

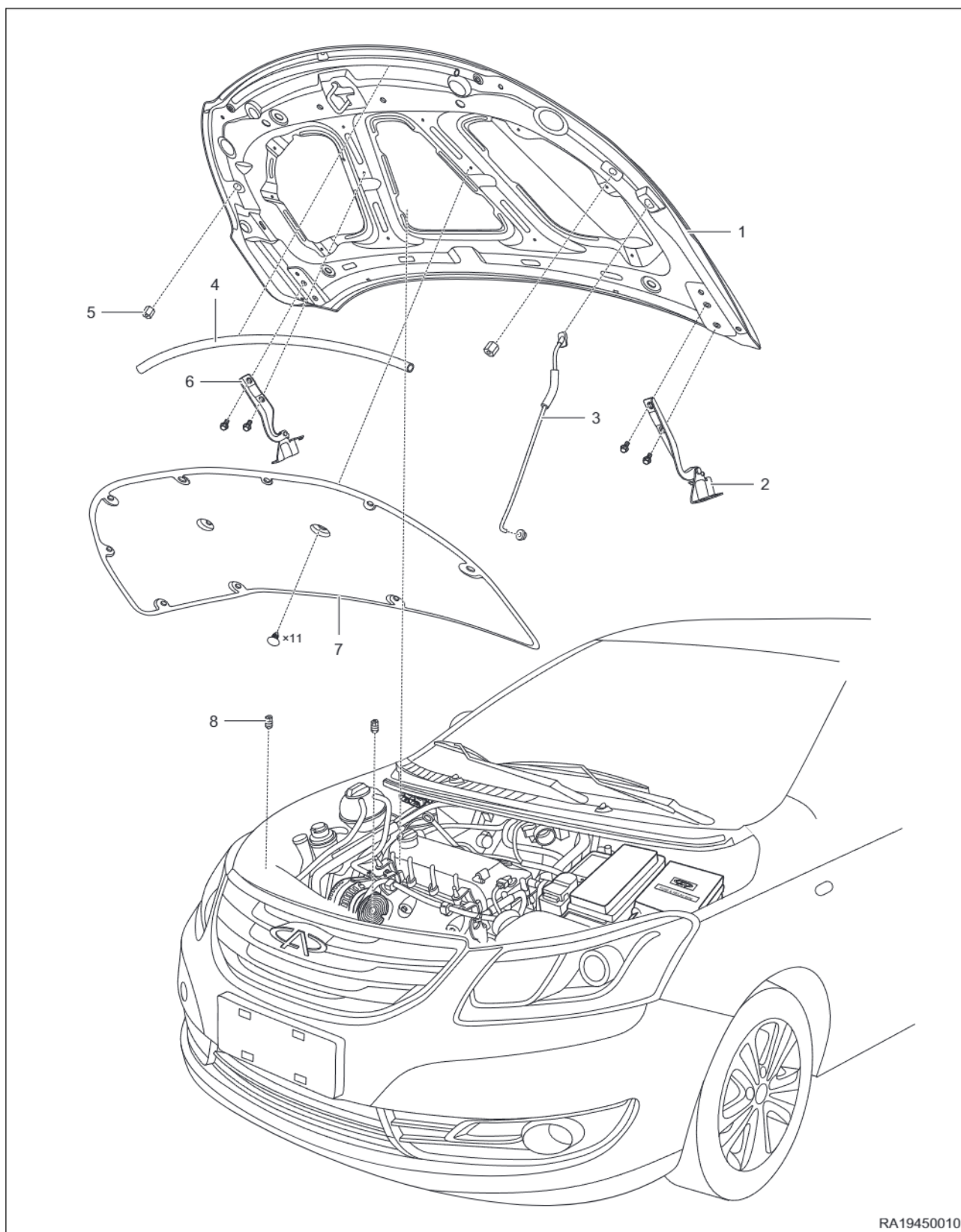
ENGINE HOOD/DOOR

GENERAL INFORMATION	45-3	Adjustment	45-31
Description	45-3	Inspection	45-33
Specifications	45-7	Rear Door Inner Protector Assembly	45-34
Tool	45-8	Removal	45-34
ON-VEHICLE SERVICE	45-9	Installation	45-36
Hood Assembly	45-9	Rear Door Assembly	45-37
Removal	45-9	Removal	45-37
Installation	45-10	Installation	45-43
Adjustment	45-11	Adjustment	45-43
Inspection	45-12	Inspection	45-45
Hood Hinge Assembly	45-13	Luggage Compartment Door Assembly	45-46
Removal	45-13	Removal	45-46
Installation	45-14	Installation	45-47
Hood Cable Assembly	45-15	Adjustment	45-48
Removal	45-15	Inspection	45-49
Installation	45-16	Luggage Compartment Door Hinge Assembly	45-50
Hood Support Rod Assembly	45-17	Removal	45-50
Removal	45-17	Installation	45-52
Installation	45-18	Luggage Compartment Door Opener Switch Assembly	45-53
Front Door Inner Protector Assembly	45-19	Removal	45-53
Removal	45-19	Inspection	45-54
Installation	45-22	Installation	45-54
Front Door Assembly	45-23		
Removal	45-23		
Installation	45-30		

GENERAL INFORMATION

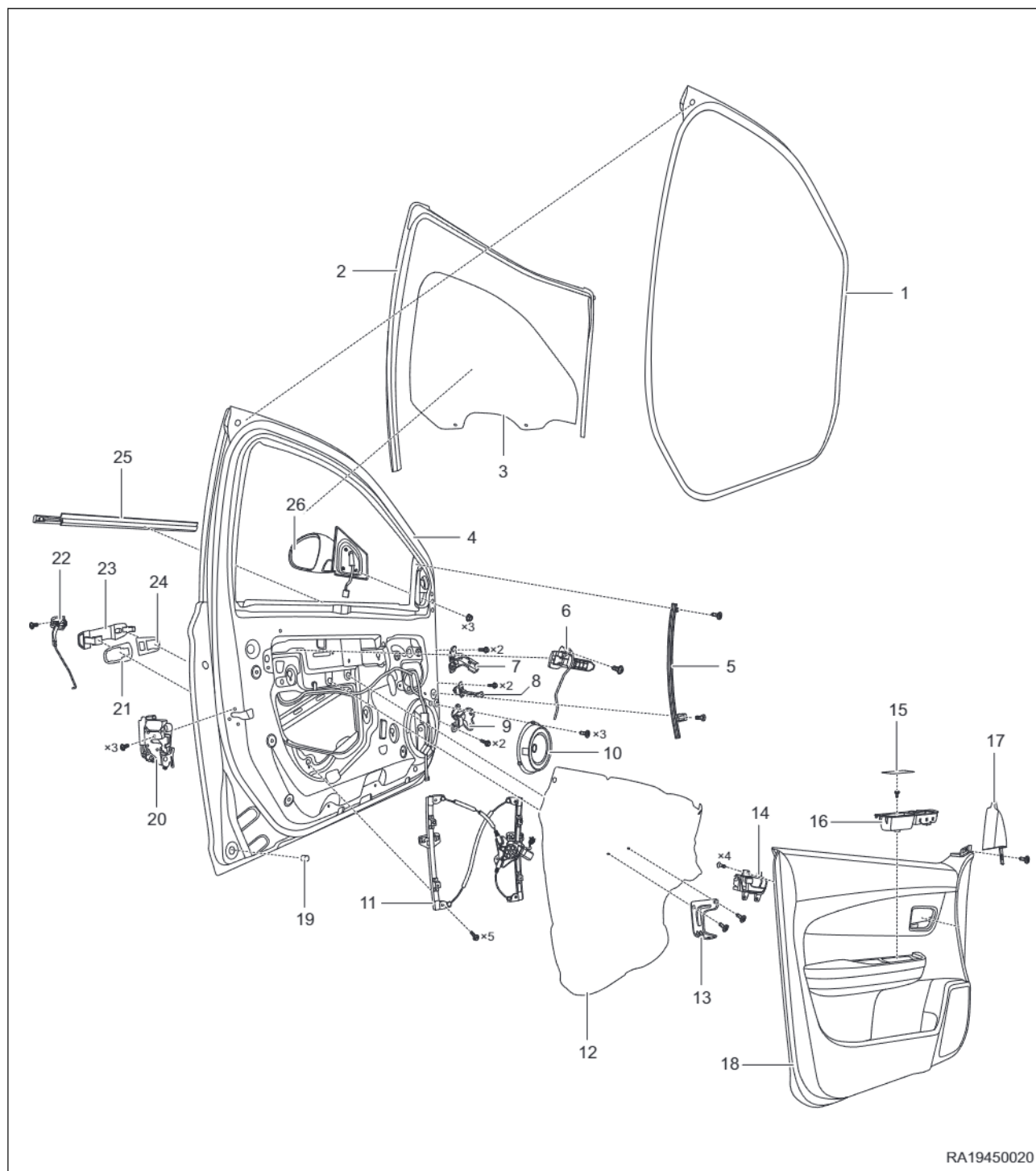
Description

Hood Assembly



1 - Hood Assembly	2 - Hood Left Hinge Assembly
3 - Hood Support Rod Assembly	4 - Hood Front Weatherstrip
5 - Hood Upper Adjustment Block	6 - Hood Right Hinge Assembly
7 - Hood Sound-absorbing Pad	8 - Hood Lower Adjustment Block

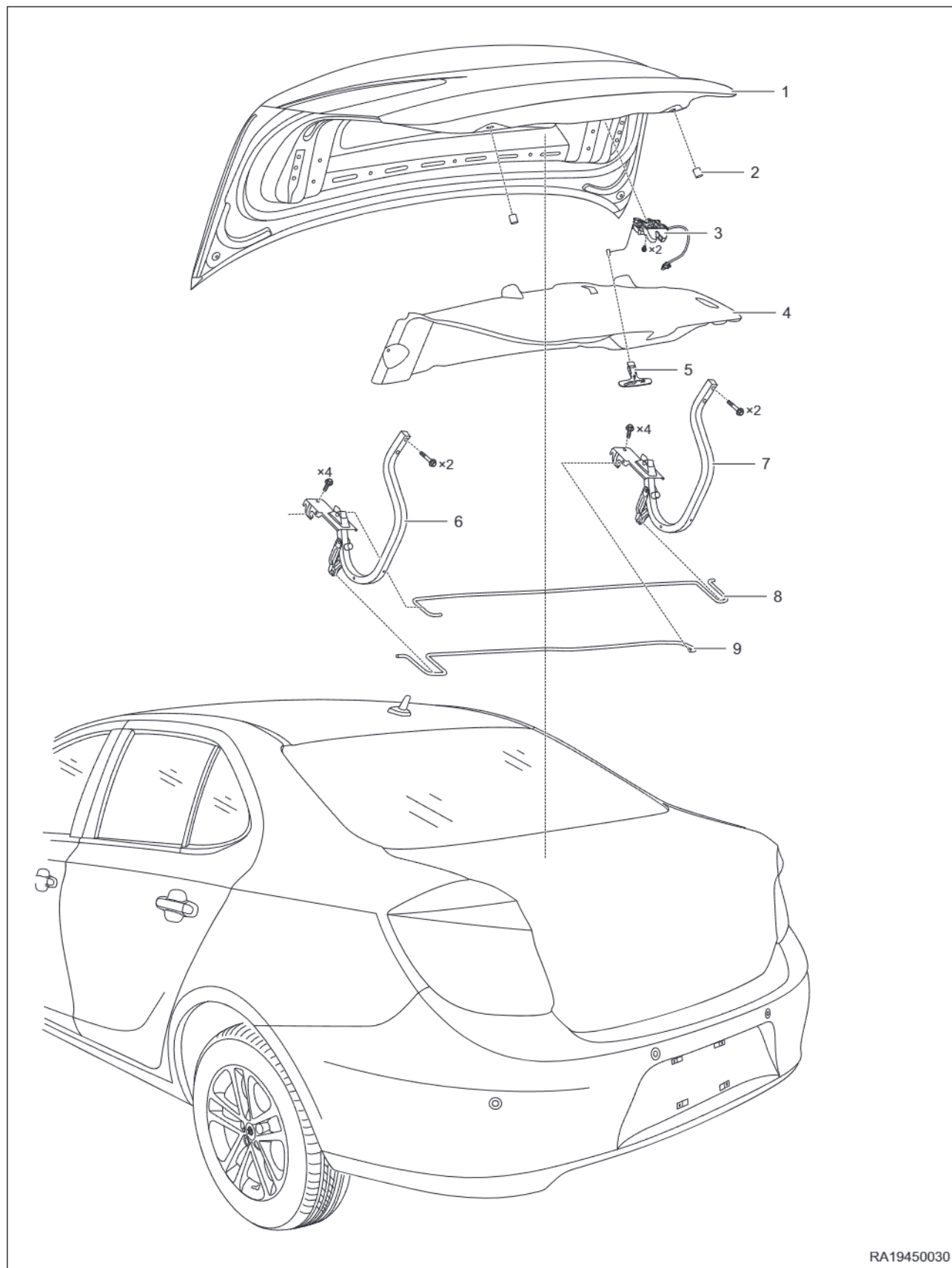
Front Left Door Assembly



RA19450020

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

Luggage Compartment Door Assembly



RA19450030

1 - Luggage Compartment Door Assembly	2 - Luggage Compartment Adjustment Block
3 - Luggage Compartment Lock Assembly	4 - Luggage Compartment Door Protector Assembly
5 - Luggage Compartment Door Opener 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 has a structure of four doors & two covers (front left door, rear left door, front right door, rear right door, luggage compartment door and hood).

Specifications

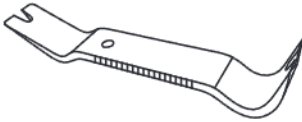
Torque Specifications

Description	Torque (N·m)
Fixing Bolt Between Hood and Hood Hinge	32 ± 3
Fixing Bolt Between Hood Hinge and Front Fender	10 ± 1
Fixing Bolt Between Hood Hinge and Body	32 ± 3
Fixing Bolt Between Front Door Hinge Assembly and Door	32 ± 3
Fixing Bolt Between Front Door Hinge Assembly and Body	32 ± 3
Fixing Bolt Between Rear Door Hinge Assembly and Door	32 ± 3
Fixing Bolt Between Rear Door Hinge Assembly and Body	32 ± 3
Front Speaker Bracket Fixing Screw	1.5 ± 0.5
Hood Lock Assembly Fixing Nut	7 ± 1.5
Front Door Protector Bracket Fixing Screw	1.5 ± 0.5
Rear Door Protector Bracket Fixing Screw	1.5 ± 0.5
Front Door Key Cylinder Protective Cover Fixing Screw	7 ± 0.7
Fixing Screw of Rear Door Protective Cover Without Key Cylinder	7 ± 0.7
Front Door Outside Handle Base Assembly Fixing Screw	7 ± 0.7
Rear Door Outside Handle Base Assembly Fixing Screw	7 ± 0.7
Front Door Lock Striker Fixing Screw	20 ± 2
Rear Door Lock Striker Fixing Screw	20 ± 2
Luggage Compartment Lock Cylinder Fixing Screw	12 ± 2

Description	Torque (N·m)
Front Door Inner Triangular Block Assembly Fixing Screw	1.5 ± 0.5
Front Door Inside Handle Assembly Fixing Screw	1.5 ± 0.5
Rear Door Inside Handle Assembly Fixing Screw	1.5 ± 0.5
Front Door Inner Protector Assembly Fixing Screw	1.5 ± 0.5
Fixing Bolt Between Front Door Check Assembly and Door	10 ± 2
Fixing Bolt Between Front Door Check Assembly and Body	22 ± 3.5
Fixing Bolt Between Rear Door Check Assembly and Door	10 ± 2
Fixing Bolt Between Rear Door Check Assembly and Body	22 ± 3.5
Fixing Bolt Between Luggage Compartment Door Assembly and Luggage Compartment Door Hinge Assembly	10 ± 1.5
Fixing Bolt Between Luggage Compartment Door Hinge Assembly and Body	10 ± 1.5

Tool

Special Tool

Interior Crow Plate	 RCH0000025
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ON-VEHICLE SERVICE

Hood Assembly

Removal

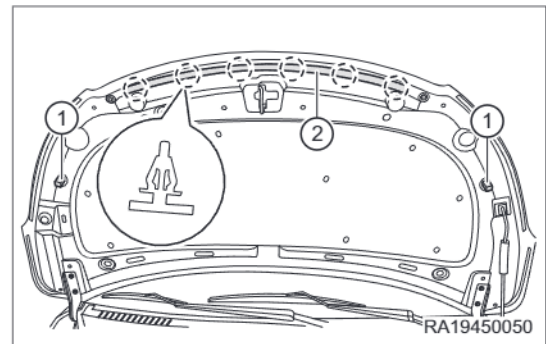
WARNING

- When removing the hood assembly, an assistant is needed to hold the hood.
- Prevent the hood from dropping or sudden closing to cause accidents during operation.

