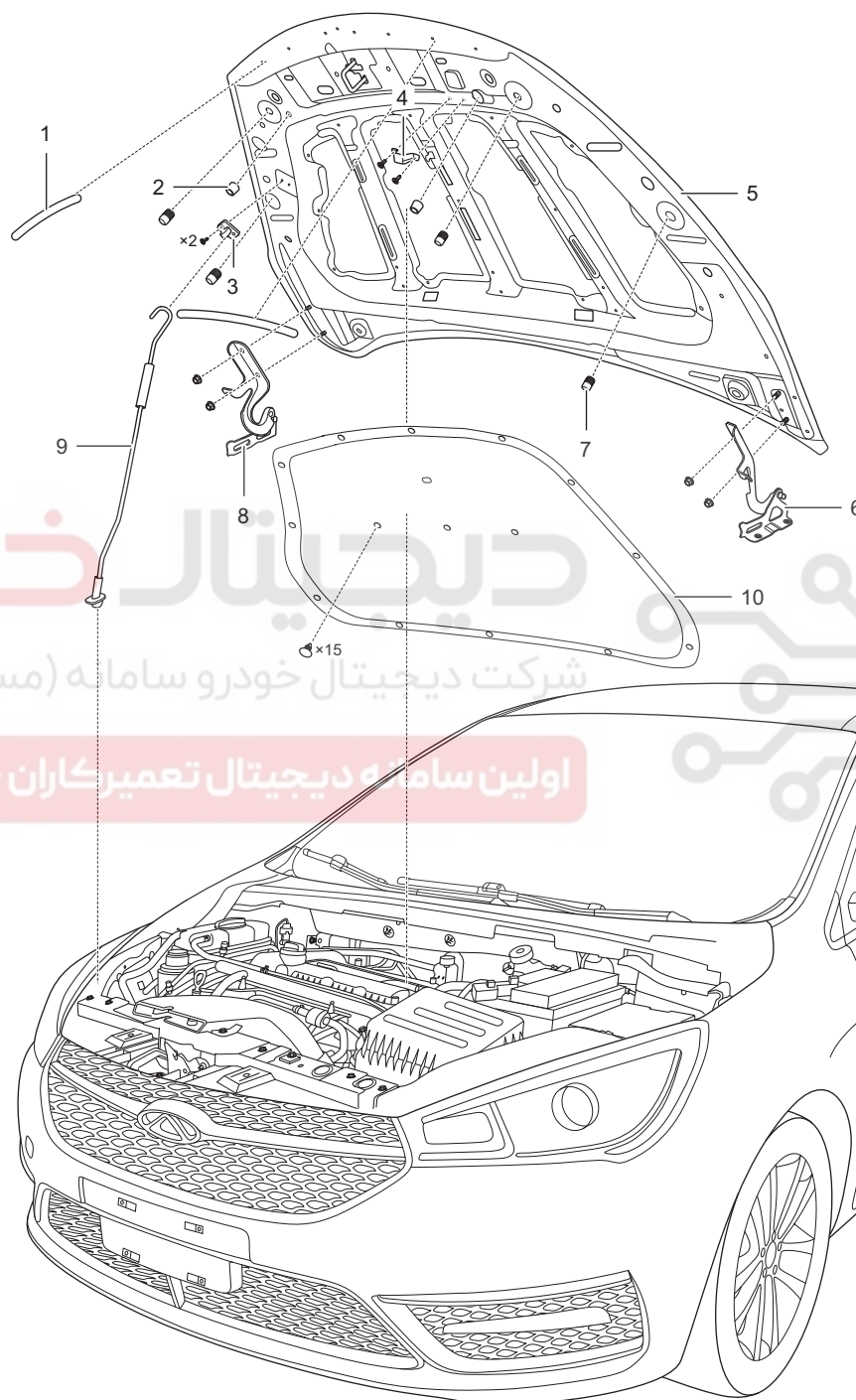
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GENERAL INFORMATION

Description

Hood Assembly



RM1A470010

48 - ENGINE HOOD/DOOR

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

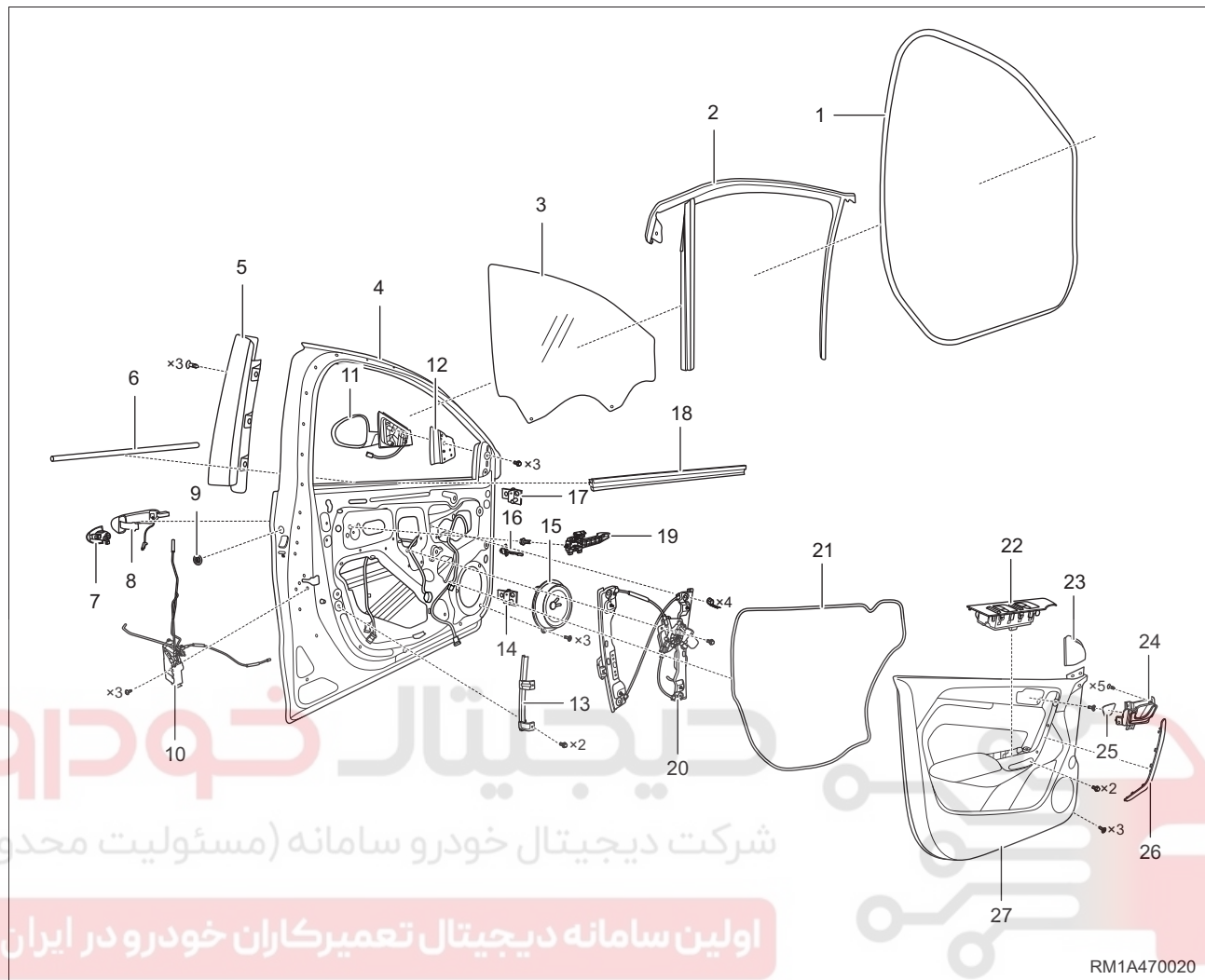
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اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

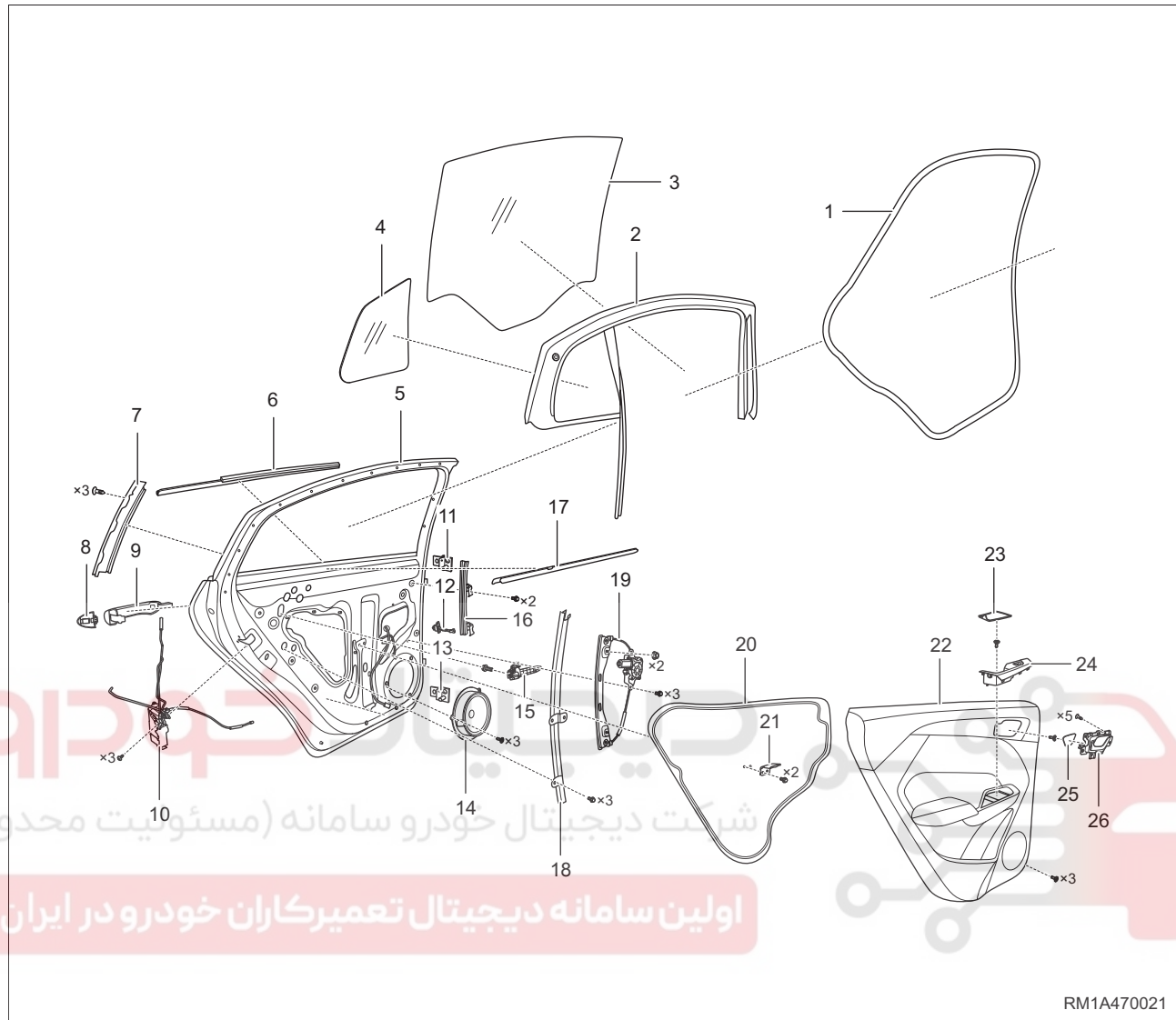


Front Left Door Assembly



1 - Front Door Frame Weatherstrip	2 - Front Door Glass Upper Run
3 - Front Door Glass Assembly	4 - Front Door Assembly
5 - Front Door Cover Plate	6 - Front Door Outer Weather Bar
7 - Key Cylinder Assembly	8 - Front Door Outside Handle Assembly
9 - Block Cover	10 - Front Door Lock Assembly
11 - Outside Rear View Mirror Assembly	12 - Outside Rear View Mirror Spacer
13 - Front Door Glass Rear Guide Rail Assembly	14 - Front Door Lower Hinge Assembly
15 - Front Speaker	16 - Door Check
17 - Front Door Upper Hinge Assembly	18 - Front Door Inner Weather Bar
19 - Front Door Outside Handle Base Assembly	20 - Front Door Power Glass Regulator Assembly
21 - Front Door Protective Film Assembly	22 - Front Door Glass Regulating Switch Assembly
23 - Outside Rear View Mirror Inner Triangular Block Assembly	24 - Front Door Inside Handle
25 - Front Door Inside Handle Screw Block Cover	26 - Front Door Inside Handle Cover Plate
27 - Front Door Inner Protector Assembly	

Rear Left Door Assembly

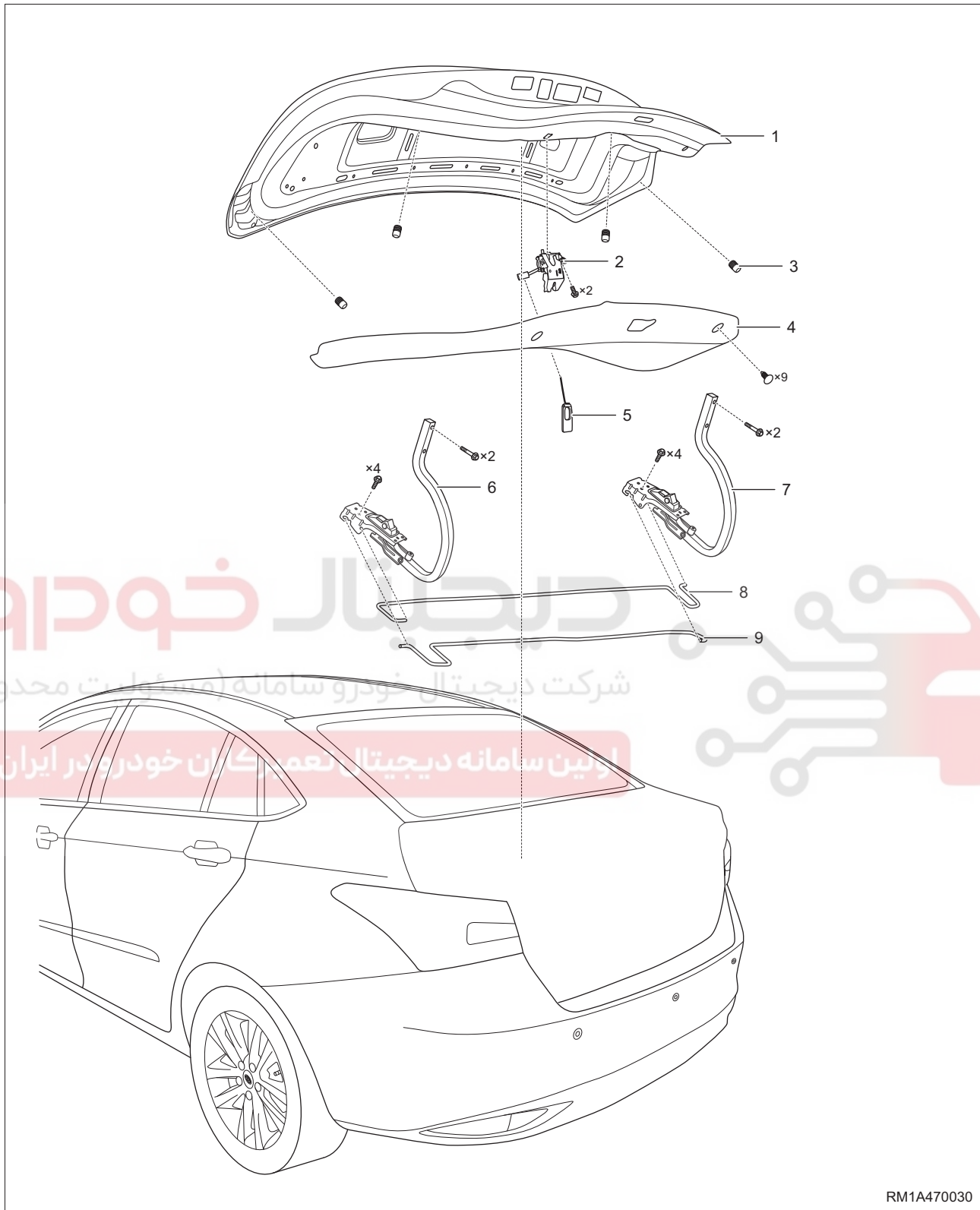


RM1A470021

48

1 - Rear Door Frame Weatherstrip	2 - Rear Door Glass Upper Run
3 - Rear Door Glass Assembly	4 - Rear Door Triangular Window Glass
5 - Rear Door Assembly	6 - Rear Door Outer Weather Bar
7 - Rear Door Cover Plate	8 - Door Handle Cover - Primer
9 - Rear Door Outside Handle	10 - Rear Door Lock Assembly
11 - Rear Door Upper Hinge Assembly	12 - Rear Door Check
13 - Rear Door Lower Hinge Assembly	14 - Speaker
15 - Rear Door Outside Handle Base Assembly	16 - Rear Door Front Glass Guide Rail Assembly
17 - Rear Door Inner Weather Bar	18 - Rear Door Rear Glass Guide Rail Assembly
19 - Rear Door Power Glass Regulator	20 - Rear Door Protective Film Assembly
21 - Rear Door Metal Bracket	22 - Rear Door Inner Protector Assembly
23 - Rear Door Inside Handle Trim Cover Gasket	24 - Power Glass Regulating Switch Assembly
25 - Rear Door Inside Handle Screw Block Cover	26 - Rear Door Inside Handle

Luggage Compartment Door Assembly



48 - ENGINE HOOD/DOOR

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

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 hood).

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Specifications

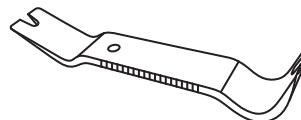
Torque Specifications

Description	Torque (N·m)
Fixing Bolt Between Hood Assembly and Hood Hinge Assembly	25 ± 2
Fixing Bolt Between Hood Hinge Assembly and Body	25 ± 2
Hood Lock Assembly Fixing Bolt	9 ± 1
Fixing Bolt Between Hood Hinge Assembly and Wing Assembly	10 ± 1
Front Door Inner Protector Assembly Fixing Screw	1.5 ± 0.5
Front Door Inside Handle Fixing Screw	1.5 ± 0.5
Front Door Outside Handle Base Assembly Fixing Screw	7 ± 1
Fixing Bolt Between Front Door Hinge Assembly and Front Door Assembly	24 ± 2
Fixing Bolt Between Front Door Hinge Assembly and Body	24 ± 2
Fixing Nut Between Door Check and Front Door Assembly	10 ± 2
Fixing Bolt Between Door Check and Body	22 ± 3.5
Front Door Lock Striker Fixing Screw	23 ± 2
Rear Door Inner Protector Assembly Fixing Screw	1.5 ± 0.5
Rear Door Inside Handle Fixing Screw	1.5 ± 0.5
Rear Door Metal Bracket Fixing Bolt	5 ± 1
Rear Door Outside Handle Cover Fixing Screw	7 ± 1
Rear Door Outside Handle Base Assembly Fixing Screw	7 ± 1
Fixing Bolt Between Rear Door Hinge Assembly and Rear Door Assembly	55 ± 5
Fixing Bolt Between Rear Door Hinge Assembly and Body	55 ± 5
Rear Door Lock Striker Fixing Screw	23 ± 1
Fixing Bolt Between Luggage Compartment Door Hinge Assembly and Luggage Compartment Door Assembly	25 ± 2
Fixing Bolt Between Luggage Compartment Door Hinge Assembly and Body	25 ± 2
Luggage Compartment Lock Striker Assembly Fixing Screw	23 ± 1

Tool

General Tool

Interior Crow Plate



RCH0000025

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ON-VEHICLE SERVICE

Hood Assembly

Removal

WARNING

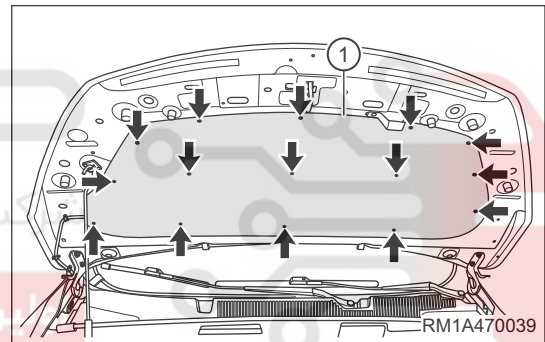
- When removing hood assembly, an assistant is needed to hold hood. Try to prevent hood from dropping or suddenly closing to cause accidents during operation.

CAUTION

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

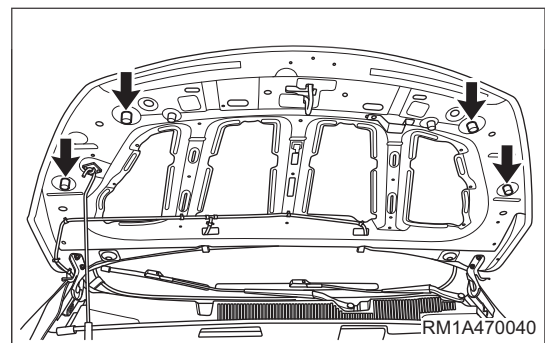
1. Remove the hood sound insulator.

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



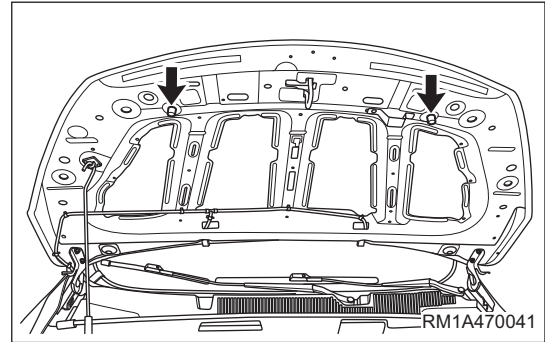
2. Remove the hood adjustable buffer block.

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

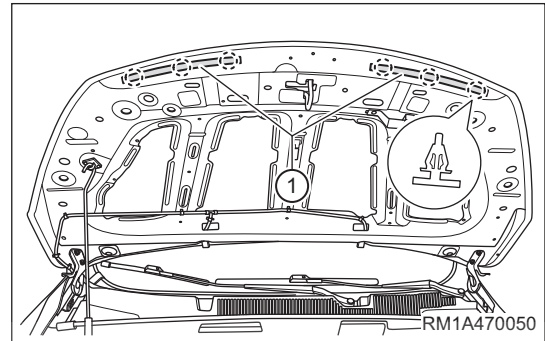


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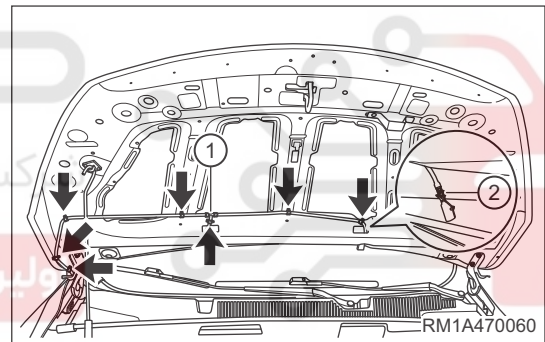
3. Remove the hood buffer block.
 - a. Using a screwdriver wrapped with protective tape, pry off hood buffer blocks (arrow).



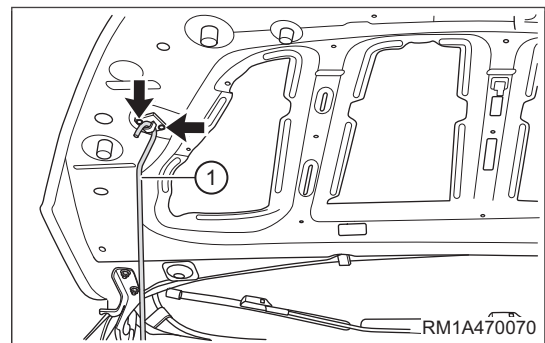
4. Remove the engine weatherstrip.
 - a. Disengage clips from engine weatherstrip, and remove engine weatherstrip (1).



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



⚠ WARNING

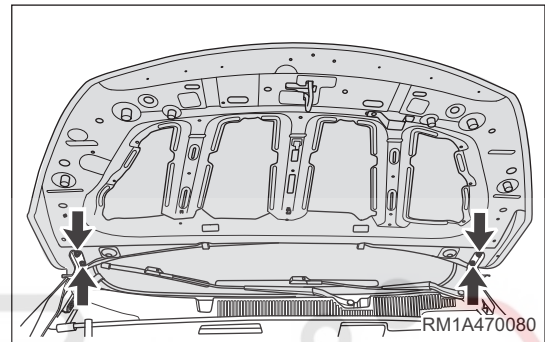
- When removing hood support rod, an assistant is needed to hold hood. Try to prevent hood from dropping or suddenly closing to cause accidents during operation.

👁 CAUTION

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

7. Remove the hood assembly.

- a. Remove 4 fixing nuts (arrow) between hood assembly and hood hinge assembly, and remove hood assembly.
(Tightening torque: $25 \pm 2 \text{ N}\cdot\text{m}$)

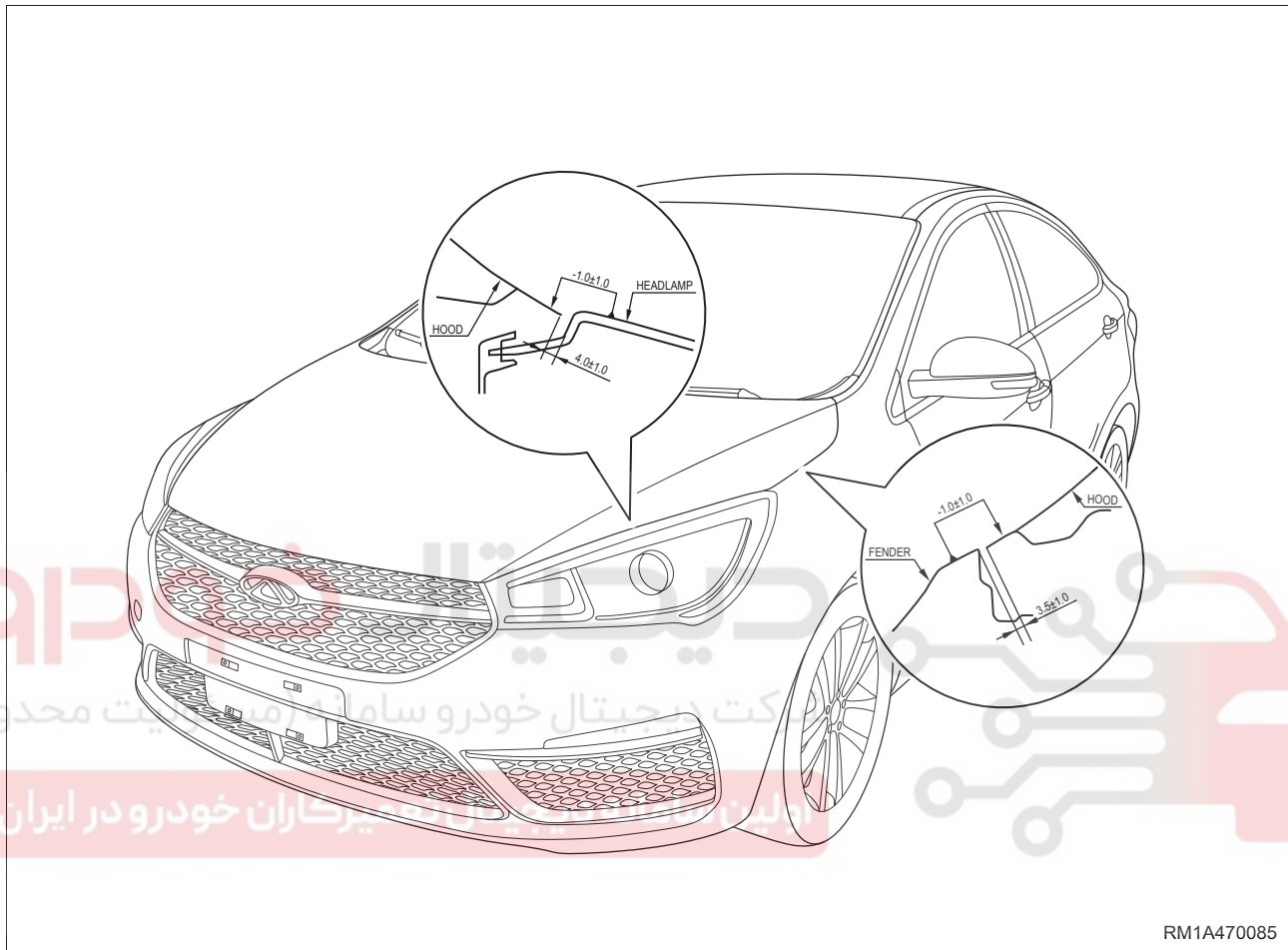
**Installation**

Installation is in the reverse order of removal.