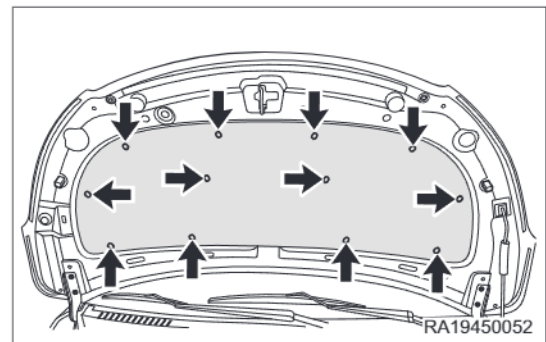
CAUTION

- Make sure to wear safety equipment to prevent accidents when removing the hood assembly.
- Try to prevent the body paint surface from being scratched when removing the hood assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the hood upper adjustment block.
 - a. Turn the hood upper adjustment blocks counterclockwise.
 - b. Remove the hood adjustment blocks (1).
4. Remove the hood front weatherstrip.
 - a. Remove the clips from the hood front weatherstrip.
 - b. Remove the hood front weatherstrip (2).

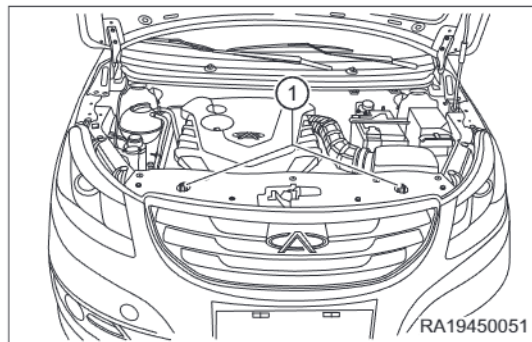


5. Remove the hood sound-absorbing pad.
 - a. Remove the clips (arrow) from the hood sound-absorbing pad, and remove the hood sound-absorbing pad.

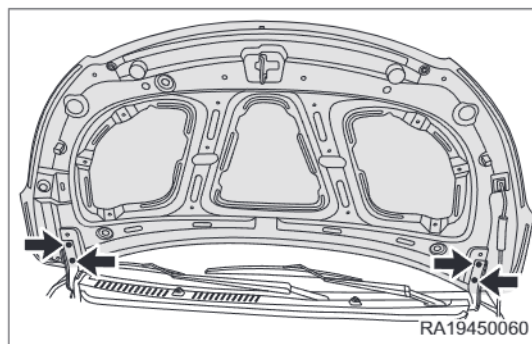


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6. Remove the hood lower adjustment block.
 - a. Turn the hood lower adjustment blocks counterclockwise.
 - b. Remove the hood lower adjustment blocks (1).



7. Remove the hood assembly.
 - a. Remove 4 fixing bolts (arrow) between hood assembly and hood hinge assembly, and remove the hood assembly.
(Tightening torque: 32 ± 3 N·m)



Installation

Installation is in the reverse order of removal.

WARNING

- When installing the hood assembly, an assistant is needed to hold the hood.
- Prevent the hood from dropping or sudden closing to cause accidents during operation.

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CAUTION

- Make sure to wear safety equipment to prevent accidents when installing the hood assembly.
- Try to prevent the body paint surface from being scratched when installing the hood assembly.

Adjustment

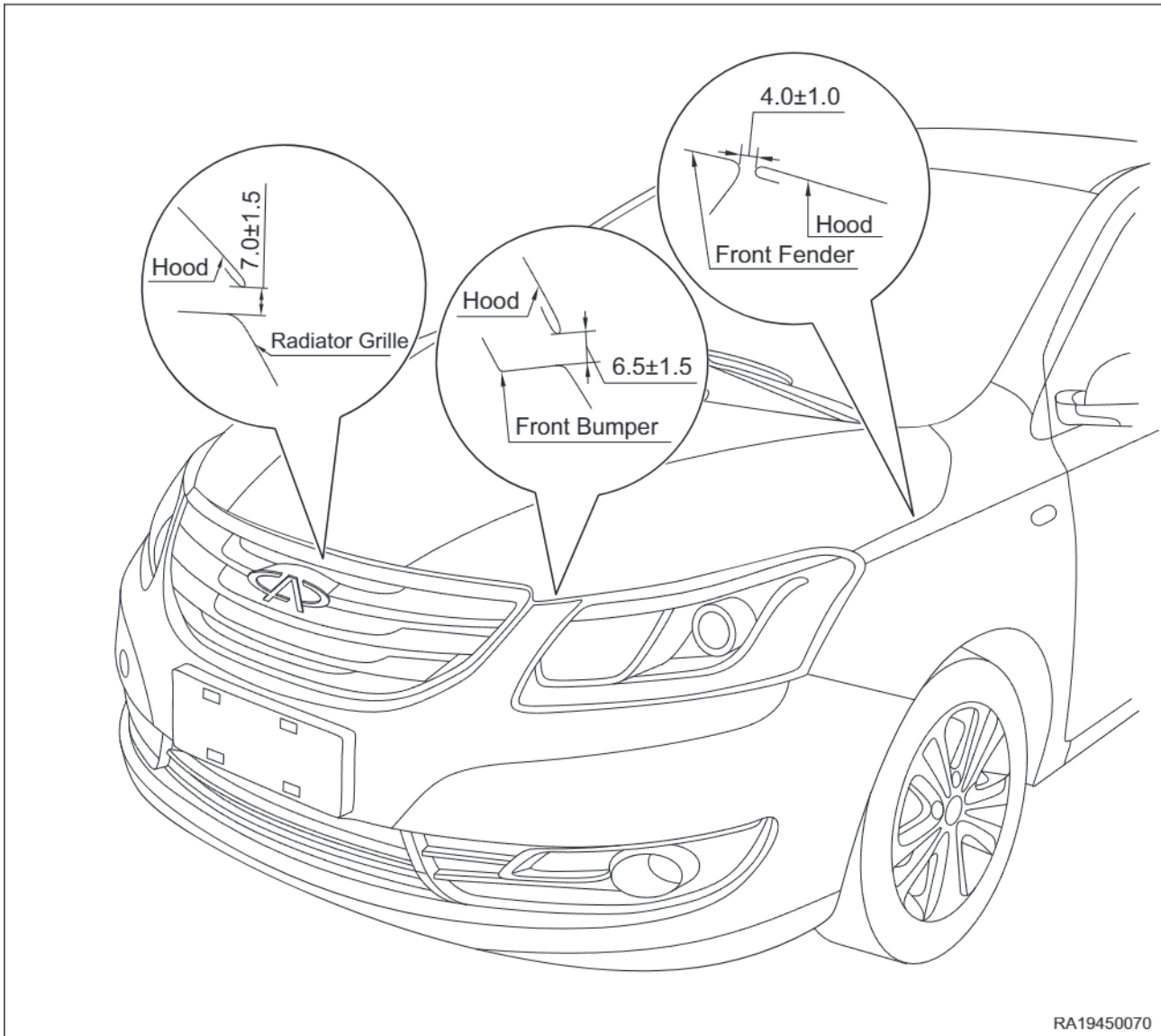
1. Adjust the hood assembly.
 - a. Loosen the fixing bolts on the hood hinge assembly.
 - b. Adjust the clearance of the hood assembly to standard range and pre-tighten the fixing bolts on the hood hinge assembly.

The standard ranges of clearance between the installation positions of hood assembly and each part are as follows:

Clearance between hood assembly and radiator grille: 7.0 ± 1.5 mm.

Clearance between hood assembly and front bumper assembly: 6.5 ± 1.5 mm.

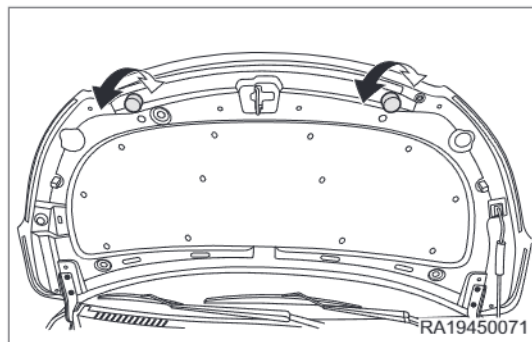
Clearance between hood assembly and front fender assembly: 4.0 ± 1.0 mm.



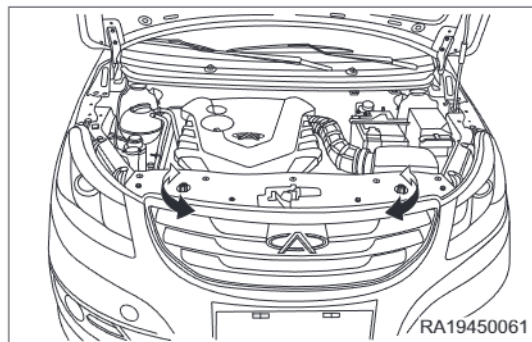
- c. After adjustment, tighten the fixing bolts between hood hinge assembly and hood assembly to the specified torque.
(Tightening torque: 32 ± 3 N·m)
- d. After adjustment, tighten the fixing bolts between hood hinge assembly and body to the specified torque.
(Tightening torque: 32 ± 3 N·m)

2. Adjust the height of hood front end with the adjustment block.

- a. Raise or lower the hood front end by rotating the upper adjustment blocks clockwise or counterclockwise.



- b. Raise or lower the hood front end by rotating the lower adjustment blocks clockwise or counterclockwise.



- c. After adjustment, make sure that the alignment between hood assembly and front fender assembly is within the standard range.

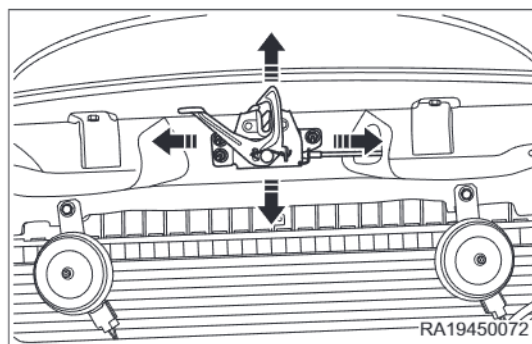
Standard alignment: 0 ± 1.0 mm

- d. After adjustment, make sure that the alignment between hood assembly and front bumper assembly is within the standard range.

Standard alignment: 3.0 ± 1.5 mm

3. Adjust the hood lock assembly.

- a. Slightly loosen the fixing nuts of hood lock assembly and adjust the hood lock assembly in the direction of arrow as shown in the illustration.



- b. Tighten the hood lock assembly fixing nuts to the specified torque after adjustment.
(Tightening torque: 7 ± 1.5 N·m)

Inspection

After the hood assembly is adjusted, perform the following inspections:

1. Check the hood for wear or deformation during installation, and repair it as necessary.
2. Check if the fixing bolts and fixing nuts are set in position. Tighten them to the specified torque as necessary.
3. Check if the clearance and alignment between hood assembly and the front fender assembly, radiator grille and front bumper assembly are within the specified range, and adjust them as necessary.

Hood Hinge Assembly

Removal

HINT:

- Use the same procedures for the right side and left side.
- The procedures listed below are for the left side.

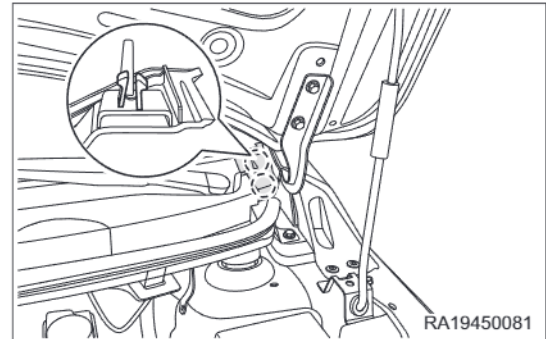
WARNING

- When removing the hood hinge assembly, an assistant is needed to hold the hood.
- Prevent the hood from dropping or sudden closing to cause accidents during operation.

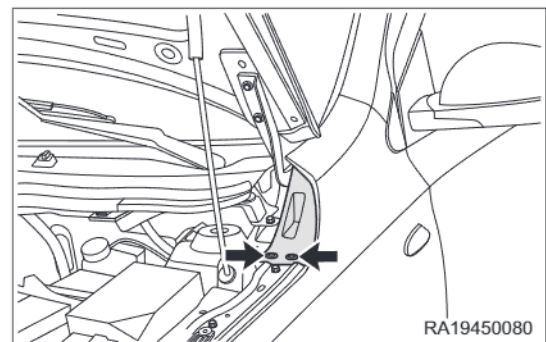
CAUTION

- Make sure to wear safety equipment to prevent accidents when removing the hood hinge assembly.
- Try to prevent the body paint surface from being scratched when removing the hood hinge assembly.
- When removing the hood hinge assembly, prevent the hood from dropping to damage the body or front windshield during operation.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front windshield lower garnish left seal block.
 - a. Using a screwdriver wrapped with protective tape, pry up the clips on the front windshield lower garnish left seal block.



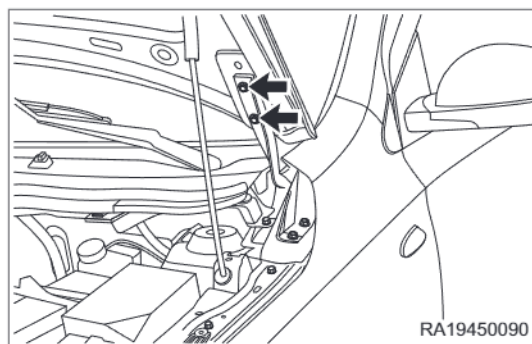
- b. Remove the front windshield lower garnish left seal block.
4. Remove the front left fender cover plate.
 - a. Remove 2 plastic clips (arrow) from the fender cover plate.



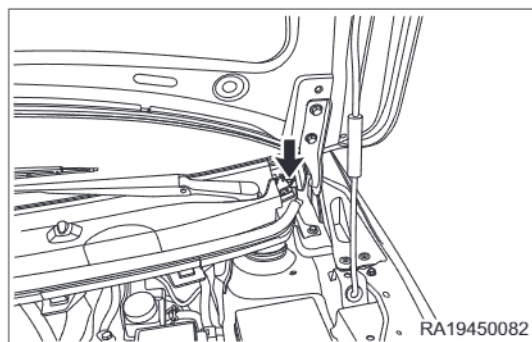
- b. Remove the front left fender cover plate.