Adjustment

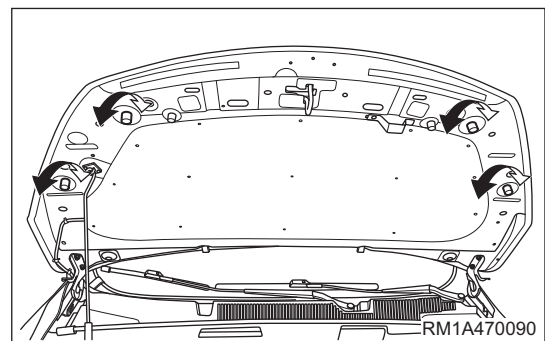
1. Adjust the hood assembly.
 - a. Loosen fixing bolts on hood hinge assembly.
 - b. Adjust clearance of hood assembly to standard range and pre-tighten fixing bolts on hood hinge assembly.

Standard ranges of clearance between installation position of hood assembly and each part are as follows:

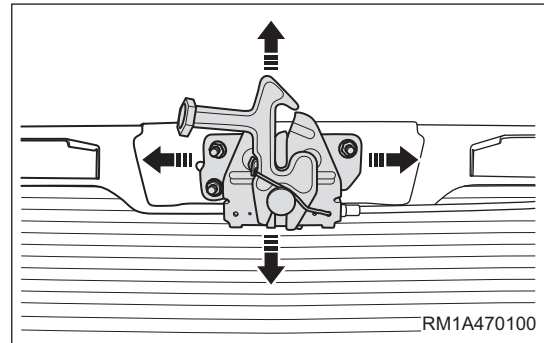


- c. After adjustment, tighten fixing bolts between hood hinge assembly and hood assembly to specified torque.
(Tightening torque: 25 ± 2 N·m)
- d. After adjustment, tighten fixing bolts between hood hinge assembly and body to specified torque.
(Tightening torque: 25 ± 2 N·m)

2. Adjust height of hood front end with adjustable buffer blocks.
 - a. Raise or lower front end of hood by rotating adjustable buffer blocks clockwise or counterclockwise.



- b. After adjustment, make sure that alignment between hood assembly and wing assembly is within standard range.
Standard alignment: -1.0 ± 1.0 mm
- c. After adjustment, make sure that alignment between hood assembly and front combination light is within standard range.
Standard alignment: -1.0 ± 1.0 mm
- 3. Adjust the hood lock assembly.
 - a. Slightly loosen fixing nuts of hood lock assembly, and adjust hood lock assembly in direction of arrow as shown in illustration.



- b. Tighten hood lock assembly fixing nuts to specified torque after adjustment.
(Tightening torque: 9 ± 1 N·m)

Inspection

After hood assembly is adjusted, perform following inspections:

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

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Hood Hinge Assembly

Removal

HINT:

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

WARNING

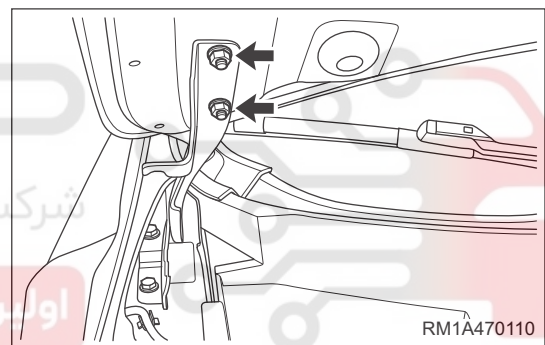
- When removing hood hinge assembly, an assistant is needed to hold hood. Try to prevent hood from dropping or suddenly closing to cause accidents during operation.

CAUTION

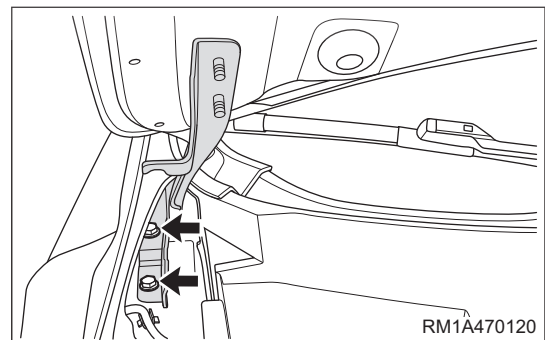
- Be sure to wear safety equipment to prevent accidents, when removing hood hinge assembly.
- When removing hood hinge assembly, try to prevent hood from dropping, otherwise, body or front windshield may be damaged.

1. Remove the hood left hinge assembly.

- Remove 2 fixing nuts (arrow) between hood left hinge assembly and hood assembly.
(Tightening torque: 25 ± 2 N·m)



- Remove 2 fixing bolts (arrow) between hood left hinge assembly and body, and remove hood left hinge assembly.
(Tightening torque: 25 ± 2 N·m)



Installation

Installation is in the reverse order of removal.

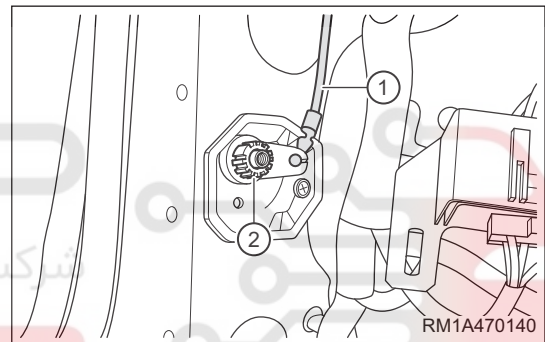
Hood Cable Assembly

Removal

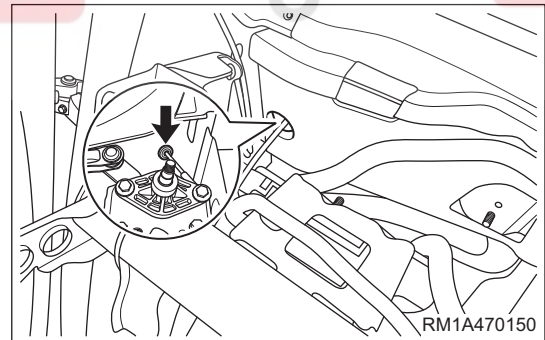
CAUTION

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

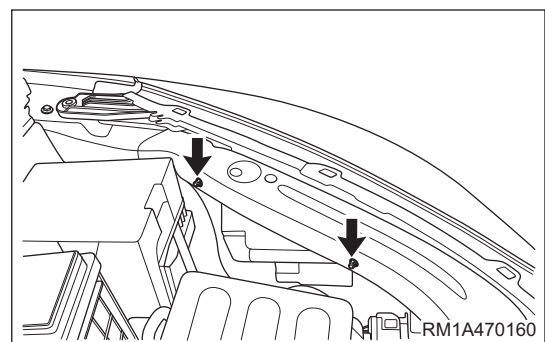
1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front bumper assembly (See page 49-8).
4. Remove the hood lock assembly (See page 38-39).
5. Remove the A-pillar lower protector assembly (See page 50-16).
6. Remove the front windshield lower garnish assembly (See page 49-28).
7. Remove the hood cable assembly.
 - a. Disengage hood cable assembly (1) from hood grip drive block (2).



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

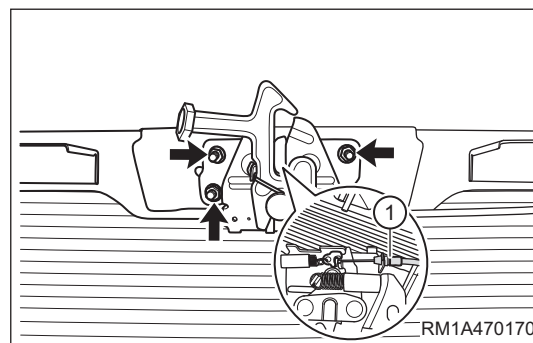


- c. Disengage clips (arrow) from hood cable assembly, and remove hood cable assembly.



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- d. Remove 3 fixing bolts (arrow) from hood lock, and disengage cable assembly (1).

**Installation**

Installation is in the reverse order of removal.

CAUTION

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

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Front Door Inner Protector Assembly

Removal

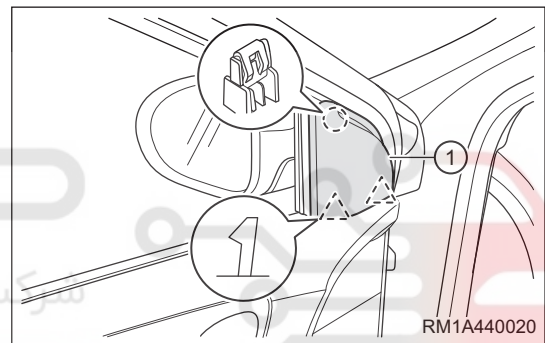
HINT:

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

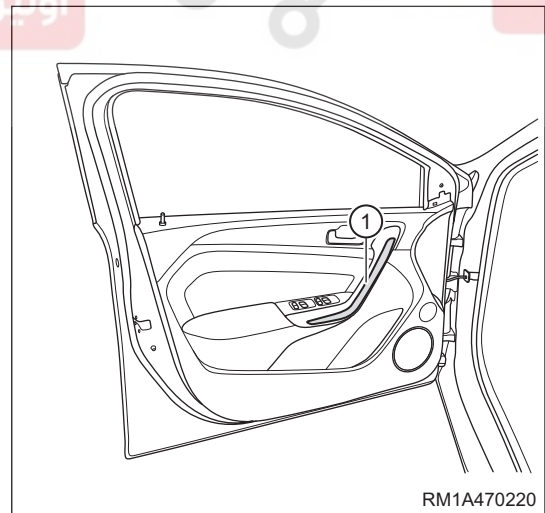
CAUTION

- 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 ignition switch.
2. Disconnect the negative battery cable.
3. Remove the left outside rear view mirror inner triangular block.
 - a. Using a screwdriver wrapped with protective tape, pry up clips on outside rear view mirror inner triangular block, and remove left outside rear view mirror inner triangular block (1).

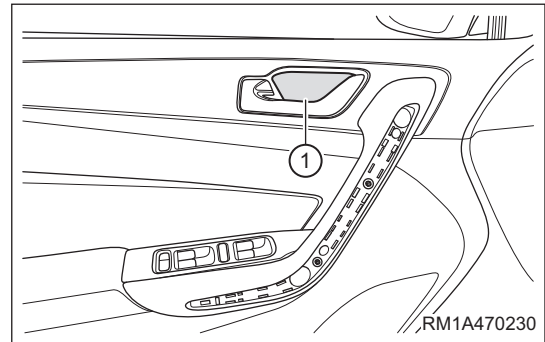


4. Remove the front left door inside handle cover plate (1).

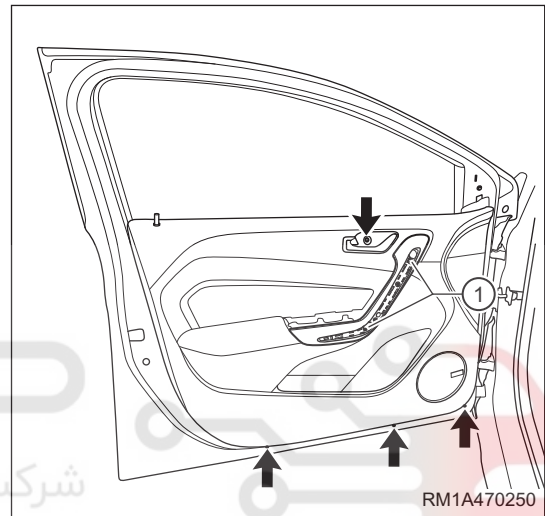


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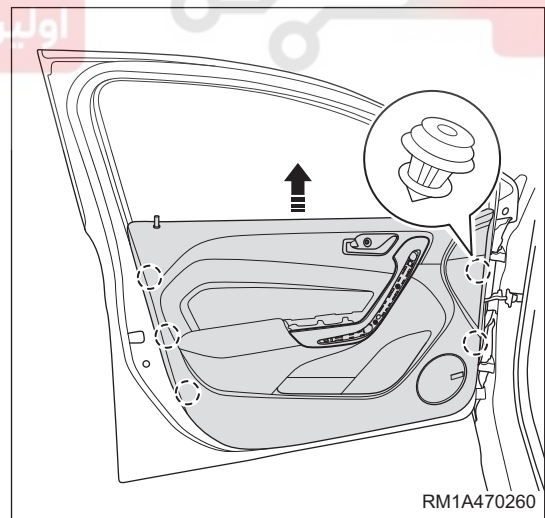
5. Remove the front left door inside handle screw block cover.
 - a. Using a screwdriver wrapped with protective tape, pry up front left door inside handle screw block cover (1).



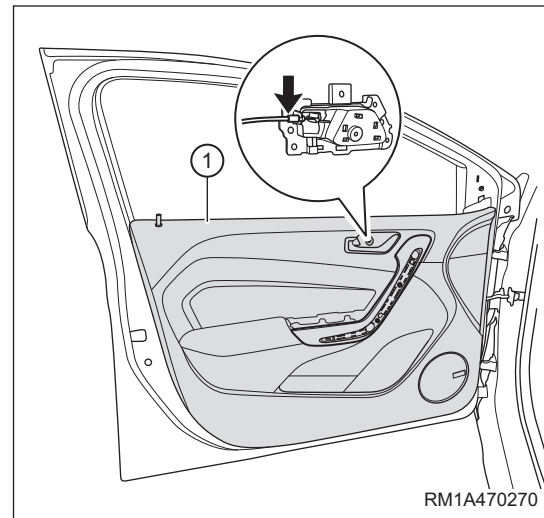
6. Remove the power glass regulating control master switch (See page 44-58).
7. Remove the front left door inner protector assembly.
 - a. Remove 4 fixing screws (arrow) and 2 bolts (1) from front door inner protector assembly. (Tightening torque for screws: 1.5 ± 0.5 N·m)



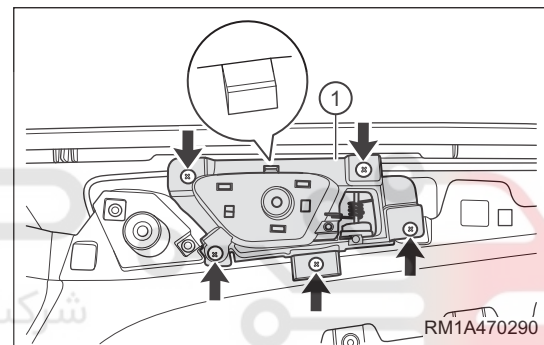
- b. Using an interior crow plate, pry up clips on front door inner protector assembly, and loosen front door inner protector assembly in direction of arrow as shown in illustration.



- c. Disengage front door inside handle cable (arrow) from front door inside handle, and remove front left door inner protector assembly (1).



8. Remove the tweeter assembly (See page 40-34).
9. Remove the front door inside handle.
- Remove 5 fixing screws (arrow) from front door inside handle.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - Using a screwdriver wrapped with protective tape, pry up claws (arrow) on front door inside handle, and remove front door inside handle (1).



Installation

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

HINT:

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

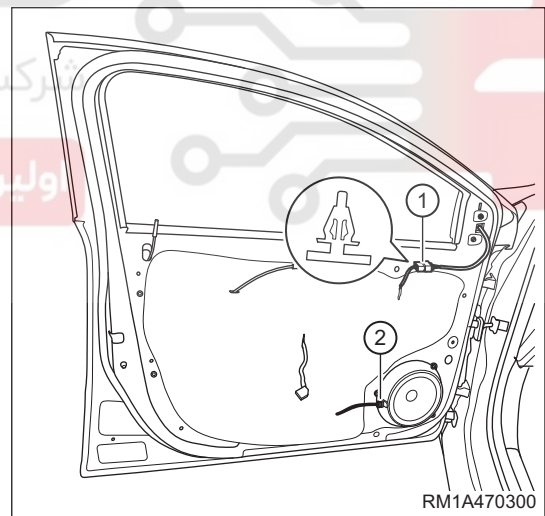
WARNING

- When removing front door assembly, an assistant is needed to hold front door, to prevent front door from dropping to cause accidents during operation.

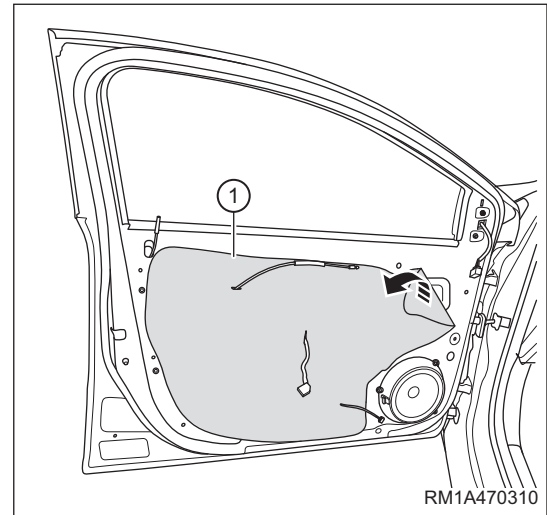
CAUTION

- 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.

1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front left door inner protector assembly (See page 48-19).
4. Remove the front left door protective film assembly.
 - a. Disconnect outer rear view mirror connector (1), and remove connector fixing clip.
 - b. Disconnect the front speaker connector (2).



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

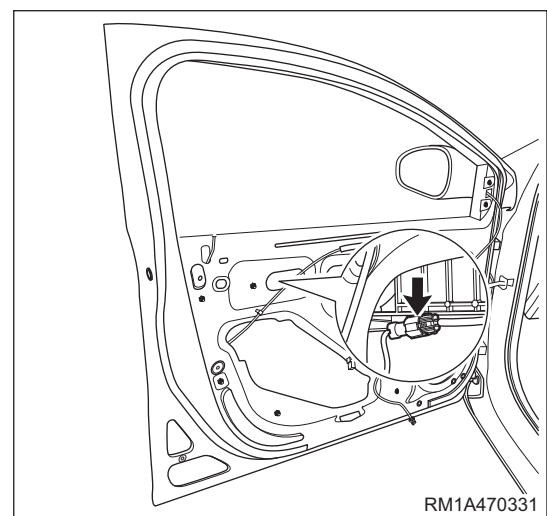


CAUTION

- 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.

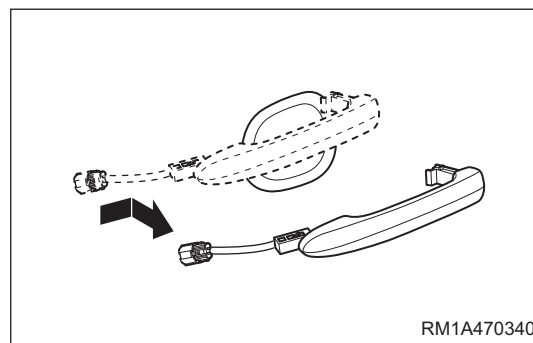
5. Remove the front left door speaker assembly (See page 40-35).
6. Remove the left outside rear view mirror assembly (See page 45-10).
7. Remove the front left door weather bar (See page 44-51).
8. Remove the front door glass upper run (See page 44-52).
9. Remove the front door glass rear guide rail assembly (See page 44-55).
10. Remove the front door glass assembly (See page 44-54).
11. Remove the front door power glass regulator (See page 44-56).
12. Remove the front left door lock assembly (See page 38-40).
13. Remove the front left door key cylinder assembly (See page 38-43).
14. Remove the front left door outside handle.

- a. Using a screwdriver wrapped with protective tape, pry up front left door lock block cover (1), loosen door lock screw and clip (2) and remove key cylinder assembly (3).



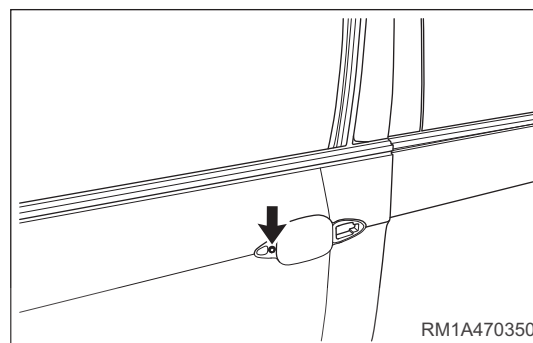
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- b. Slide and pull front door outside handle in direction of arrow as shown in illustration, and remove it.

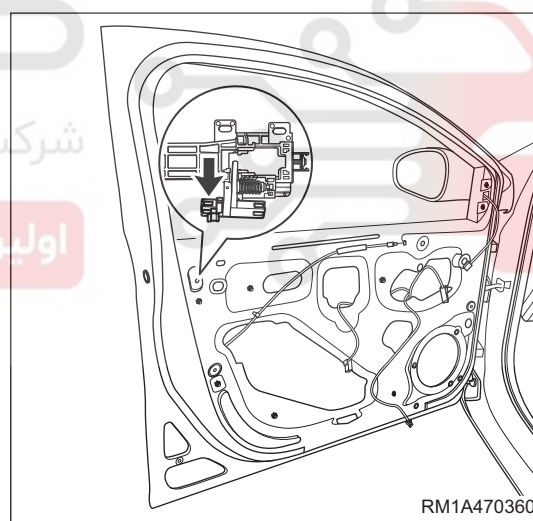


15. Remove the front left door outside handle base assembly.

- a. Remove fixing screw (arrow) from front door outside handle base assembly.
(Tightening torque: 7 ± 1 N·m)

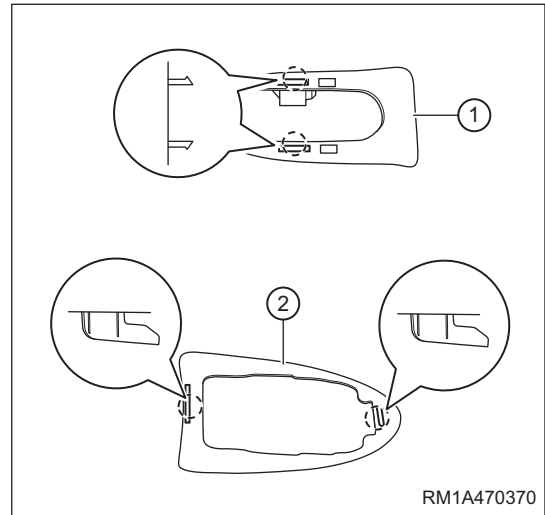


- b. Disengage clip (arrow) from door lock connecting lever, and remove front left door outside handle base assembly.



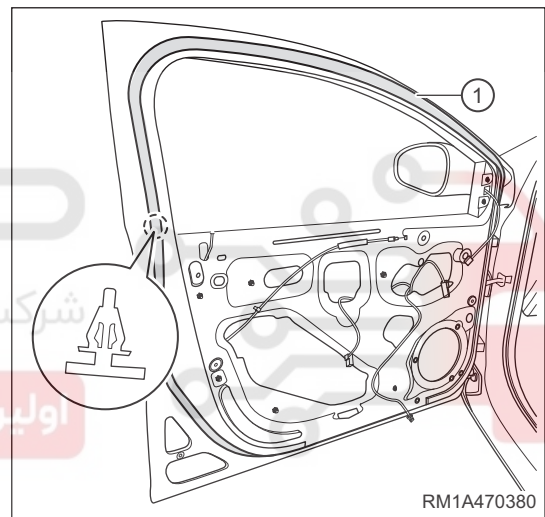
16. Remove the front left door outside handle shim.

- 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).



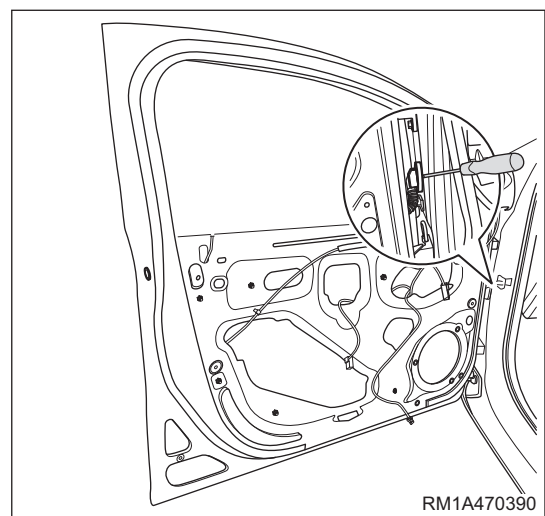
17. Remove the front left door frame weatherstrip.

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



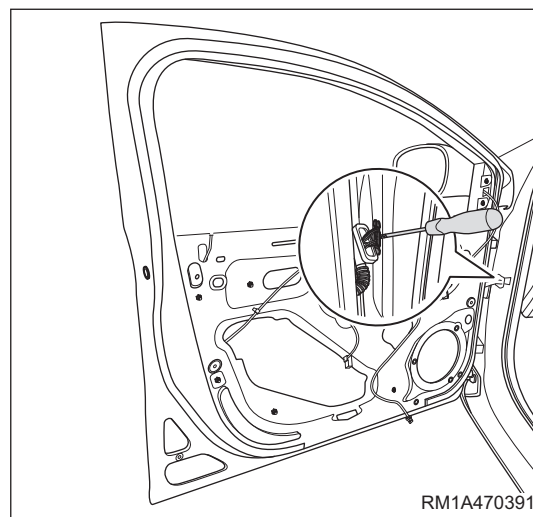
18. Disconnect the front left door connector.

- a. Using a screwdriver wrapped with protective tape, pry up front door dust boot.