5. Remove the hood left hinge assembly.

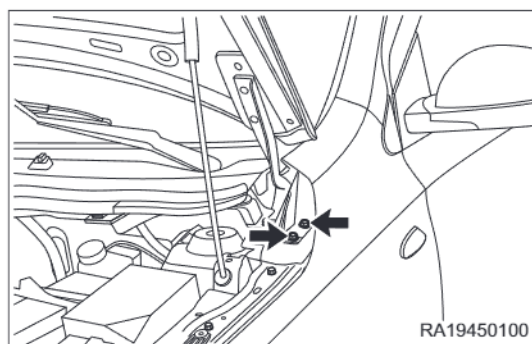
- a. Remove 2 fixing bolts (arrow) between hood hinge assembly and hood assembly.
(Tightening torque: 32 ± 3 N·m)



- b. Remove the fixing bolt (arrow) between hood hinge assembly and front fender assembly.
(Tightening torque: 10 ± 1 N·m)



- c. Remove 2 fixing bolts (arrow) between hood hinge assembly and body.
(Tightening torque: 32 ± 3 N·m)



- d. Remove the hood hinge assembly.

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Installation

Installation is in the reverse order of removal.

⚠ WARNING

- When installing the hood hinge assembly, an assistant is needed to hold the hood.
- Prevent the hood from dropping or sudden closing to cause accidents during operation.

👁 CAUTION

- After installing the hood hinge assembly, it is necessary to adjust the hood.
- When installing the hood hinge assembly, prevent the hood from dropping to damage the body or front windshield during operation.

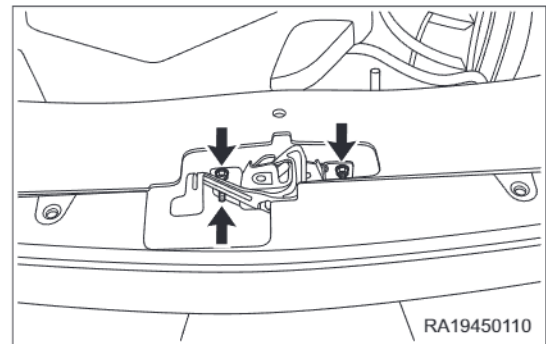
Hood Cable Assembly

Removal

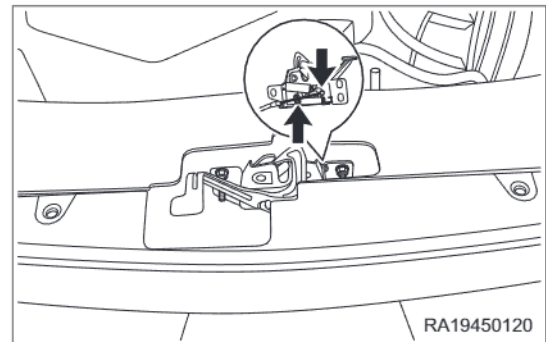
CAUTION

- Make sure to wear safety equipment to prevent accidents when removing the hood cable assembly.
- Try to prevent the body paint surface from being scratched when removing the hood cable assembly.

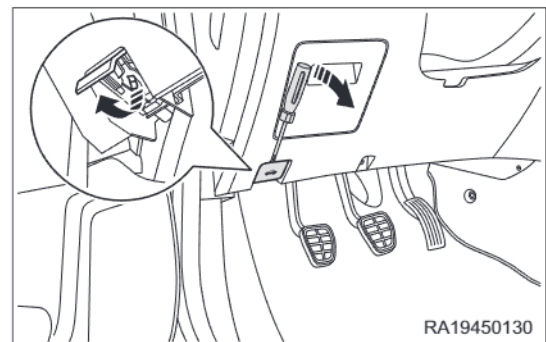
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front left wheel house protector assembly (See page 46-15).
4. Remove the hood lock assembly.
 - a. Remove 3 fixing nuts (arrow) from the hood lock assembly.
(Tightening torque: $7 \pm 1.5 \text{ N}\cdot\text{m}$)



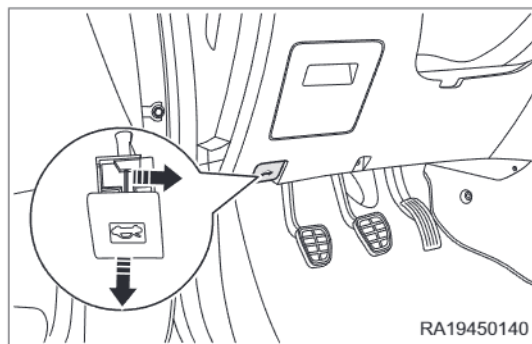
- b. Disengage the clips (arrow) of hood cable assembly.



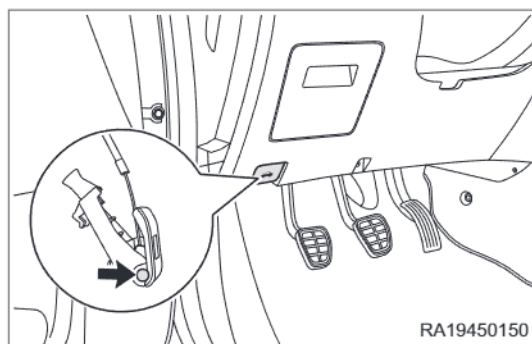
- c. Remove the hood lock assembly.
5. Remove the hood grip assembly.
 - a. As shown in the illustration, pry up the clip of hood grip and pry the hood grip assembly to loosen the hood grip assembly.



- b. As shown in the illustration, pull down the hood grip assembly and move the hood cable to the right to get the hood cable out of the guide of hood grip assembly.

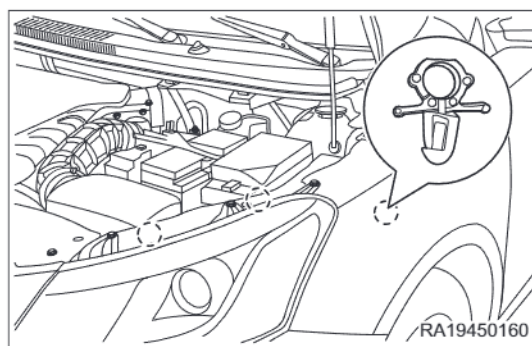


- c. Remove the hood cable (arrow) to separate the hood cable from the hood grip assembly.



6. Remove the hood cable assembly.

- a. Using a screwdriver wrapped with protective tape, remove the clips from the hood cable assembly.



- b. Remove the hood cable assembly.

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Installation

Installation is in the reverse order of removal.

CAUTION

- Try to prevent the body paint surface from being scratched when installing the hood cable assembly.
- After the installation of hood cable assembly is completed, make sure the hood can be opened smoothly without sticking.

Hood Support Rod Assembly

Removal

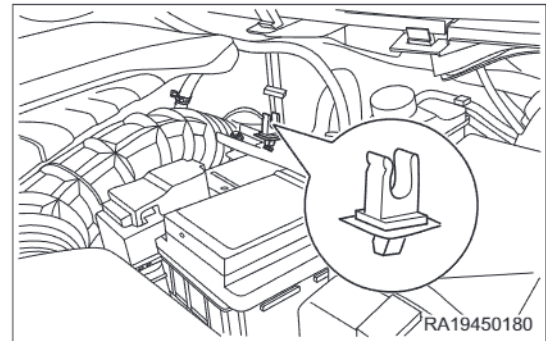
WARNING

- When removing the hood support rod assembly, an assistant is needed to hold the hood.
- Prevent the hood from dropping or sudden closing to cause accidents during operation.

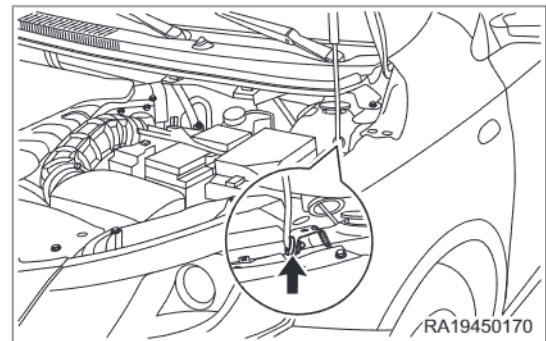
CAUTION

- Make sure to wear safety equipment to prevent accidents when removing the hood support rod assembly.
- Try to prevent the body paint surface from being scratched when removing the hood support rod assembly.
- When removing the hood support rod assembly, prevent the hood from dropping to cause accidents during operation.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the hood support rod clip.
 - a. Using a screwdriver wrapped with protective tape, pry up the claw.



- b. Remove the hood support rod clip.
4. Remove the hood support rod assembly.
 - a. Using a screwdriver wrapped with protective tape, pry up the fixing sleeve (arrow) on the hood support rod assembly lower end, and remove the hood support rod assembly.



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Installation

Installation is in the reverse order of removal.

WARNING

- When removing the hood support rod assembly, an assistant is needed to hold the hood.
- Prevent the hood from dropping or sudden closing to cause accidents during operation.

CAUTION

- Try to prevent the body paint surface from being scratched when installing the hood support rod assembly.
- The hood support rod assembly and hood support rod clip should be fitted closely after installing the hood support rod assembly.

Front Door Inner Protector Assembly

Removal

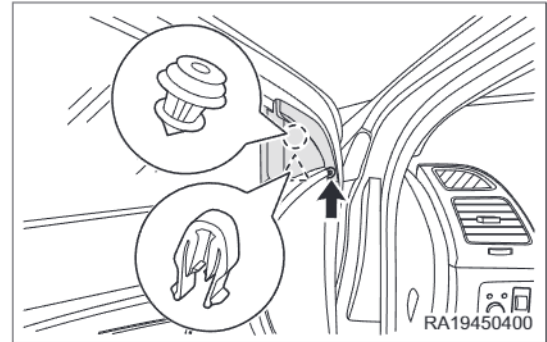
HINT:

- Use the same procedures for the right side and left side.
- The procedures listed below are for the left side.

CAUTION

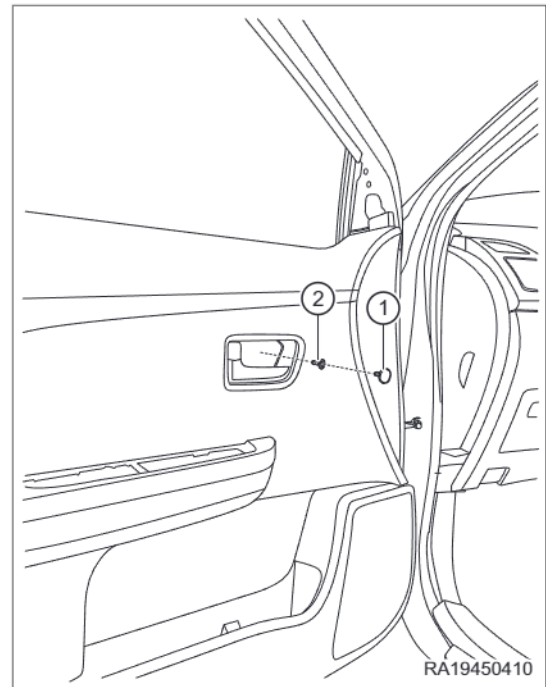
- Make sure to wear safety equipment to prevent accidents when removing the front door inner protector assembly.
- Avoid damage to the surface of front door inner protector when removing the front door inner protector assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the glass regulating control master switch assembly ([See page 41-48](#)).
4. Remove the front left door inner triangular block assembly.
 - a. Remove the fixing screw (arrow) from the front door inner triangular block assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Using an interior crow plate, pry off the fixing clips from the front door inner triangular block assembly,

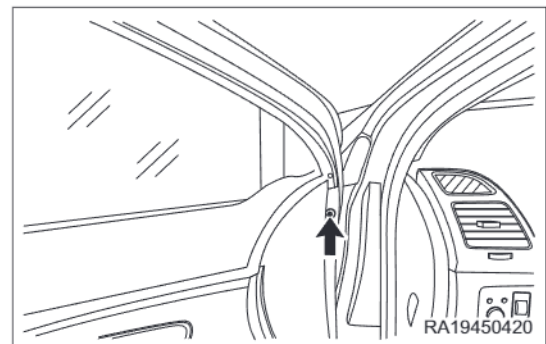


- c. Remove the front left door inner triangular block assembly.

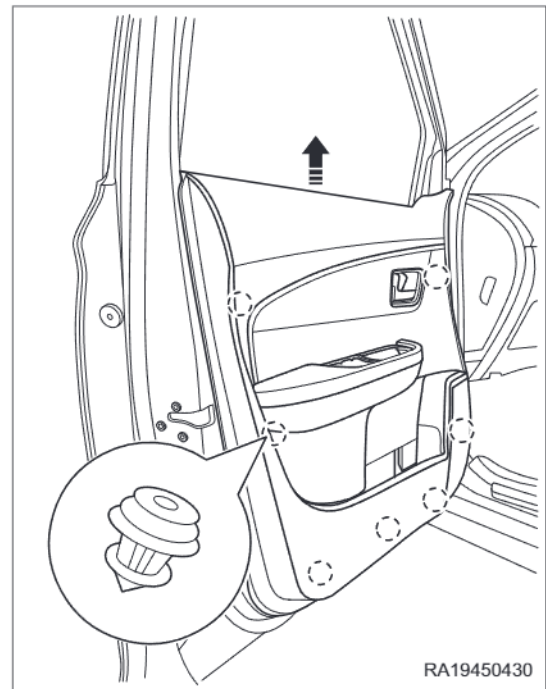
5. Loosen the front left door inside handle assembly.
 - a. Using a screwdriver wrapped with protective tape, pry off the front door inside handle cover (1).
 - b. Remove the fixing screw (2) from the front door inside handle assembly.
(Tightening torque: 1.5 ± 0.5 N·m)



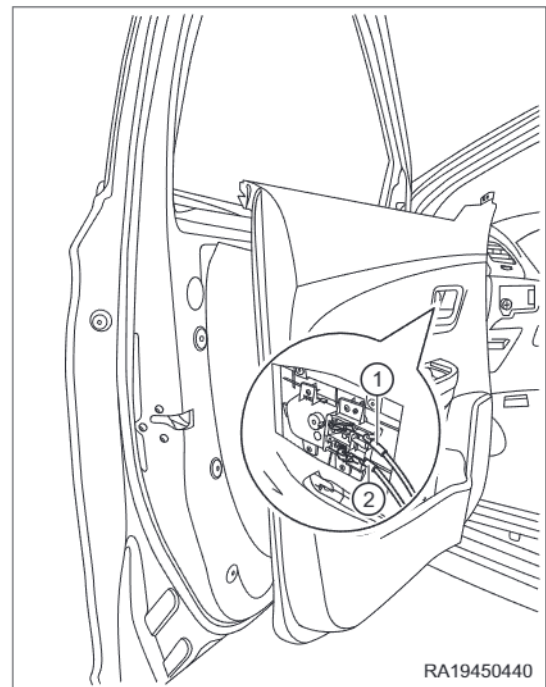
6. Remove the front left door inner protector assembly.
 - a. Remove the fixing screw (arrow) from the front door inner protector assembly.
(Tightening torque: 1.5 ± 0.5 N·m)



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

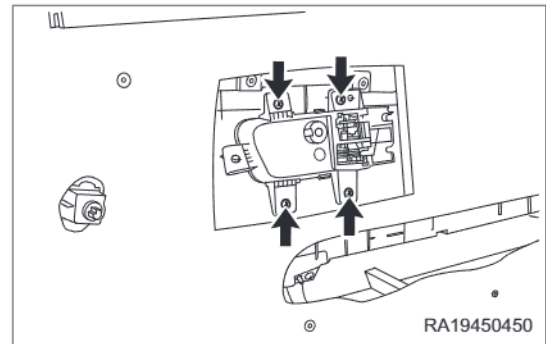


- c. Disconnect the front door lock cable (1) and front door inside open cable (2).