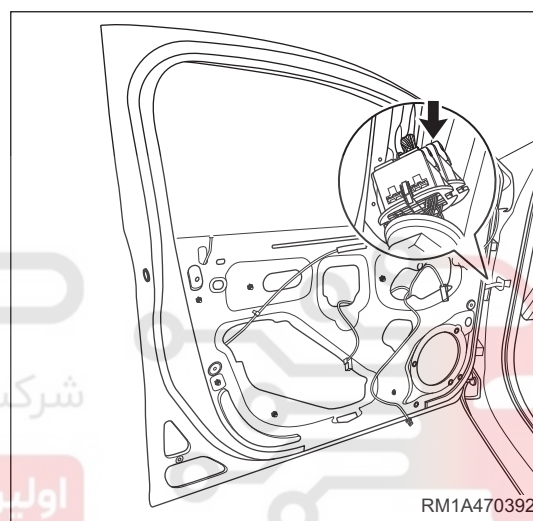


48 - ENGINE HOOD/DOOR

- b. Using a screwdriver wrapped with protective tape, pry up claws on connector.

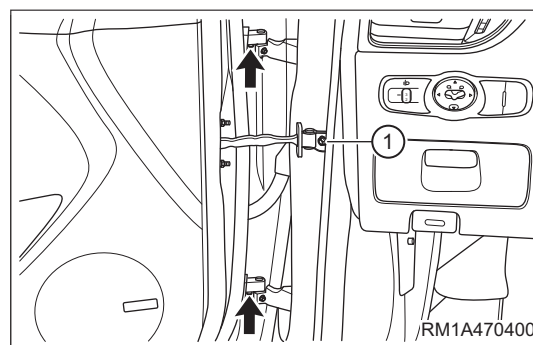


- c. Disconnect the front left door connector (arrow).



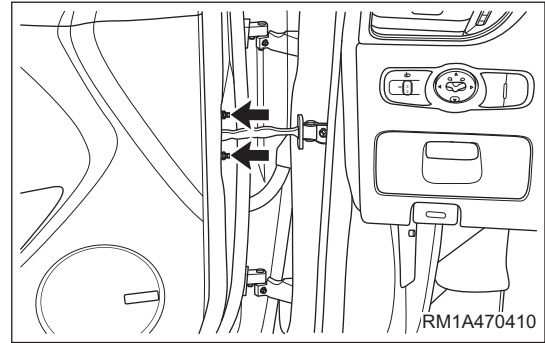
19. Remove the front left door assembly.

- a. Remove 2 fixing bolts (arrow) between front door hinge assembly and front door assembly.
(Tightening torque: 55 ± 5 N·m)
- b. Remove coupling bolt (1) between front left door check assembly and body, and remove front left door assembly.
(Tightening torque: 22 ± 3.5 N·m)

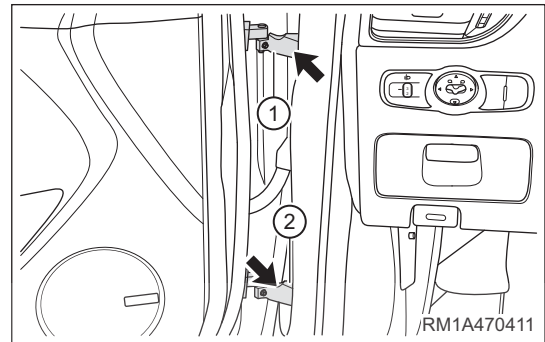


20. Remove the front left door check assembly.

- a. Remove 2 fixing nuts (arrow) between front door check and front door assembly.
(Tightening torque: 10 ± 2 N·m)



- b. Remove 2 fixing bolts (arrow) between front door hinge assembly and body, and remove front door upper hinge assembly (1) and front door lower hinge assembly (2).
(Tightening torque: 55 ± 5 N·m)



Installation

Installation is in the reverse order of removal.

⚠ WARNING

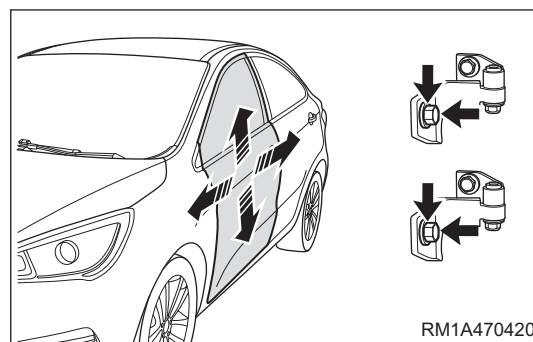
- Be sure to wear safety equipment to prevent accidents, when installing front door assembly.
- When installing front door assembly, an assistant is needed to hold front door, to prevent front door from dropping to cause accidents during operation.

👁 CAUTION

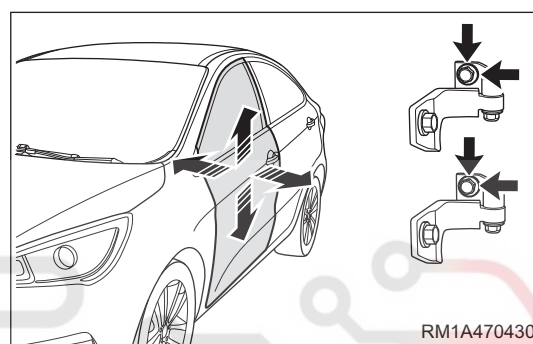
- Replace damaged clips when installing front door inner protector, and confirm that it is installed in place.
- Stick protective film in specified position, not in a wrong position or an asymmetric position between left and right sides or cover mounting holes of other installation parts.
- DO NOT drag 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.

Adjustment

1. Adjust the front door assembly.
 - a. Loosen fixing bolts on front door hinge assembly, and adjust front door assembly position in direction of arrow as shown in illustration.



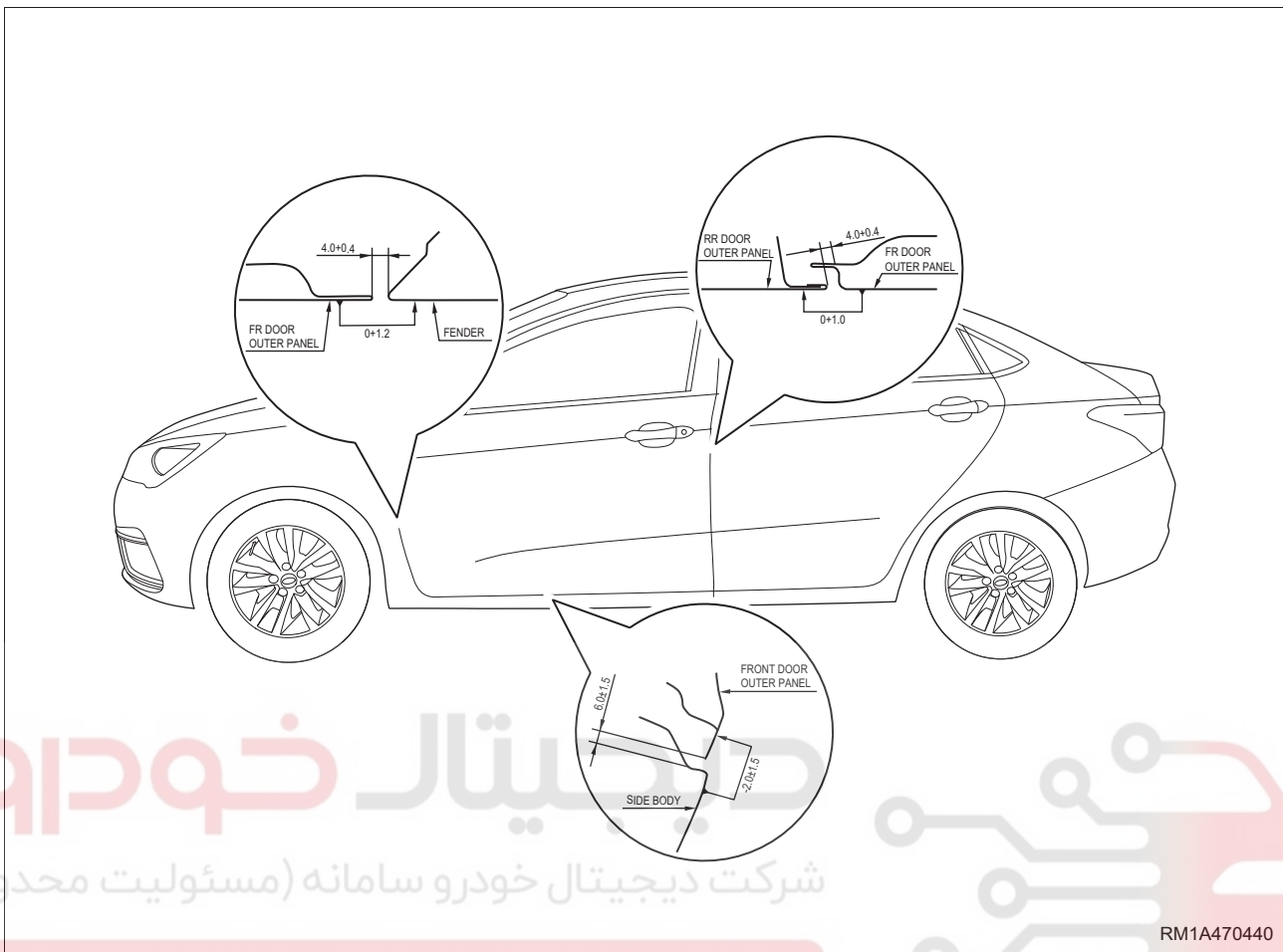
- b. Tighten fixing bolts on front door hinge assembly to specified torque after adjustment.
(Tightening torque: 55 ± 5 N·m)
 - c. Loosen fixing bolts on front door hinge assembly, and adjust front door assembly position in direction of arrow as shown in illustration.



- d. Tighten fixing bolts on front door hinge assembly to specified torque after adjustment.
(Tightening torque: 55 ± 5 N·m)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

- e. Standard ranges of clearance and alignment between installation positions 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.

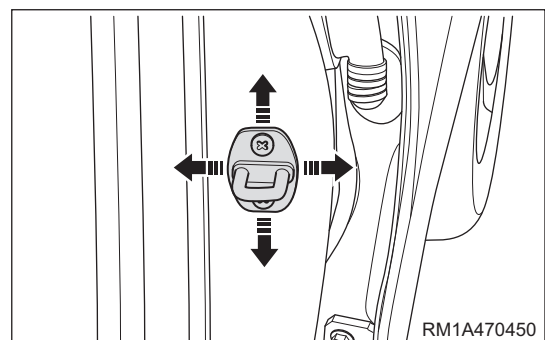
Standard alignment: $0_0^{+1.0}$ mm

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

Standard alignment: $1.0_{-1.0}^{+0.5}$ mm

2. Adjust the front door lock striker.

- a. Slightly loosen fixing screws 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. Tighten fixing screws on front door lock striker to specified torque after adjustment.
(Tightening torque: 23 ± 1 N·m)

Inspection

After front door assembly is adjusted, perform following inspections:

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

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Rear Door Inner Protector Assembly

Removal

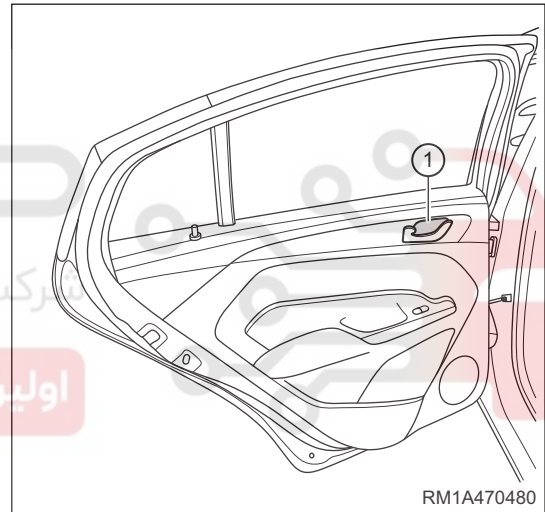
HINT:

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

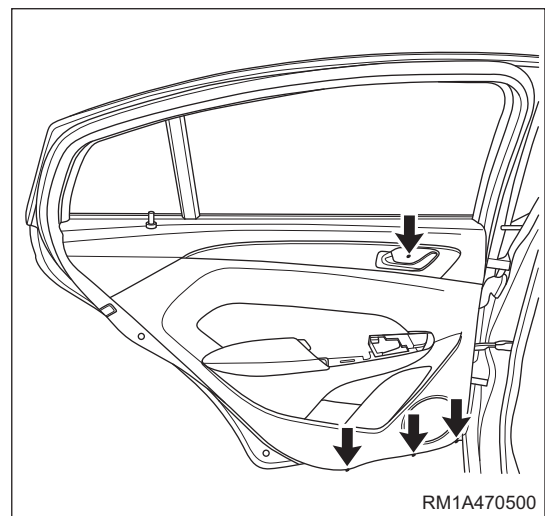
CAUTION

- 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 ignition switch.
2. Disconnect the negative battery cable.
3. Remove the rear left door inside handle screw block cover.
 - a. Using a screwdriver wrapped with protective tape, pry up rear left door inside handle screw block cover (1).

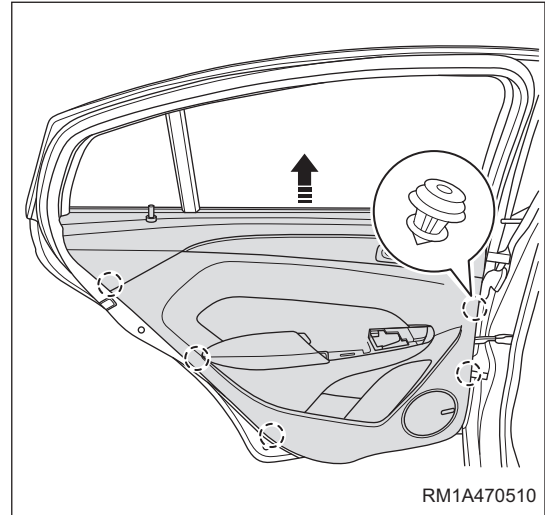


4. Remove the left power glass regulating switch (See page 44-58).
5. Remove the rear left door inner protector assembly.
 - a. Remove 4 fixing screws (arrow) from rear left door inner protector assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)

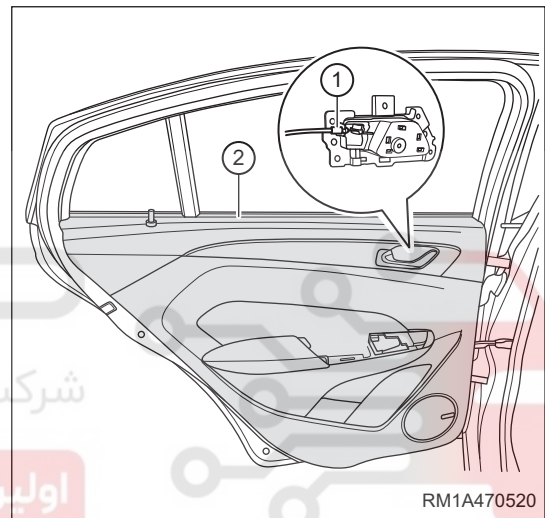


48 - ENGINE HOOD/DOOR

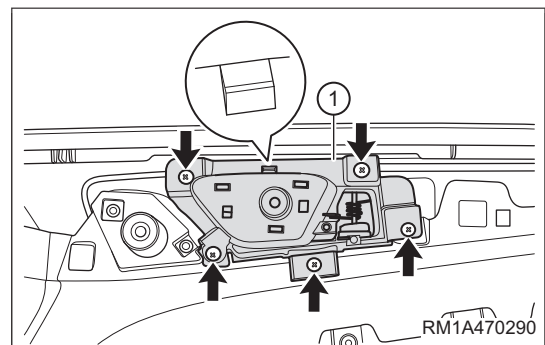
- b. Using an interior crow plate, pry up clips on rear door inner protector assembly, and loosen rear door inner protector assembly in direction of arrow as shown in illustration.



- c. Disengage handle cable (1) from rear door inside handle, and remove inner protector assembly (2).



6. Remove the rear door inside handle.
- Remove 5 fixing screws (arrow) from rear door inside handle.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - Using a screwdriver wrapped with protective tape, pry up claws on rear door inside handle, and remove rear door inside handle (1).



Installation

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 assembly can be used normally, after installing rear door inner protector assembly.

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Rear Door Assembly

Removal

HINT:

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

WARNING

- When removing rear door assembly, an assistant is needed to hold rear door, to prevent rear door from dropping to cause accidents during operation.

CAUTION

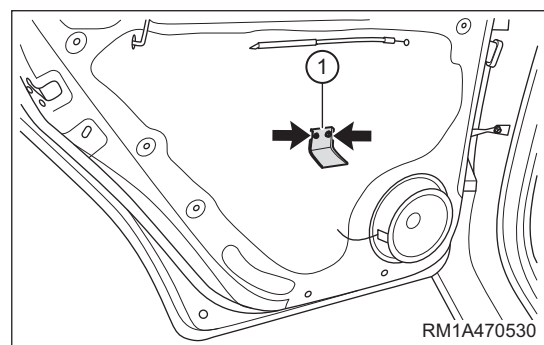
- Be sure to wear safety equipment to prevent accidents, when installing rear door assembly.
- Try to prevent body paint surface from being scratched, when removing rear door assembly.

1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the rear left door inner protector assembly (See page 48-31).
4. Remove the rear left door protective film assembly.

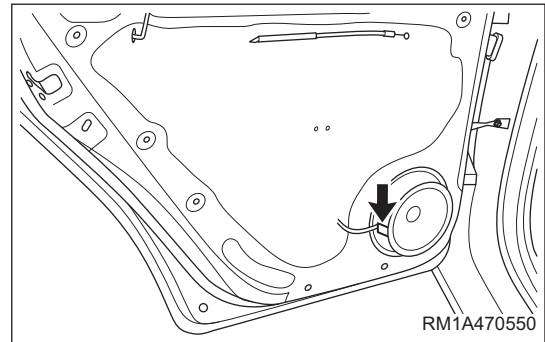
CAUTION

- 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.

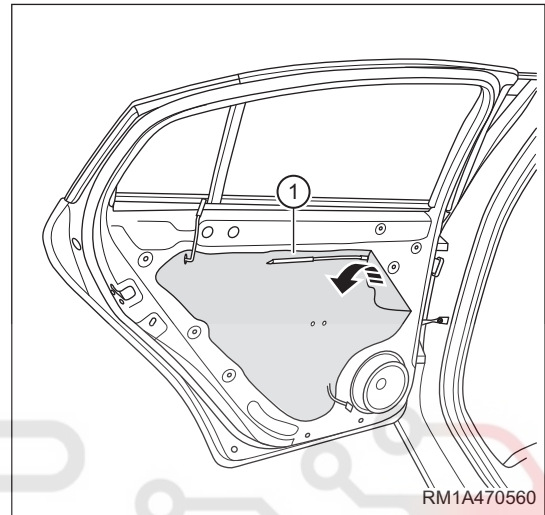
- a. Remove 2 fixing bolts (arrow) from rear door metal bracket, and remove rear left door metal bracket (1).
(Tightening torque: 5 ± 1 N·m)



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

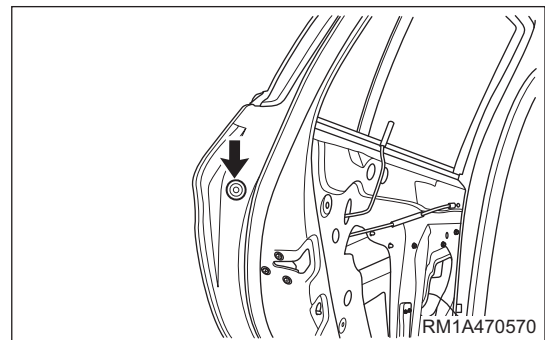


- c. As shown in illustration, remove rear left door protective film assembly (1) by gently peeling it along edges from one corner of rear left door protective film assembly.



5. Remove the rear left door full-range speaker ([See page 48-34](#)).
6. Remove the rear left door weather bar ([See page 44-60](#)).
7. Remove the rear door glass upper run ([See page 44-64](#)).
8. Remove the rear door glass guide rail assembly ([See page 44-65](#)).
9. Remove the rear door glass assembly ([See page 44-61](#)).
10. Remove the rear door triangular window glass ([See page 44-63](#)).
11. Remove the rear door power glass regulator ([See page 44-67](#)).
12. Remove the rear left door lock assembly ([See page 38-46](#)).
13. Remove the rear left door outside handle cover.

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

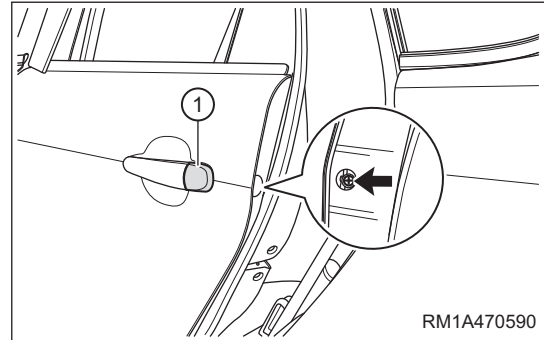


48 - ENGINE HOOD/DOOR

- b. Loosen fixing screw (arrow) on rear door outside handle cover, and remove rear door outside handle cover (1).
(Tightening torque: 7 ± 1 N·m)

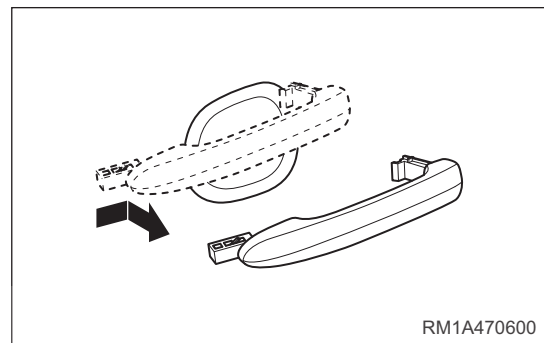
HINT:

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



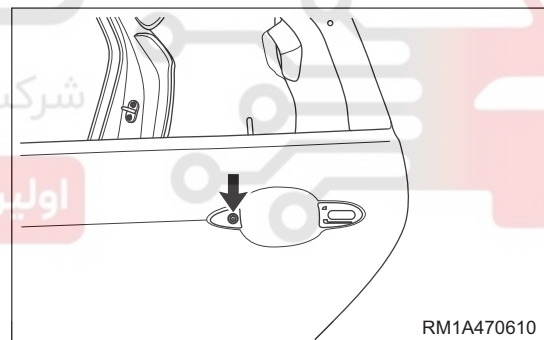
14. Remove the rear left door outside handle.

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



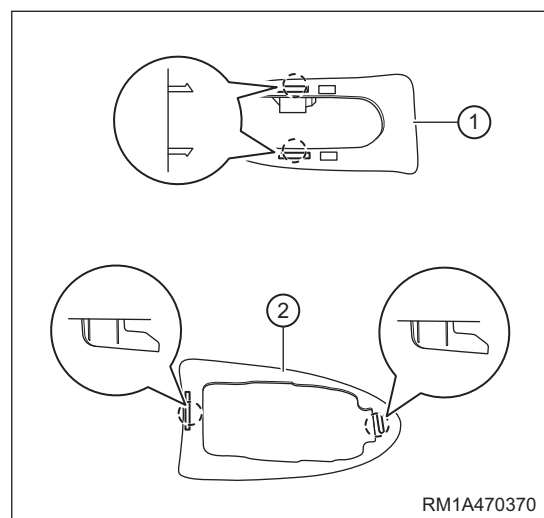
15. Remove the rear left door outside handle base assembly.

- a. Remove fixing screw (arrow) from rear door outside handle base assembly, and remove rear left door outside handle base assembly.
(Tightening torque: 7 ± 1 N·m)



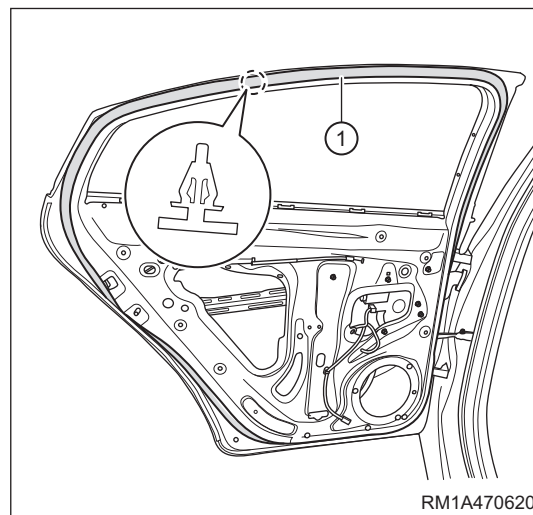
16. Remove the rear left door outside handle shim.

- 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).



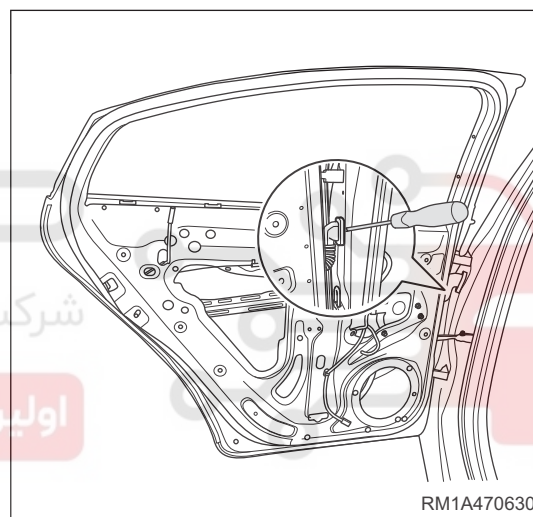
17. Remove the rear left door frame weatherstrip.

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

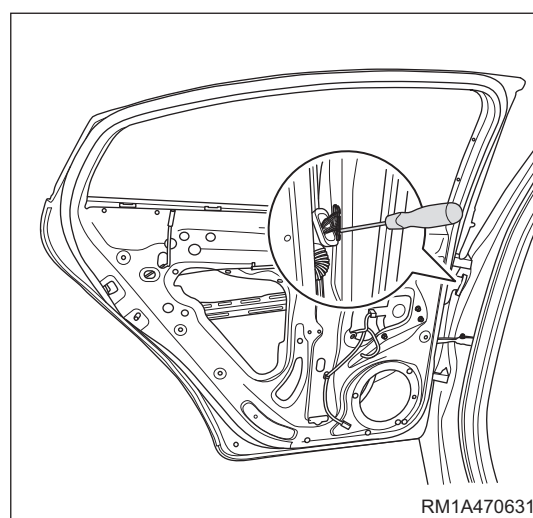


18. Disconnect the rear left door connector.

- a. Using a screwdriver wrapped with protective tape, pry up rear door dust boot.

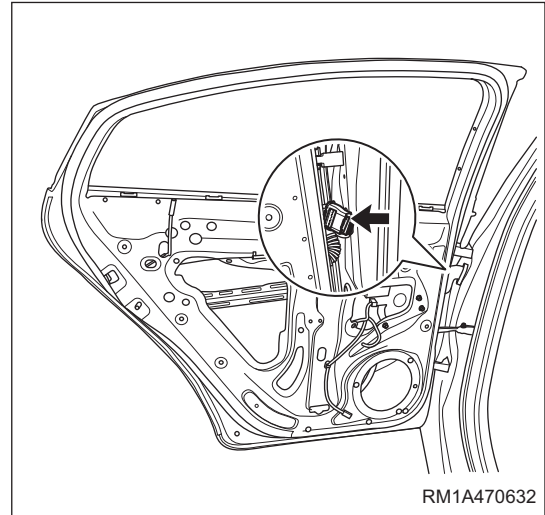


- b. Using a screwdriver wrapped with protective tape, pry up claw on connector.