- d. Remove the front left door inner protector assembly.

7. Remove the front left door inside handle assembly.
 - a. Remove 4 fixing screws (arrow) from the front door inside handle assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



- b. Remove the front door inside handle assembly from the front door inner protector assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

- Replace the damaged clips and install the front door inner protector assembly in place when installing the front door inner protector assembly.
- Check that the inside handle assembly can be used normally after installing the front door inner protector assembly.

Front Door Assembly

Removal

HINT:

- Use the same procedures for the right side and left side.
- The procedures listed below are for the left side.

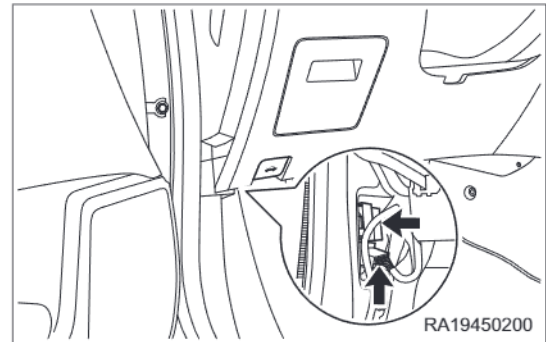
WARNING

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

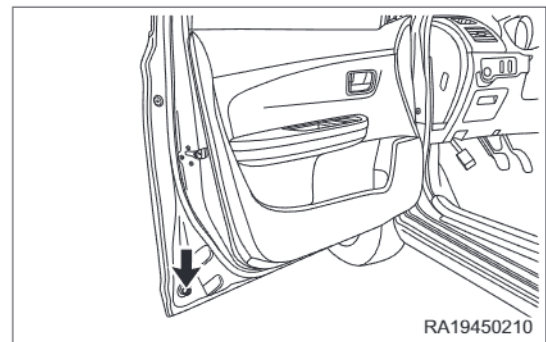
CAUTION

- Make sure to wear safety equipment to prevent accidents when removing the front door assembly.
- Try to prevent the body paint surface from being scratched when removing the front door assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Disconnect the front left door connectors (arrow).

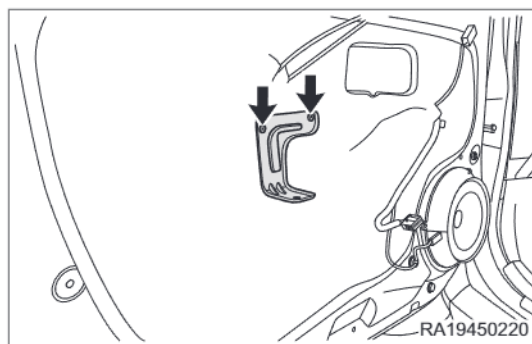


4. Remove the front left door buffer block.
 - a. Using a screwdriver wrapped with protective tape, remove the front door buffer block (arrow).

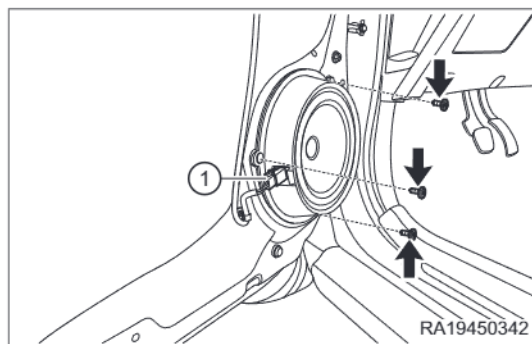


5. Remove the front left door inner protector assembly ([See page 45-19](#)).

6. Remove the front left door protector bracket.
 - a. Remove 2 fixing screws (arrow) from the front door protector bracket.
(Tightening torque: 1.5 ± 0.5 N·m)



- b. Remove the front door protector bracket.
7. Remove the front left speaker.
 - a. Disconnect the front speaker connector (1).
 - b. Remove 3 fixing screws (arrow) from the front speaker.
(Tightening torque: 1.5 ± 0.5 N·m)



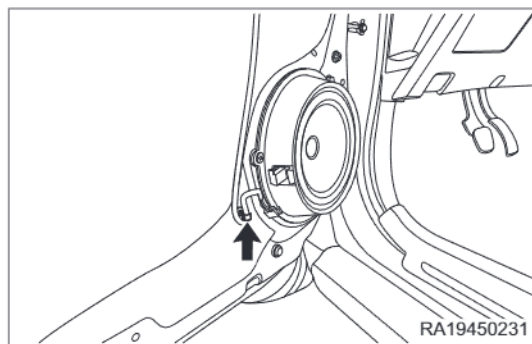
- c. Remove the front speaker.
8. Remove the front left door protective film assembly.

CAUTION

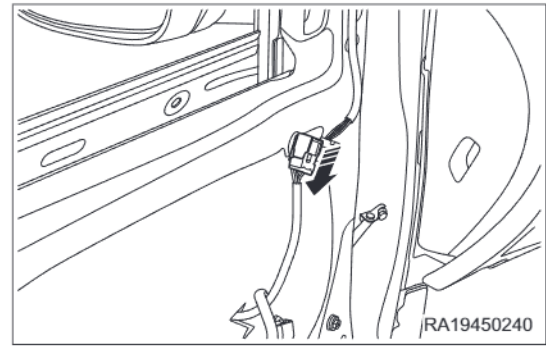
- Avoid damage to the front door protective film when removing the front door protective film assembly.
- Place the front door protective film assembly properly after removal, and avoid the adhesive sticker on the front door protective film assembly from sticking to other components.

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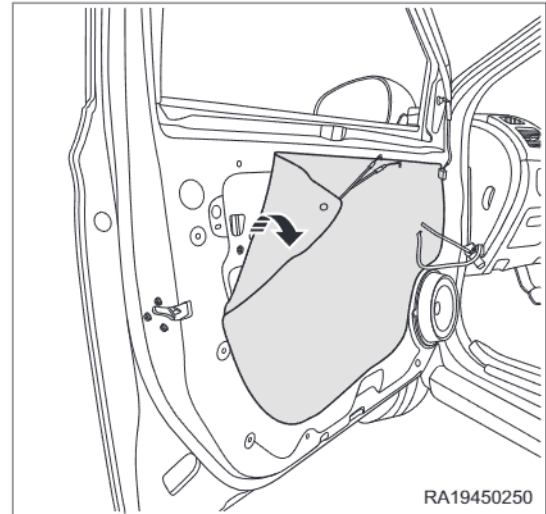
- a. Disengage the wire harness clip (arrow).



- b. Disengage the wire harness clip in the direction of arrow as shown in the illustration.

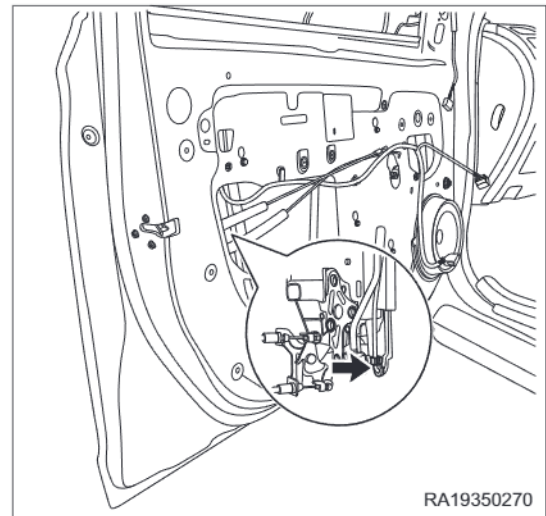


- c. Remove the front left door protective film assembly by gently pulling it along edges from one corner of the front left door protective film assembly.

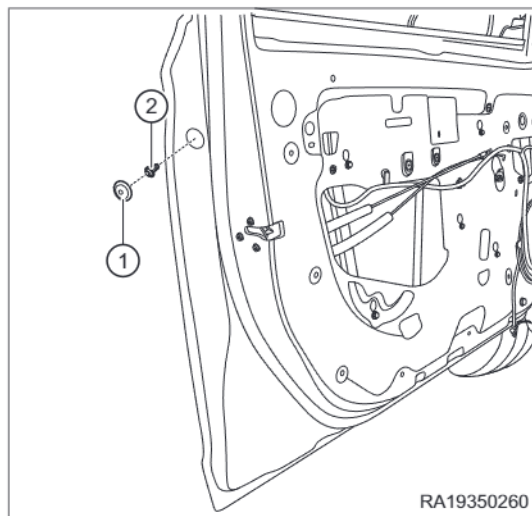


9. Remove the front left door key cylinder protective cover.

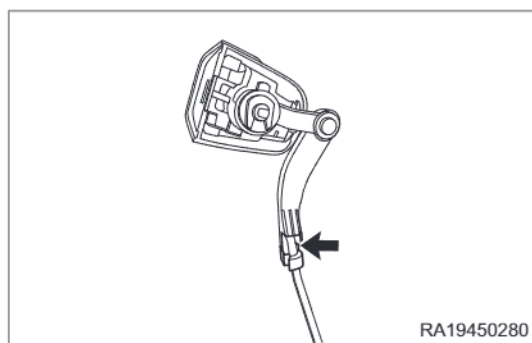
- a. Disengage the clip (arrow) from the front door key cylinder protective cover lever.



- b. Using a screwdriver wrapped with protective tape, remove the front door key cylinder protective cover block cover (1).
- c. Remove the fixing screw (2) from the front door key cylinder protective cover, and remove the front left door key cylinder protective cover.
(Tightening torque: $7 \pm 0.7 \text{ N}\cdot\text{m}$)

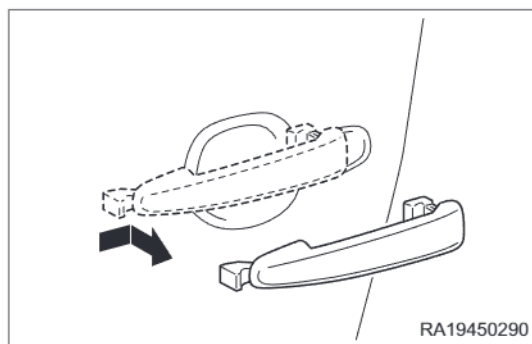


- d. Disengage the clip (arrow) from the front door key cylinder protective cover lever, and separate the front door key cylinder protective cover from the front door key cylinder protective cover lever.



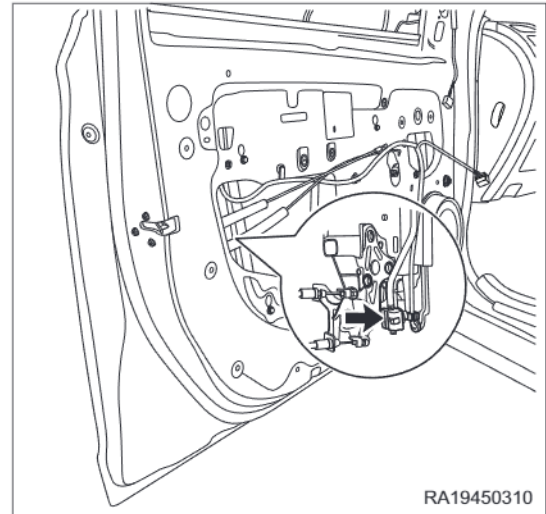
10. Remove the front left door outside handle.

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

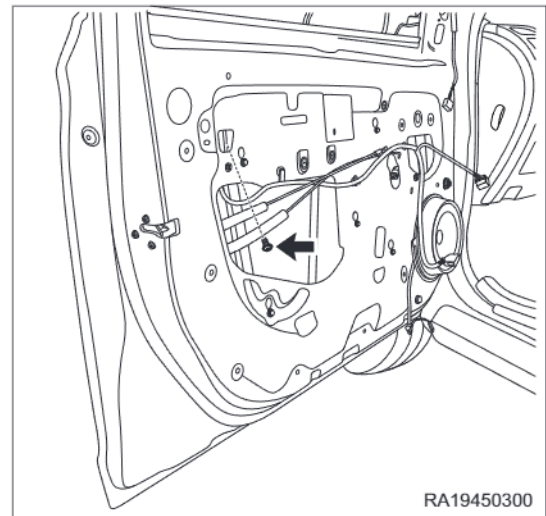


11. Remove the front left door outside handle base assembly.

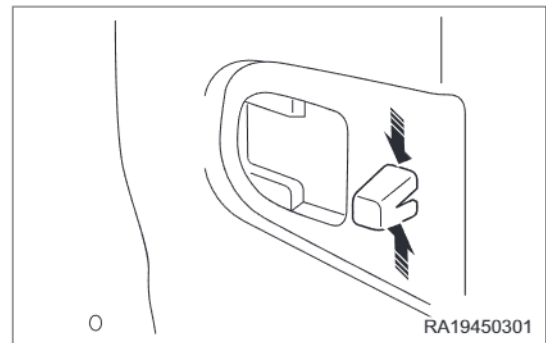
- a. Disengage the clip (arrow) from the front door outside handle base lever.



- b. Remove the fixing screw (arrow) from the front door outside handle base assembly.
(Tightening torque: $7 \pm 0.7 \text{ N}\cdot\text{m}$)



- c. Using the pliers, hold the clip and remove it together with the front door outside handle base assembly.

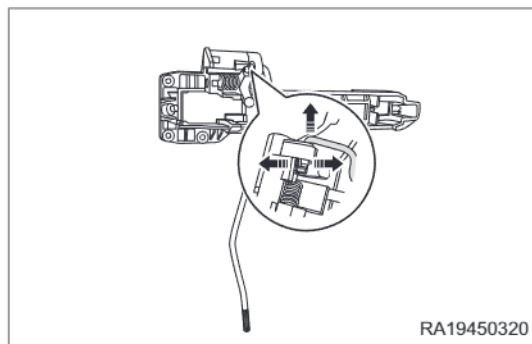


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 CAUTION

- Make sure to remove the clip together with outside handle frame. If the clip is still secured to the door panel, it may be damaged.

- d. Separate the outside handle base lever and the front door outside handle base assembly in the direction of arrow as shown in the illustration.

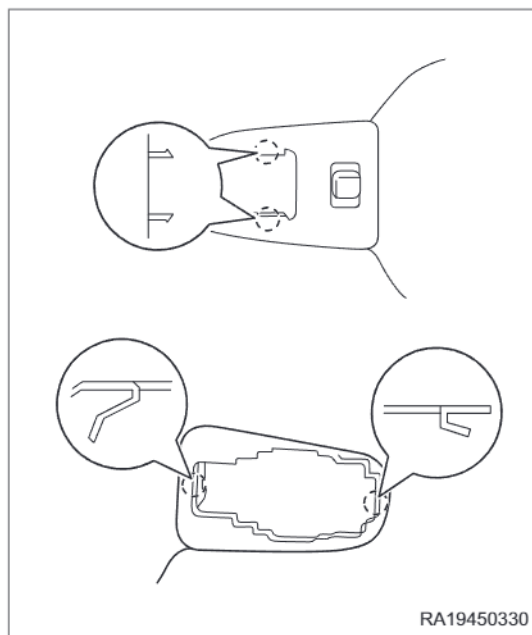


12.Remove the outside handle gasket.

- a. Disengage the claw from the outside handle gasket, and remove the outside handle gasket.

13.Remove the outside handle rear end gasket.

- a. Disengage the claw from the outside handle rear end gasket, and remove the outside handle rear end gasket.



14.Remove the left outside rear view mirror assembly (See page 42-8).

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15.Remove the front left door glass assembly (See page 41-51).

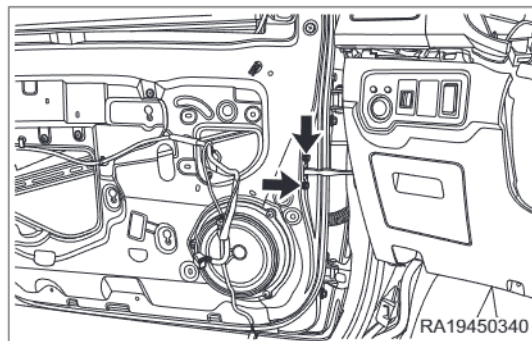
16.Remove the front left door glass front guide rail assembly (See page 41-53).

17.Remove the front left door power glass regulator assembly (See page 41-54).

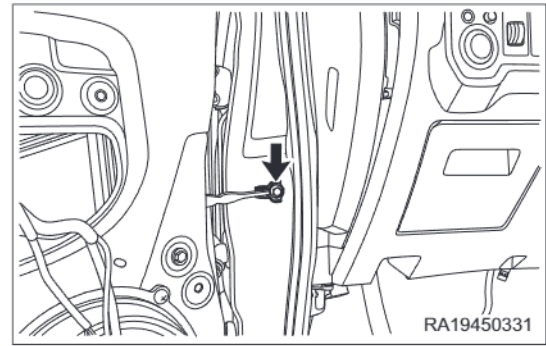
18.Remove the front left door lock assembly (See page 35-41).

19.Remove the front left door check assembly.

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



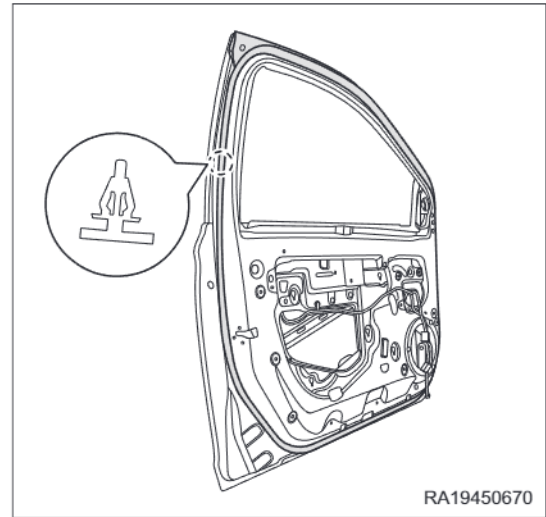
- b. Remove the fixing bolt (arrow) between front door check assembly and body.
(Tightening torque: 22 ± 3.5 N·m)



- c. Remove the front left door check assembly.

20. Remove the front left door frame weatherstrip.

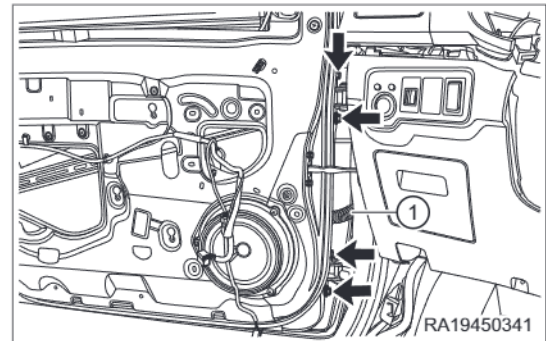
- a. Remove the clip from the front door frame weatherstrip.



- b. Remove the front left door frame weatherstrip.

21. Remove the front left door assembly.

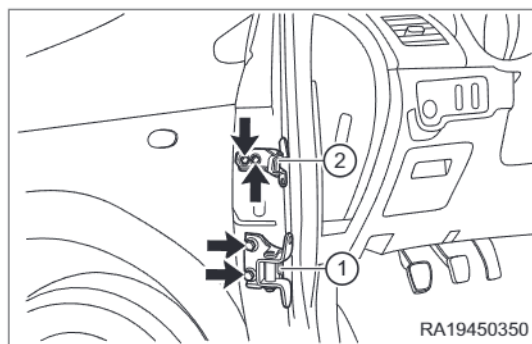
- a. Using a screwdriver wrapped with protective tape, pry off the front door dust boot (1).
- b. Remove 4 fixing bolts (arrow) between front door hinge assembly and door.
(Tightening torque: 32 ± 3 N·m)



- c. Remove the front left door assembly.

22. Remove the front left door hinge assembly.

- a. Remove 4 fixing bolts (arrow) between front door hinge assembly and body.
(Tightening torque: $32 \pm 3 \text{ N}\cdot\text{m}$)
- b. Remove the front door upper hinge assembly (1) and front door lower hinge assembly (2).



Installation

Installation is in the reverse order of removal.

⚠ WARNING

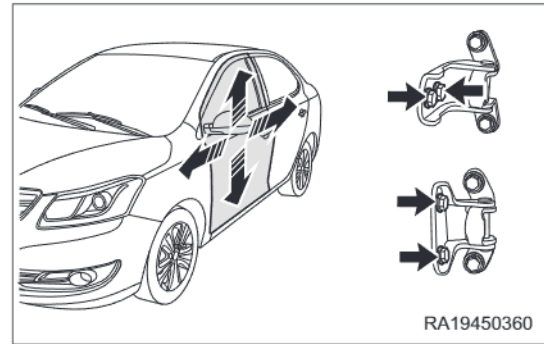
- When installing the front door assembly, make sure to wear safety equipment to prevent accidents.
- When installing the front door assembly, an assistant is needed to hold the front door to prevent the front door from dropping to cause accidents during operation.

👁 CAUTION

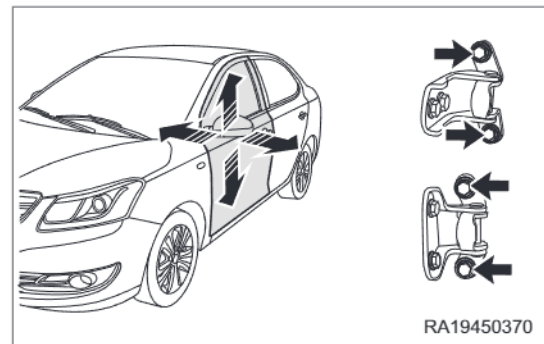
- Replace the damaged clips and install the front door protector in place when installing the front door protector.
- Stick the protective film in specified position, not in a wrong position or a asymmetric position between the left and right sides or covering the holes of other installation parts.
- DO NOT drag the protective film when assembling it. Assemble it in its original condition and ensure that the sheet metal is clean before assembly.
- The finished protective film should have no defects, such as wrinkles, bubbles or turnups.
- The finished protective film should have powerful adherence.
- The protective film sticking should be finished at one time. Avoid repeat sticking.

Adjustment

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



- b. Tighten the fixing bolts on the front door hinge assemblies to the specified torque after adjustment. (Tightening torque: 32 ± 3 N·m)
 - c. Loosen the fixing bolts on the front door hinge assemblies and adjust the front door assembly position in the direction of arrow as shown in the illustration.



- d. Tighten the fixing bolts on the front door hinge assemblies to the specified torque after adjustment. (Tightening torque: 32 ± 3 N·m)

- e. The standard ranges of clearance and alignment between installation positions of front door assembly and each part are as follows:

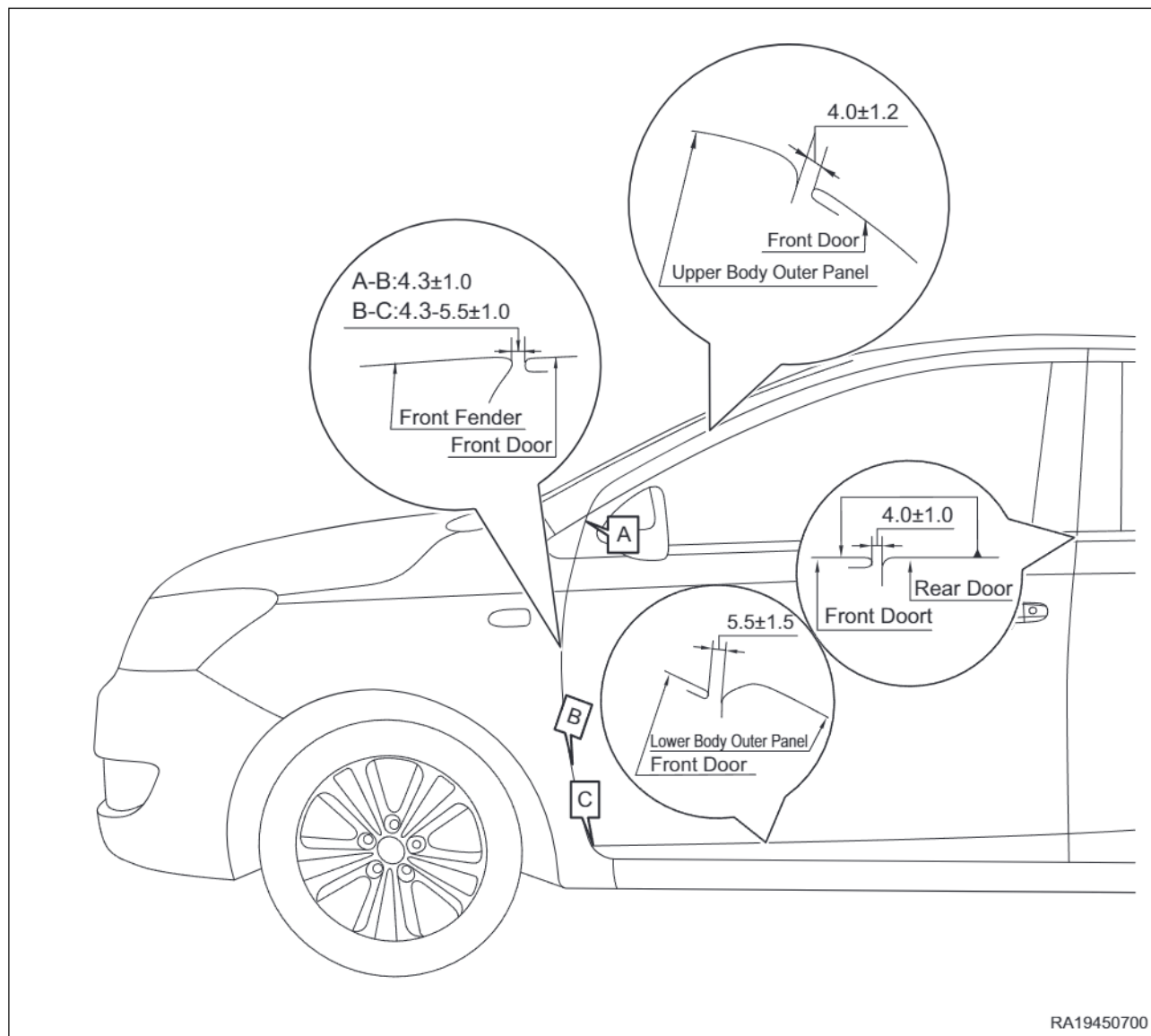
Clearance between front door assembly and rear door assembly: 4.0 ± 1.0 mm.

Clearance between front door assembly and lower body outer panel: 5.5 ± 1.5 mm.

Clearance A-B between front door assembly and front fender assembly: 4.3 ± 1.0 mm.

Clearance B-C between front door assembly and front fender assembly: $4.3 - 5.5 \pm 1.0$ mm.

Clearance between front door assembly and upper body outer panel: 4.0 ± 1.2 mm.



RA19450700

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

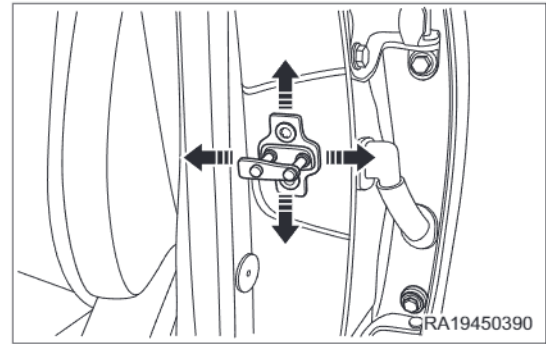
Standard alignment: $0 + 1.0/-0.5$ mm

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

Standard alignment: $0.5 + 0.7/-0.5$ mm

2. Adjust the front left door lock striker.

- a. Slightly loosen the fixing screws on the front door lock striker and tap it with a plastic hammer in the direction of arrow as shown in the illustration to adjust the lock striker position.



- b. Tighten the fixing screws on the front door lock striker to the specified torque after adjustment.
(Tightening torque: 20 ± 2 N·m)

Inspection

After the front left door assembly is adjusted, perform the following inspections:

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

Rear Door Inner Protector Assembly

Removal

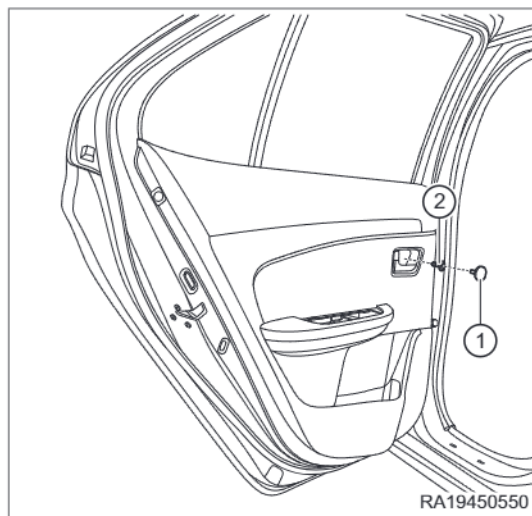
HINT:

- Use the same procedures for the right side and left side.
- The procedures listed below are for the left side.

CAUTION

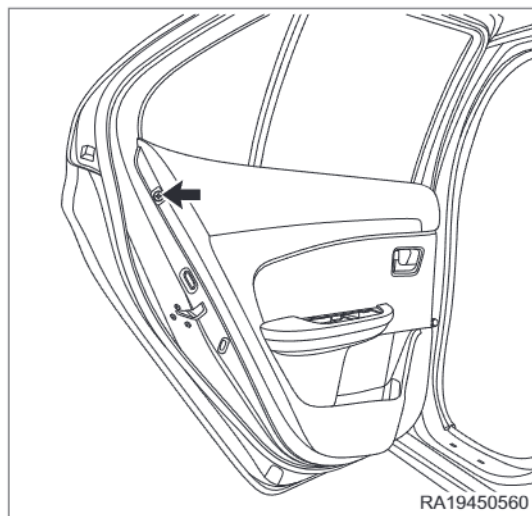
- Make sure to wear safety equipment to prevent accidents when removing the rear door inner protector assembly.
- Avoid damage to the surface of rear door inner protector when removing the rear door inner protector assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the left glass regulating control switch ([See page 41-56](#)).
4. Loosen the rear left door inside handle assembly.
 - a. Using a screwdriver wrapped with protective tape, pry off the rear door inside handle cover (1).
 - b. Remove the fixing screw (2) from the rear door inside handle assembly.
(Tightening torque: 1.5 ± 0.5 N·m)

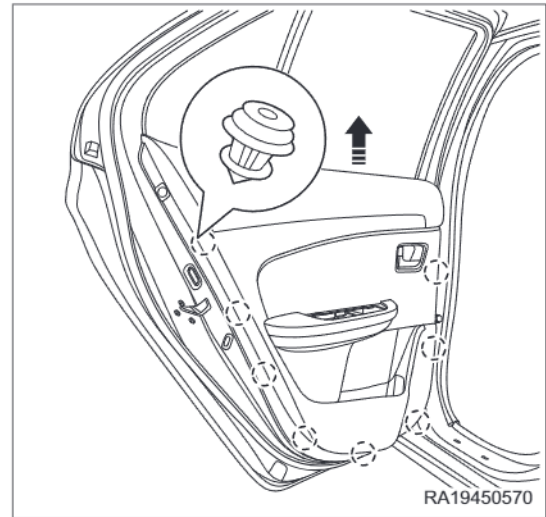


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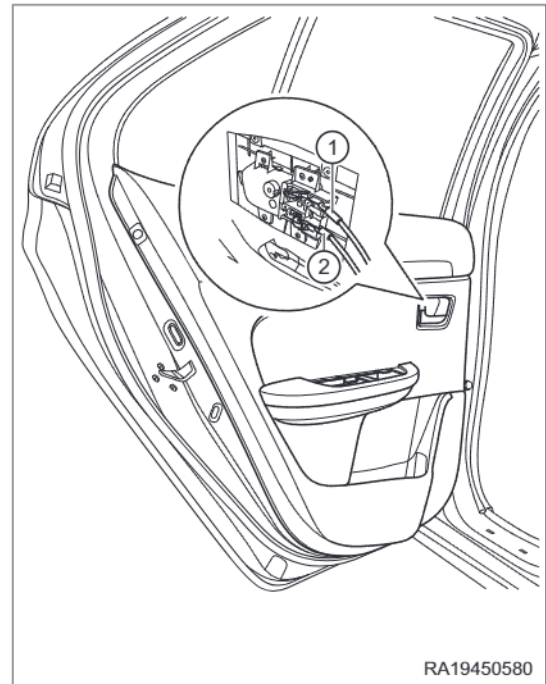
5. Remove the rear left door inner protector assembly.
 - a. Remove the plastic clip (arrow) from the rear door inner protector assembly.