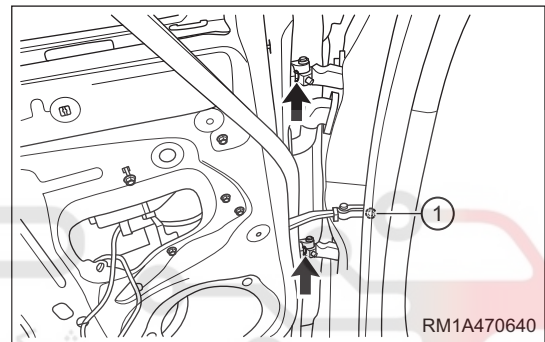
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- c. Disconnect the rear left door connector (arrow).



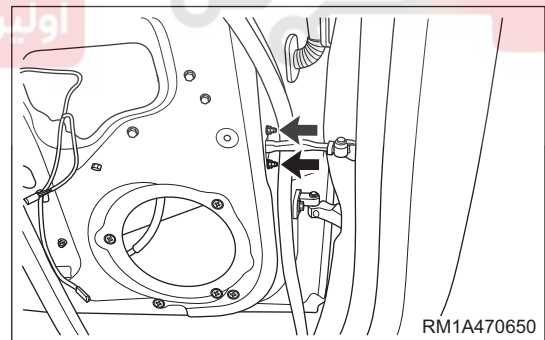
19. Remove the rear left door assembly.

- Remove 2 fixing bolts (arrow) between rear door hinge assembly and rear door assembly.
(Tightening torque: 55 ± 5 N·m)
- Remove coupling bolt (1) between door check and body.
(Tightening torque: 55 ± 5 N·m)
- Remove the rear left door assembly.



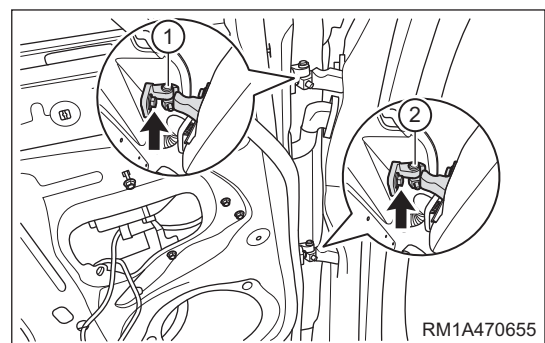
20. Remove rear left door check and hinge assembly.

- Remove 2 nuts (arrow) between door check and rear left door from inner part of door assembly.
(Tightening torque: 10 ± 2 N·m)



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- Remove 2 fixing bolts (arrow), remove rear door upper hinge assembly (1) and lower hinge assembly (2).
(Tightening torque: 55 ± 5 N·m)



Installation

Installation is in the reverse order of removal.

⚠ 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 rear door, to prevent rear door from dropping to cause accidents during operation.

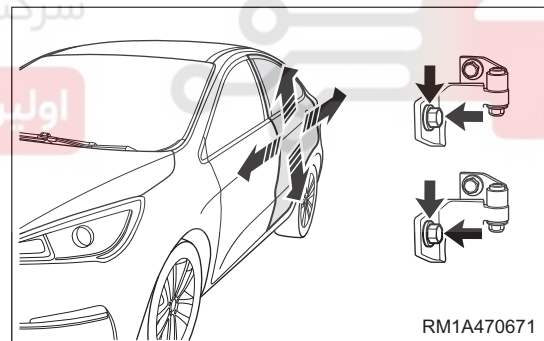
👁 CAUTION

- 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.

Adjustment

1. Adjust the rear door assembly.

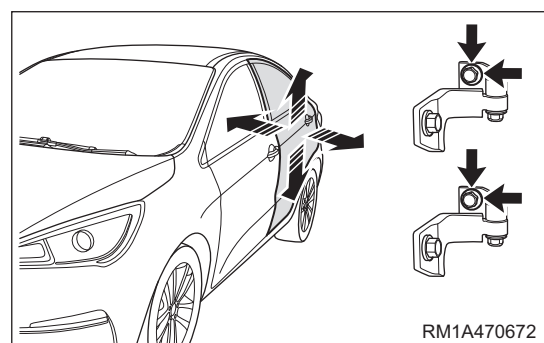
- a. Loosen fixing bolts on rear door hinge assembly and adjust rear door assembly position in direction of arrow as shown in illustration.



b. Tighten fixing bolts on rear door hinge assembly to specified torque after adjustment.

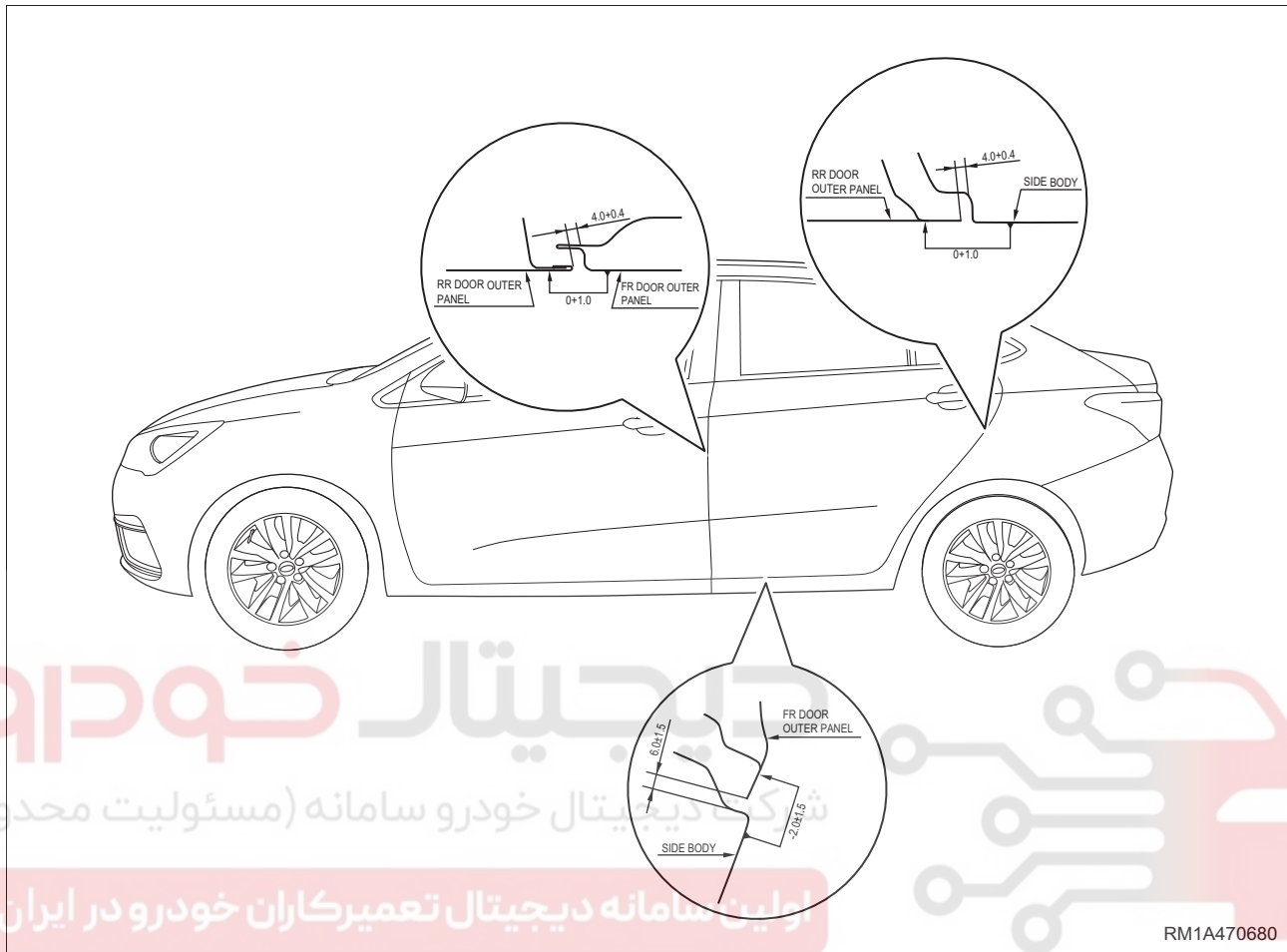
(Tightening torque: 55 ± 5 N·m)

- c. Loosen fixing bolts on rear door hinge assembly and adjust rear door assembly position in direction of arrow as shown in illustration.



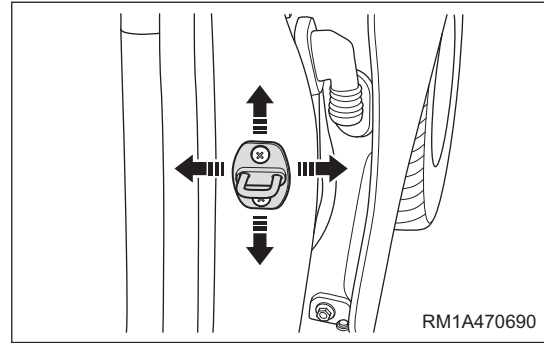
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- d. Tighten fixing bolts on rear door hinge assembly to specified torque after adjustment.
(Tightening torque: 55 ± 5 N·m)
- e. Standard ranges of clearance between installation position of rear door assembly and each part are as follows:



- f. After adjustment, make sure that alignment between rear door assembly and front door assembly is within standard range.
Standard alignment: $0^{+1.0}_0$ mm
- g. After adjustment, make sure that alignment between rear door assembly and body outer panel is within standard range.
Standard alignment: $1.0^{+0.5}_{-1.0}$ mm

2. Adjust the rear left door lock striker assembly.
 - a. Slightly loosen fixing screws on rear door lock striker, and adjust lock striker position by tapping with a plastic hammer in direction of arrow as shown in illustration.
 - b. Tighten fixing screws on rear door lock striker assembly to specified torque after adjustment.
(Tightening torque: 23 ± 1 N·m)



Inspection

After rear left door assembly is adjusted, perform following inspections:

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

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Luggage Compartment Door Assembly

Removal

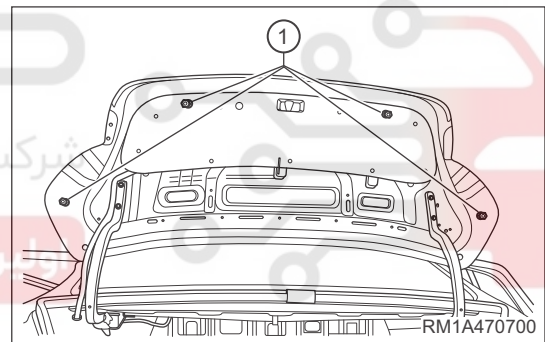
WARNING

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

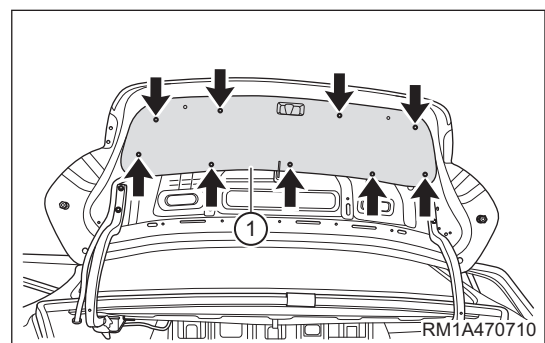
CAUTION

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

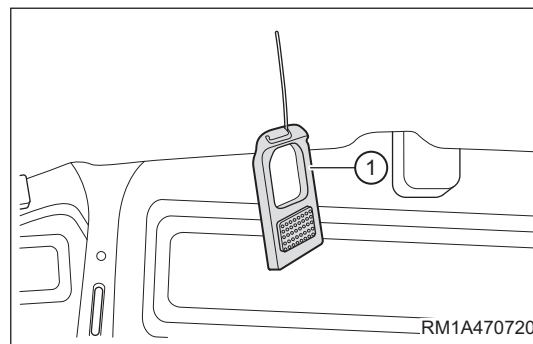
1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the luggage compartment door adjustable buffer block.
 - a. Turn 4 luggage compartment door adjustable buffer blocks (1) counterclockwise to remove them.



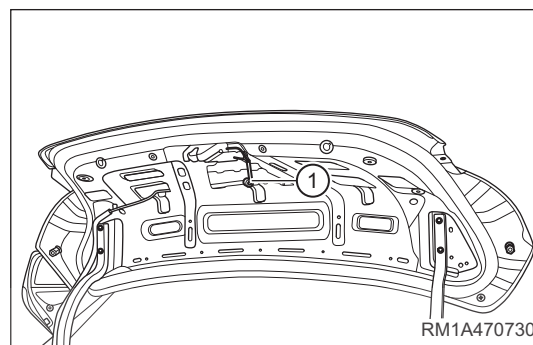
4. Remove the luggage compartment door trim board assembly.
 - a. Remove plastic clips (arrow) from luggage compartment door trim board assembly, and remove luggage compartment door trim board assembly (1).



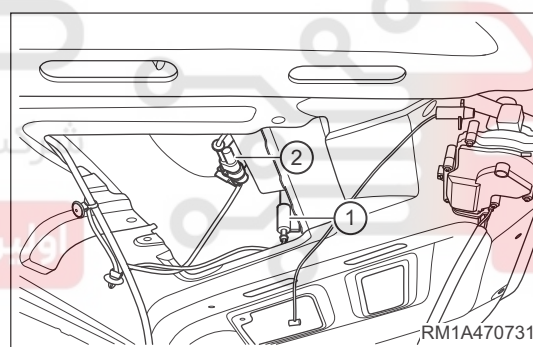
5. Remove the luggage compartment door assembly.
- a. Remove the luggage compartment lock handle (1).