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

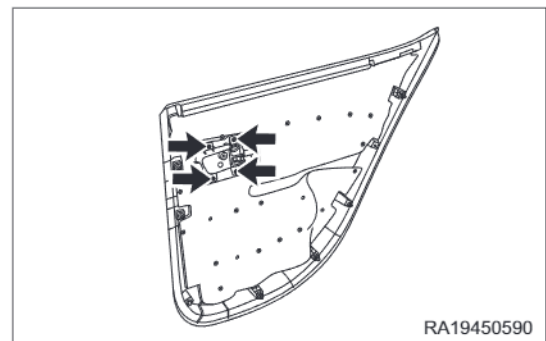


- c. Disconnect the rear door lock cable (1) and rear door inside open cable (2).



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- d. Remove the rear left door inner protector assembly.
6. Remove the rear door inside handle assembly.
- a. Remove 4 fixing screws (arrow) from the rear door inside handle assembly.
(Tightening torque: 1.5 ± 0.5 N·m)



- b. Remove the rear door inside handle assembly from the rear door inner protector assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

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

Rear Door Assembly

Removal

HINT:

- Use the same procedures for the right side and left side.
- The procedures listed below are for the left side.

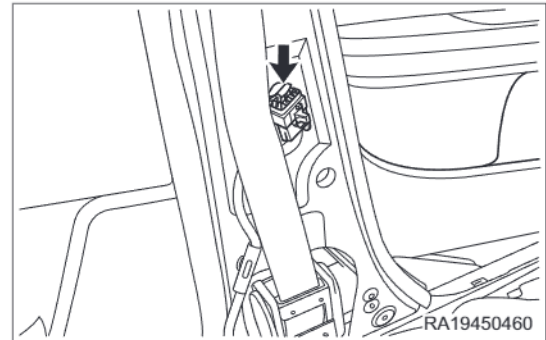
WARNING

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

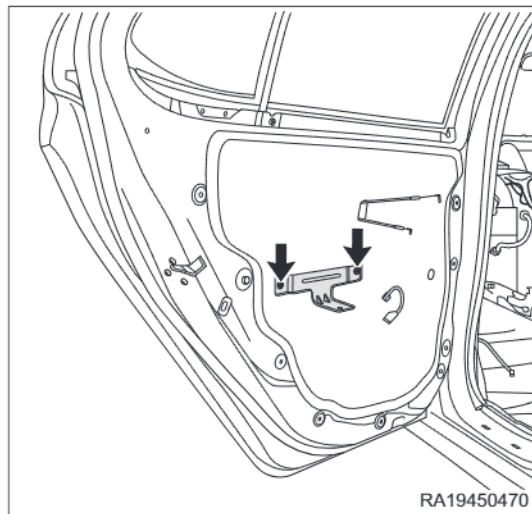
CAUTION

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

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the B-pillar lower protector assembly ([See page 47-13](#)).
4. Disconnect the rear left door connector (arrow).



5. Remove the rear left door inner protector assembly (See page 45-34).
6. Remove the rear left door protector bracket.
 - a. Remove 2 fixing screws (arrow) from the rear door protector bracket.
(Tightening torque: 1.5 ± 0.5 N·m)

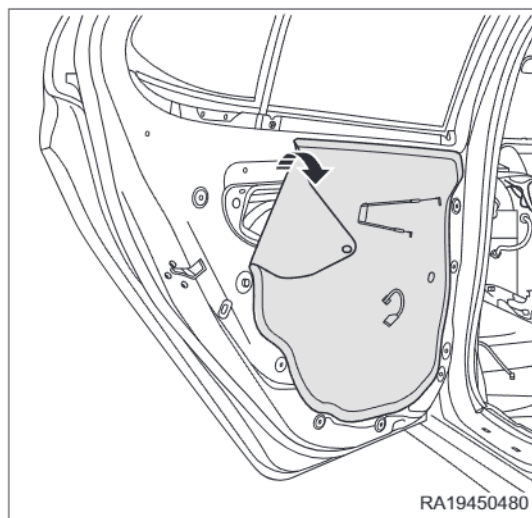


- b. Remove the rear door protector bracket.
7. Remove the rear left door protective film assembly.

CAUTION

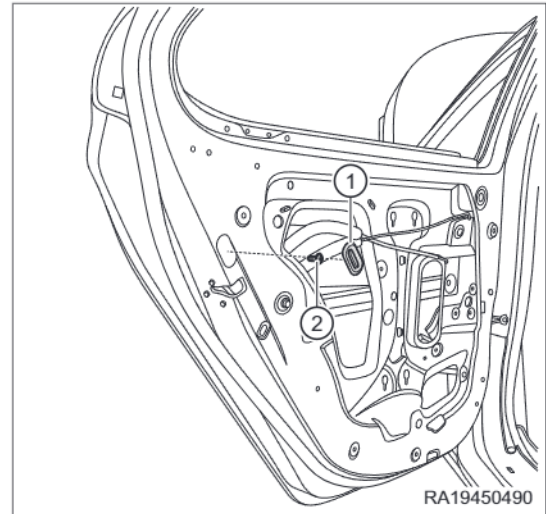
- Avoid damage to the rear door protective film when removing the rear door protective film assembly.
- Place the rear door protective film assembly properly after removal, and avoid the adhesive sticker on the rear door protective film assembly from sticking to other components.

- a. Remove the rear left door protective film assembly by gently pulling it along edges from one corner of the rear left door protective film assembly.



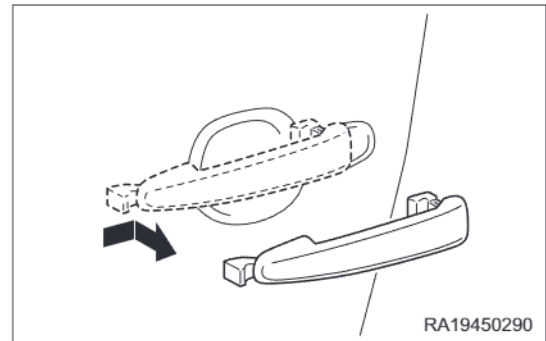
8. Remove the protective cover without key cylinder from the rear left door.

- a. Using a screwdriver wrapped with protective tape, remove the trim plug of protective cover without key cylinder from the rear left door.
- b. Remove the fixing screw (2) from the protective cover without key cylinder, and remove the protective cover without key cylinder.
(Tightening torque: $7 \pm 0.5 \text{ N}\cdot\text{m}$)



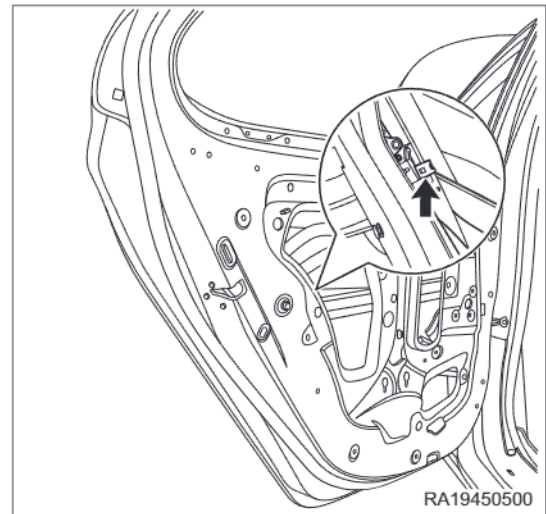
9. Remove the rear left door outside handle.

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

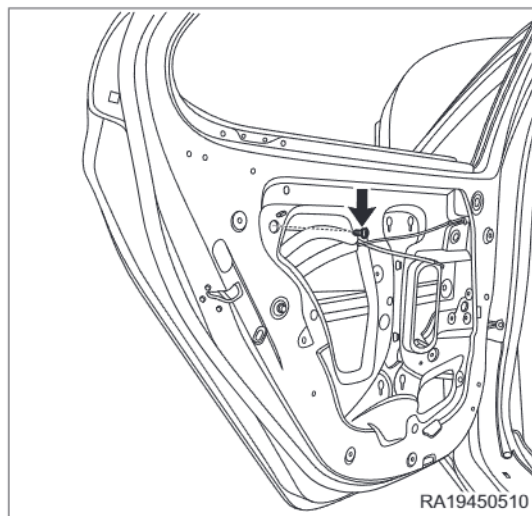


10. Remove the rear left door outside handle base.

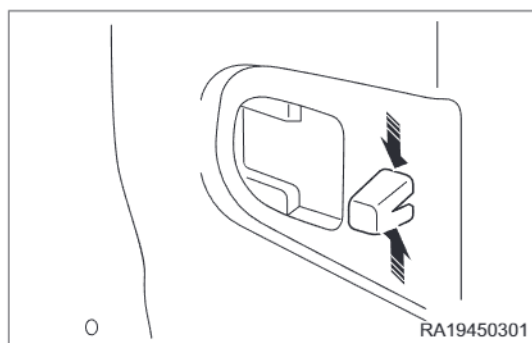
- a. Disengage the clip (arrow) from the rear door outside handle base lever.



- b. Remove the fixing screw (arrow) from the rear door outside handle base assembly.
(Tightening torque: $7 \pm 0.5 \text{ N}\cdot\text{m}$)



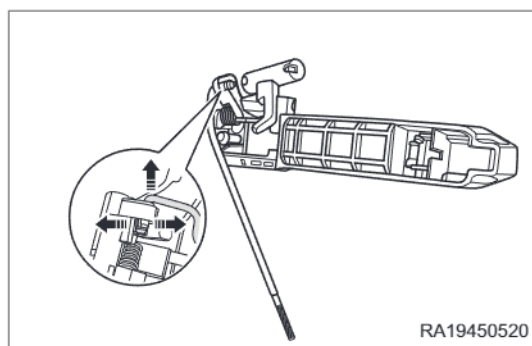
- c. Using the pliers, hold the clip and remove it together with the rear door outside handle base assembly.



CAUTION

- Make sure to remove the clip together with outside handle frame. If the clip is still secured to the door panel, it may be damaged.

- d. Separate the outside handle base lever and the rear door outside handle base in the direction of arrow as shown in the illustration.

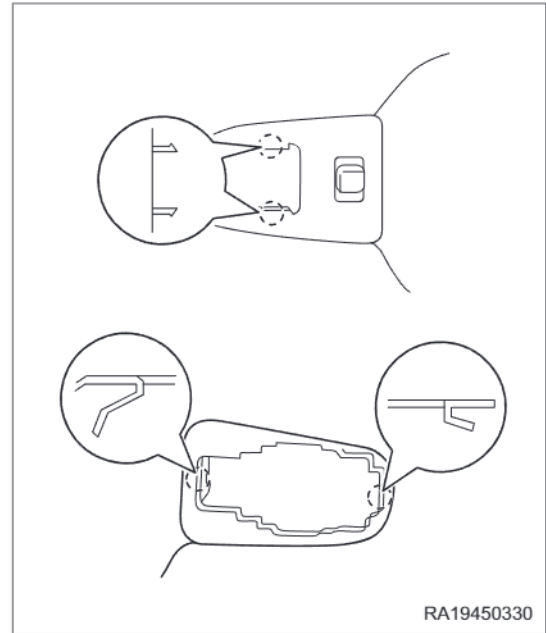


11. Remove the outside handle gasket.

- a. Disengage the claw from the outside handle gasket, and remove the outside handle gasket.

12. Remove the outside handle rear end gasket.

- a. Disengage the claw from the outside handle rear end gasket, and remove the outside handle rear end gasket.



13. Remove the rear left door glass assembly (See page 41-59).

14. Remove the rear left door glass rear guide rail assembly (See page 41-62).

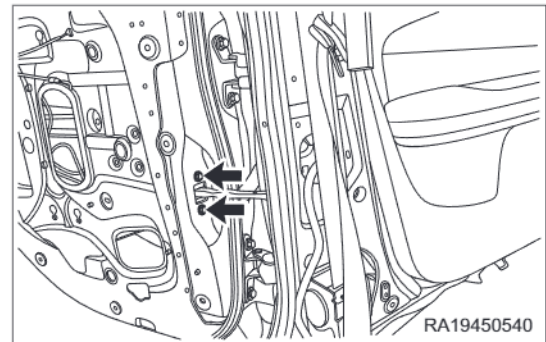
15. Remove the triangular window glass assembly (See page 41-60).

16. Remove the rear left door power glass regulator assembly (See page 41-63).

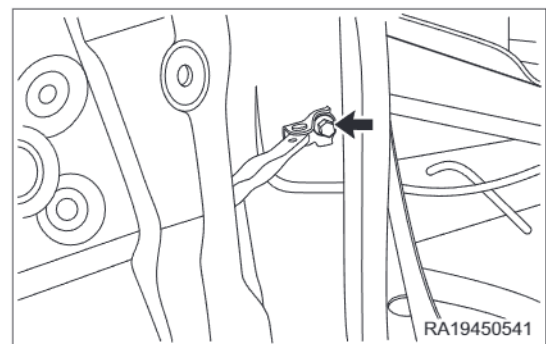
17. Remove the rear left door lock assembly (See page 35-47).

18. Remove the rear left door check assembly.

- a. Remove 2 fixing bolts (arrow) between rear door check assembly and door.
(Tightening torque: $10 \pm 2 \text{ N}\cdot\text{m}$)



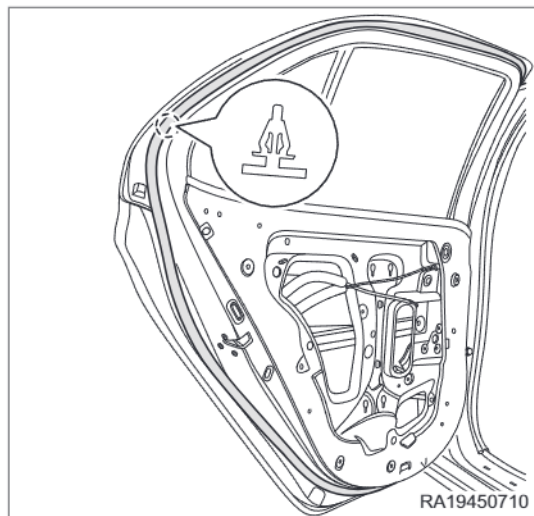
- b. Remove the fixing bolt (arrow) between rear door check assembly and body.
(Tightening torque: $22 \pm 3.5 \text{ N}\cdot\text{m}$)



- c. Remove the rear left door check assembly.

19. Remove the rear left door frame weatherstrip.

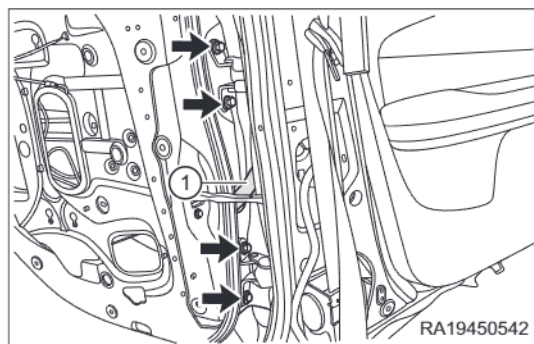
- a. Remove the clip from the rear door frame weatherstrip.



- b. Remove the rear left door frame weatherstrip.

20. Remove the rear left door assembly.

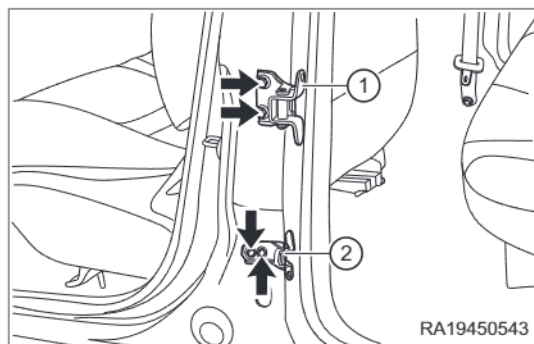
- a. Using a screwdriver wrapped with protective tape, pry off the rear door dust boot (1).
- b. Remove 4 fixing bolts (arrow) between rear door hinge assembly and door. (Tightening torque: 32 ± 3 N·m)



- c. Remove the rear left door assembly.

21. Remove the rear left door hinge assembly.

- a. Remove 4 fixing bolts (arrow) between rear door hinge assembly and body. (Tightening torque: 32 ± 3 N·m)
- b. Remove the rear door upper hinge assembly (1) and rear door lower hinge assembly (2).



Installation

Installation is in the reverse order of removal.

WARNING

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

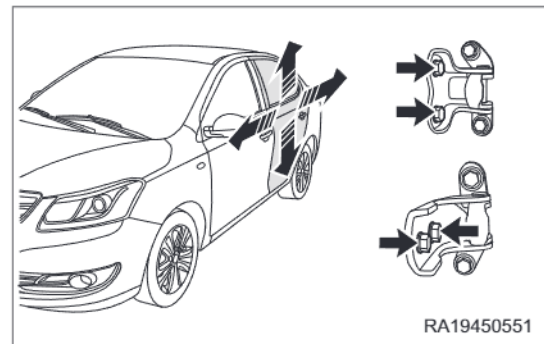
CAUTION

- Replace the damaged clips and install the rear door protector in place when installing the rear door protector.
- Stick the protective film in specified position, not in a wrong position or a asymmetric position between the left and right sides or covering the holes of other installation parts.
- DO NOT drag the protective film when assembling it. Assemble it in its original condition and ensure that the sheet metal is clean before assembly.
- The finished protective film should have no defects, such as wrinkles, bubbles or turnups.
- The finished protective film should have powerful adherence.
- The protective film sticking should be finished at one time. Avoid repeat sticking.

Adjustment

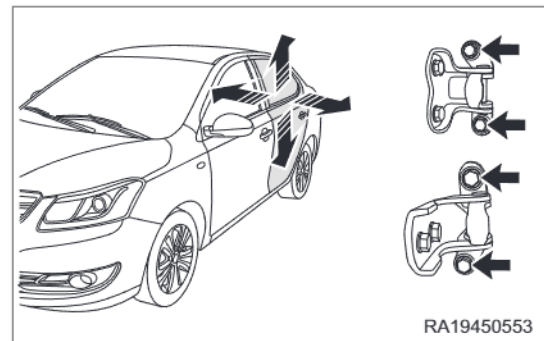
1. Adjust the rear left door assembly.

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



- Tighten the fixing bolts on the rear door hinge assemblies to the specified torque after adjustment.
(Tightening torque: 32 ± 3 N·m)

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



- d. Tighten the fixing bolts on the rear door hinge assemblies to the specified torque after adjustment.
(Tightening torque: $32 \pm 3 \text{ N}\cdot\text{m}$)
- e. The standard ranges of clearance between the installation positions of the rear door assembly and each part are as follows:

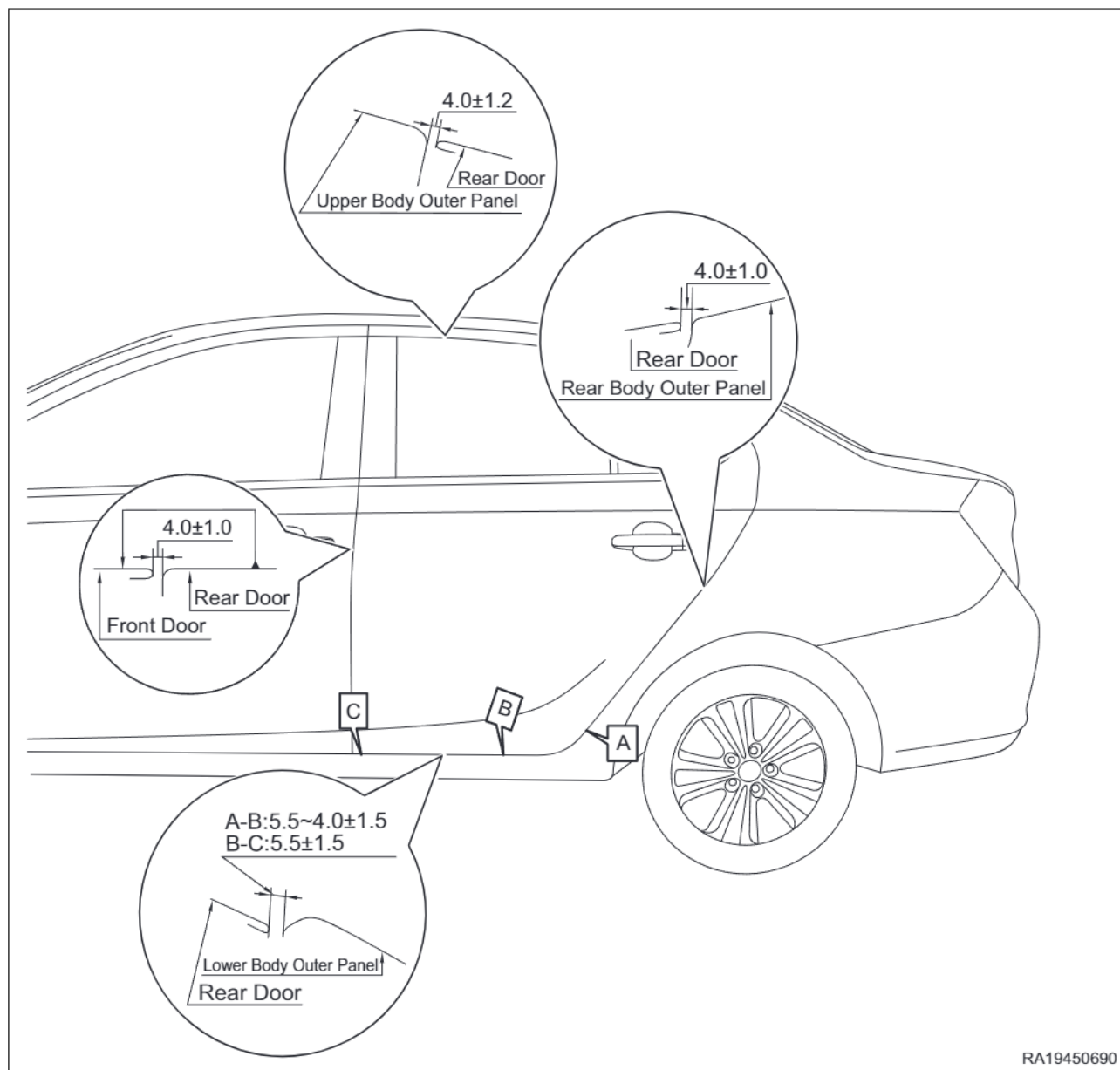
Clearance between rear door assembly and front door assembly: $4.0 \pm 1.0 \text{ mm}$.

Clearance between rear door assembly and upper body outer panel: $4.0 \pm 1.2 \text{ mm}$.

Clearance between rear door assembly and rear body outer panel: $4.0 \pm 1.0 \text{ mm}$.

Clearance A-B between rear door assembly and lower body outer panel: $5.5 - 4.0 \pm 1.5 \text{ mm}$.

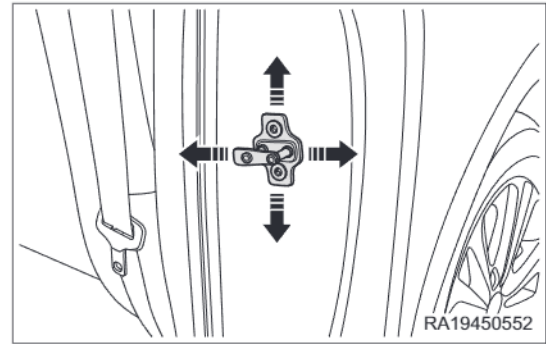
Clearance B-C between rear door assembly and lower body outer panel: $5.5 \pm 1.5 \text{ mm}$.



RA19450690

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

2. Adjust the rear left door lock striker.
 - a. Slightly loosen the fixing screws on the rear door lock striker and tap it with a plastic hammer in the direction of arrow as shown in the illustration to adjust the striker position.



- b. Tighten the fixing screws on the rear door lock striker to the specified torque after adjustment.
(Tightening torque: $20 \pm 2 \text{ N}\cdot\text{m}$)

Inspection

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

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

Luggage Compartment Door Assembly

Removal

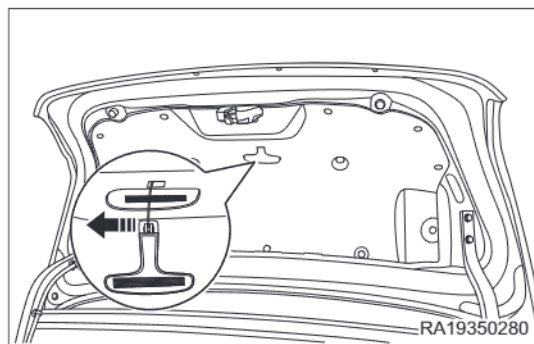
⚠ WARNING

- When removing the luggage compartment door assembly, an assistant is needed to hold the luggage compartment door.
- Prevent the luggage compartment door from dropping or sudden closing to cause accidents during operation.

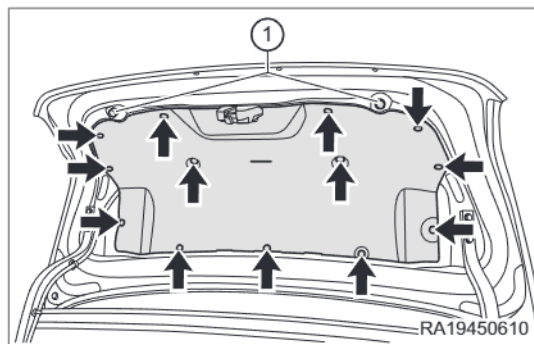
👁 CAUTION

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

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the luggage compartment door opener handle.
 - a. Loosen the luggage compartment door opener handle on the luggage compartment door protector assembly.
 - b. Disconnect the luggage compartment door opener handle cable in the direction of arrow as shown in the illustration.

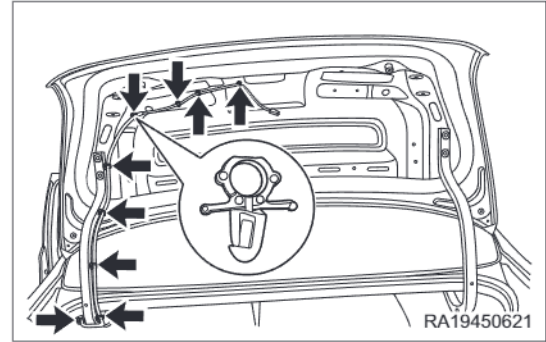


- c. Remove the luggage compartment door opener handle.
4. Remove the luggage compartment door protector assembly.
 - a. Remove the clips (arrow) from the luggage compartment door protector assembly, and remove the luggage compartment door protector assembly.
 - b. Turn the luggage compartment upper adjustment blocks counterclockwise, and remove the luggage compartment adjustment blocks (1).

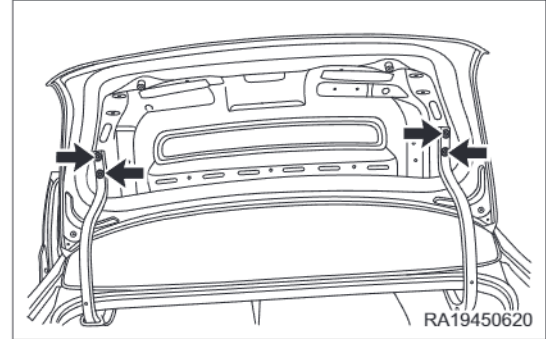


5. Remove the luggage compartment lock assembly ([See page 35-51](#)).

6. Remove the luggage compartment door assembly.
- Using a screwdriver wrapped with protective tape, pry off the clips (arrow) from the luggage compartment door.



- Remove 4 fixing bolts (arrow) from the luggage compartment door assembly.
(Tightening torque: $10 \pm 1.5 \text{ N}\cdot\text{m}$)



- Remove the luggage compartment door assembly.

Installation

Installation is in the reverse order of removal.

⚠ WARNING

- When installing the luggage compartment door assembly, an assistant is needed to hold the luggage compartment door.
- Prevent the luggage compartment door from dropping or sudden closing to cause accidents during operation.