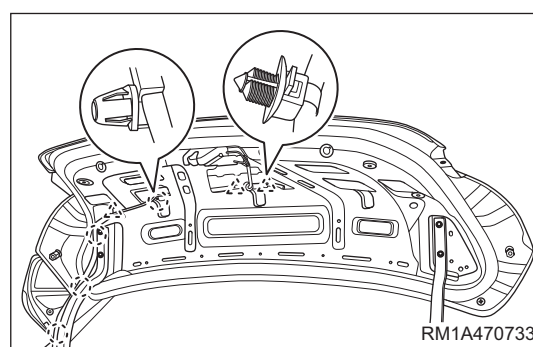
- b. Disconnect the luggage compartment door lock wire harness connector (1).



- c. Disconnect wire harness connector (1) between luggage compartment and 2 license plate lights, and disconnect luggage compartment contact switch (2).

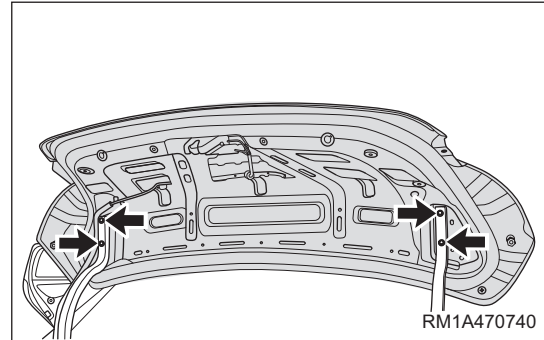


- d. Using a screwdriver wrapped with protective tape, pry up luggage compartment wire harness fixing clips.



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- e. 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 ± 2 N·m)



Installation

Installation is in the reverse order of removal.

⚠ WARNING

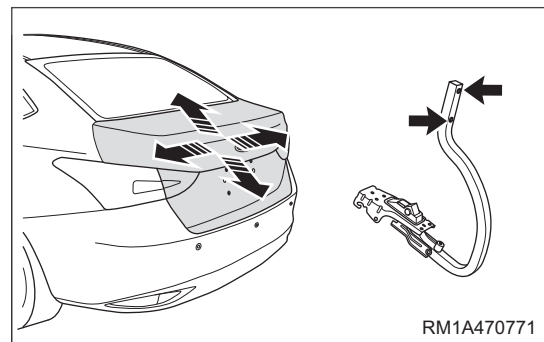
- When installing luggage compartment door assembly, an assistant is needed to hold luggage compartment door. Try to prevent luggage compartment door from dropping or suddenly closing to cause accidents during operation.

👁 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.

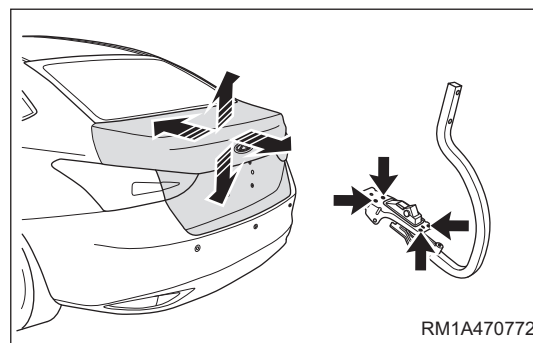
Adjustment

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



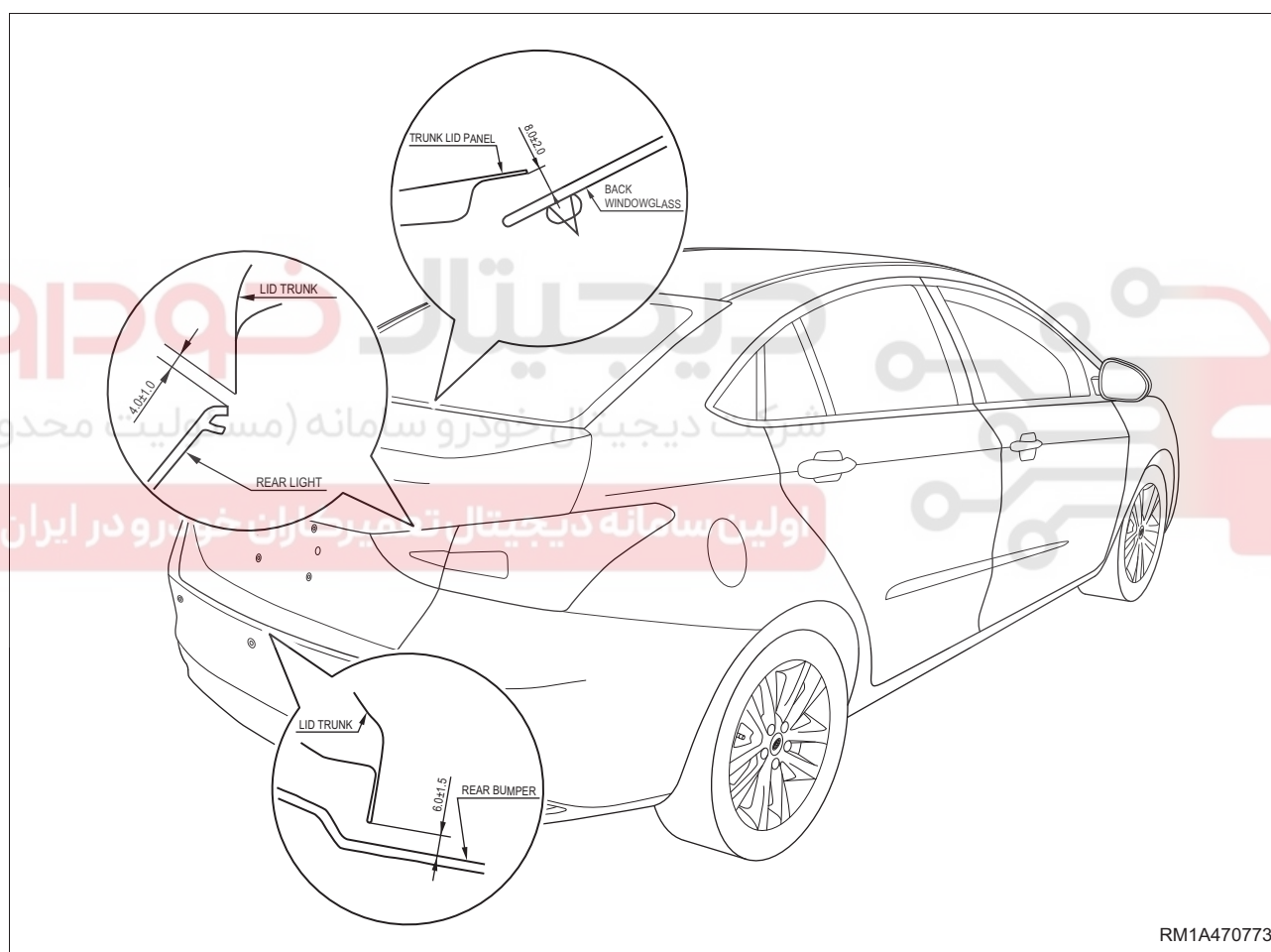
- Tighten fixing bolts on luggage compartment door assembly to specified torque after adjustment.
(Tightening torque: 25 ± 2 N·m)

- 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. Tighten fixing bolts on luggage compartment door assembly to specified torque after adjustment.
(Tightening torque: 25 ± 2 N·m)

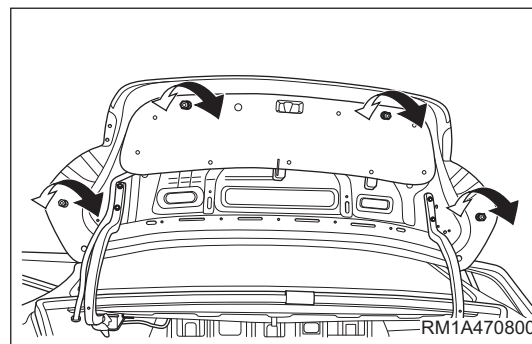
Standard ranges of clearance between installation position of luggage compartment door assembly and each part are as follows:



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

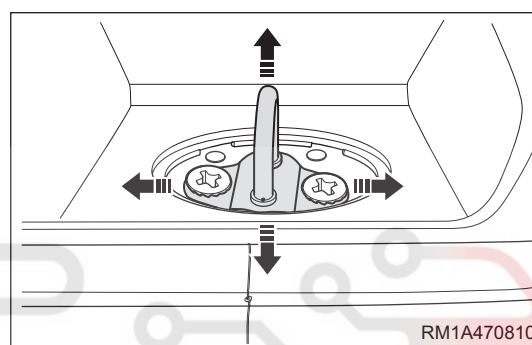
- a. Raise or lower luggage compartment door by rotating luggage compartment adjustable buffer blocks clockwise or counterclockwise.



- b. After adjustment, make sure that alignment between luggage compartment door and rear combination light (movable part) is within standard range.
Standard alignment: -1.0 ± 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. Tighten fixing screws on luggage compartment lock striker assembly to specified torque after adjustment.

(Tightening torque: 23 ± 1 N·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 set in position. Tighten them to specified torque as necessary.
3. Check if clearance and alignment between luggage compartment door assembly installation position and each part are within specified range. Adjust as necessary.

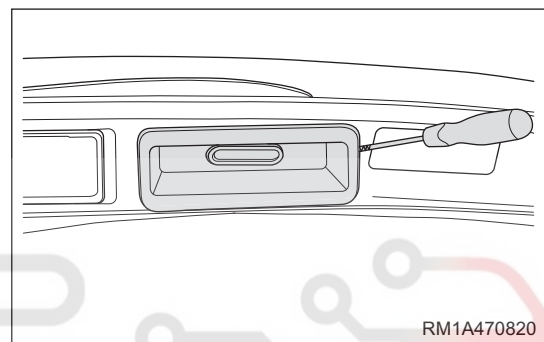
Luggage Compartment Door Opener Switch Assembly

Removal

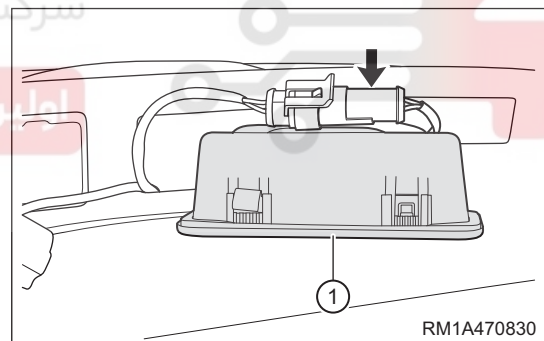
CAUTION

- Be sure to wear 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 ignition switch.
2. Disconnect the negative battery cable.
3. Remove the luggage compartment door opener switch assembly.
 - a. Using a screwdriver wrapped with protective tape, pry up clips on luggage compartment door opener switch assembly.



- b. Disconnect luggage compartment door opener switch connector (arrow), and remove luggage compartment door opener switch assembly (1).



Installation

Installation is in the reverse order of removal.

CAUTION

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

Luggage Compartment Door Hinge Assembly

Removal

HINT:

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

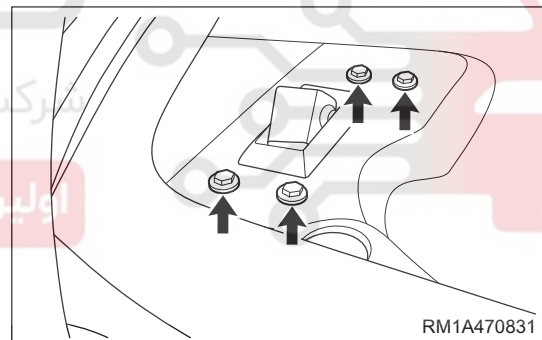
WARNING

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

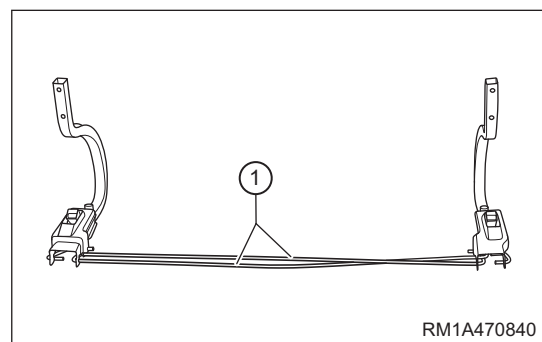
CAUTION

- Be sure to wear 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.

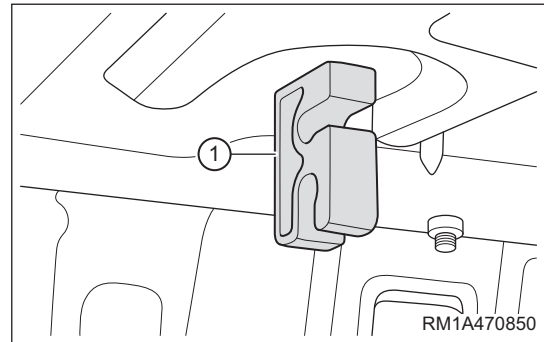
1. Remove the luggage compartment door hinge assembly.
 - a. Remove 4 bolts (arrow) between luggage compartment door left hinge assembly and body, and remove luggage compartment door hinge assembly. (Tightening torque: 25 ± 2 N·m)



2. remove luggage compartment door left and right torsion bars (1).



3. Remove holder (1) from luggage compartment door left and right torsion bars.



Installation

Installation is in the reverse order of removal.

CAUTION

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

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