👁 CAUTION

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

Adjustment

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

The standard ranges of clearance between the installation positions of luggage compartment door assembly and each part are as follows:

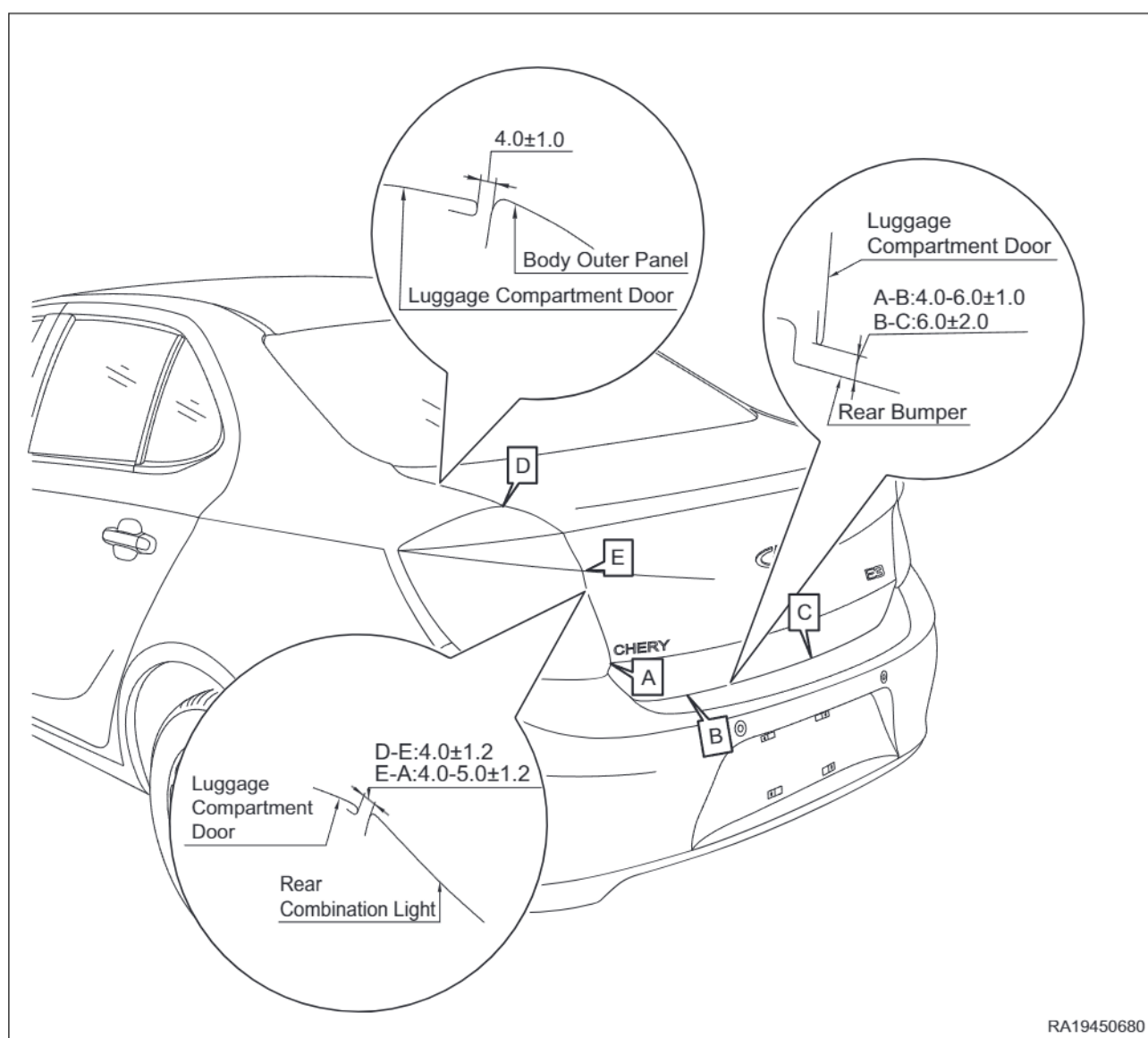
Clearance between luggage compartment door assembly and body outer panel: 4.0 ± 1.0 mm.

Clearance A-B between luggage compartment door assembly and rear bumper assembly:
 $4.0 - 6.0 \pm 1.0$ mm.

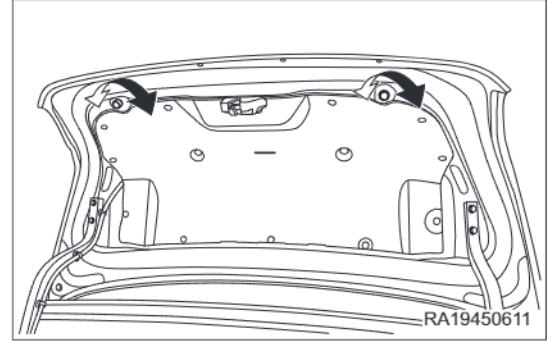
Clearance B-C between luggage compartment door assembly and rear bumper assembly:
 6.0 ± 2.0 mm.

Clearance D-E between luggage compartment door assembly and rear combination light:
 4.0 ± 1.2 mm.

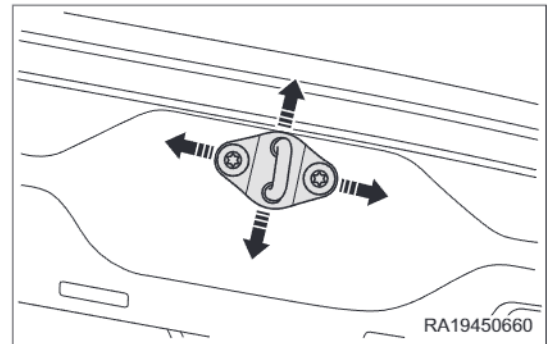
Clearance E-A between luggage compartment door assembly and rear combination light assembly:
 $4.0 - 5.0 \pm 1.2$ mm.



- c. After adjustment, tighten the fixing bolts between luggage compartment door hinge assembly and luggage compartment door assembly to the specified torque.
(Tightening torque: 32 ± 3 N·m)
 - d. After adjustment, tighten the fixing bolts between luggage compartment door hinge assembly and body to the specified torque.
(Tightening torque: 32 ± 3 N·m)
2. Adjust the height of luggage compartment door with the luggage compartment adjustment block.
- a. Raise or lower the luggage compartment door by rotating the luggage compartment adjustment blocks clockwise or counterclockwise.



3. Adjust the luggage compartment lock cylinder.
- a. Slightly loosen the fixing screws on the luggage compartment lock cylinder and tap it with a plastic hammer in the direction of arrow as shown in the illustration to adjust the luggage compartment lock cylinder position.



- b. Tighten the fixing screws on the luggage compartment lock cylinder to the specified torque after adjustment.
(Tightening torque: 12 ± 2 N·m)

Inspection

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

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

Luggage Compartment Door Hinge Assembly

Removal

HINT:

- Use the same procedures for the right side and left side.
- The procedures listed below are for the left side.

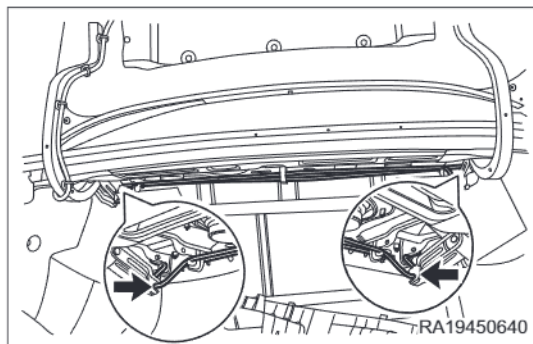
WARNING

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

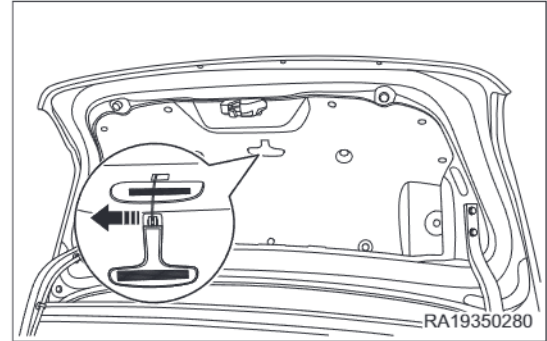
CAUTION

- Make sure to wear safety equipment to prevent accidents when removing the luggage compartment door hinge assembly.
- Try to prevent the body paint surface from being scratched when removing the luggage compartment door hinge assembly.

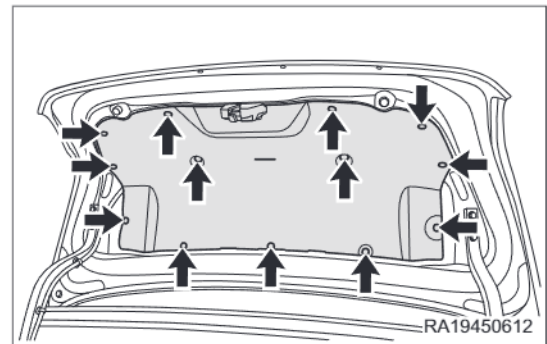
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the tonneau cover assembly ([See page 47-34](#)).
4. Remove the luggage compartment door hinge left/right torsion bar.
 - a. Remove the luggage compartment door hinge left/right torsion bar from the slots (arrow).



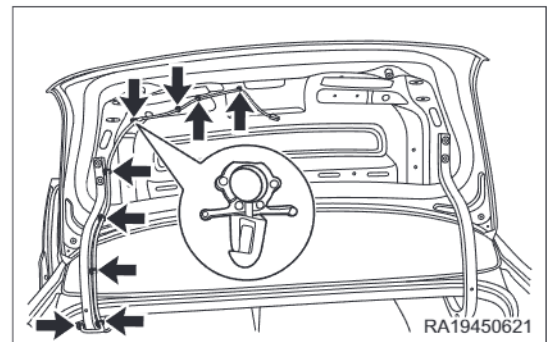
5. Remove the luggage compartment door opener handle.
 - a. Loosen the luggage compartment door opener handle on the luggage compartment door protector assembly.
 - b. Disconnect the luggage compartment door opener handle cable in the direction of arrow as shown in the illustration.



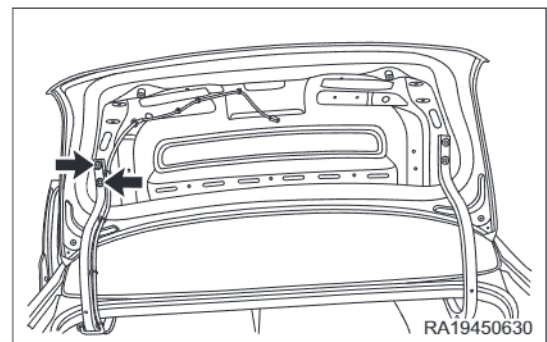
- c. Remove the luggage compartment door opener handle.
6. Remove the luggage compartment door protector assembly.
 - a. Remove the clips (arrow) from the luggage compartment door protector assembly, and remove the luggage compartment door protector assembly.



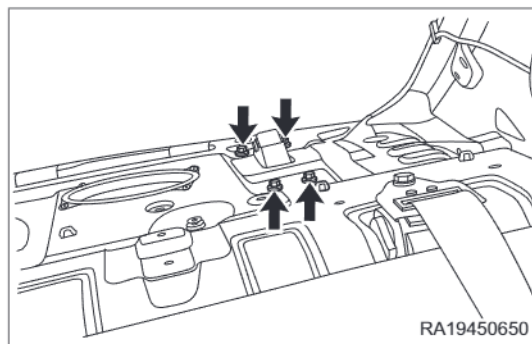
7. Remove the left luggage compartment door hinge assembly.
 - a. Using a screwdriver wrapped with protective tape, pry up the clips (arrow) on the luggage compartment door hinge assembly.



- b. Remove 2 fixing bolts (arrow) between luggage compartment door hinge assembly and luggage compartment door assembly.
(Tightening torque: $10 \pm 1.5 \text{ N}\cdot\text{m}$)



- c. Remove 4 fixing bolts (arrow) between luggage compartment door hinge assembly and body.
(Tightening torque: $10 \pm 1.5 \text{ N}\cdot\text{m}$)



- d. Remove the luggage compartment door hinge assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

- After installing the luggage compartment door hinge assembly, it is necessary to adjust the luggage compartment door.
- Try to prevent the body paint surface from being scratched when installing the luggage compartment door hinge assembly.
- When installing the hood hinge assembly, prevent the hood from dropping to damage the body or glass during operation.

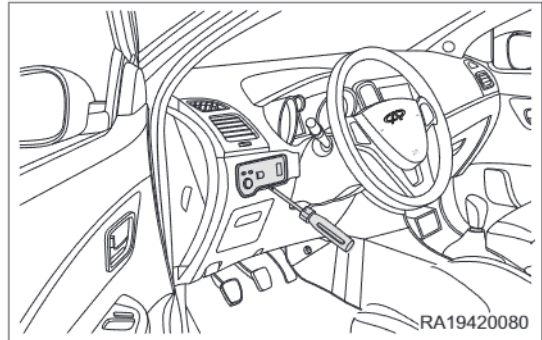
Luggage Compartment Door Opener Switch Assembly

Removal

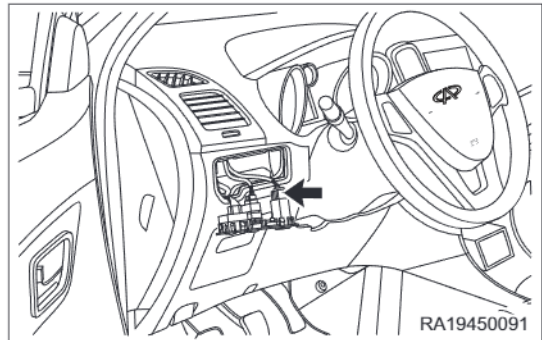
CAUTION

- DO NOT scratch the interior when removing the luggage compartment door opener switch assembly.

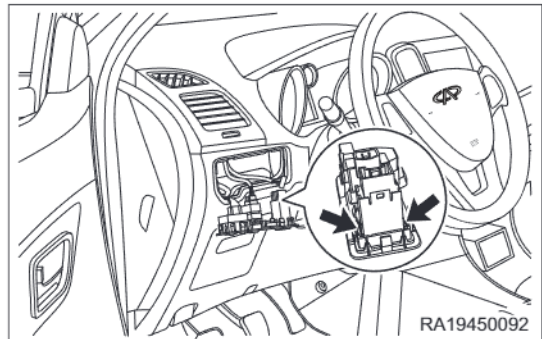
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the luggage compartment door opener switch assembly.
 - a. Using a screwdriver wrapped with protective tape, pry off the headlight adjustment switch set.



- b. Disconnect the luggage compartment door opener switch connector (arrow).



- c. Using a screwdriver wrapped with protective tape, disengage the claws (arrow) on the luggage compartment door opener switch assembly.



- d. Remove the luggage compartment door opener switch assembly.

Inspection

1. Check the luggage compartment door opener switch assembly.

- a. Using the digital multimeter, measure the continuity between each terminal of the luggage compartment door opener switch assembly as shown in the table.

Multimeter Connection	Switch Condition	Specified Condition
1 - 2	Switch not pushed	No continuity
1 - 2	Switch pushed	Continuity

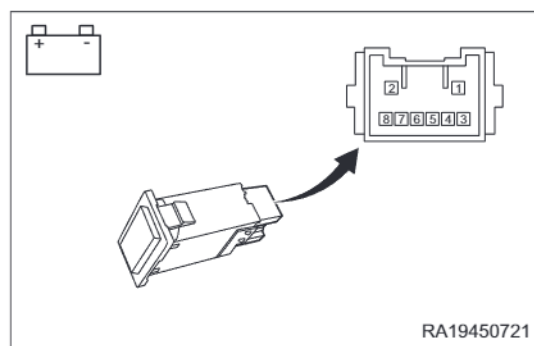
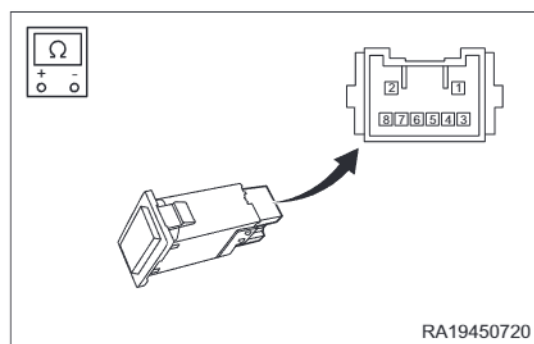
If the result is not as specified, replace the luggage compartment door opener switch assembly.

2. Check the luggage compartment door opener switch illumination.

- a. Apply battery voltage to the terminals of luggage compartment door opener switch connector, and check the operation of luggage compartment door opener switch according to the table below.

Measurement Condition		Specified Condition
Battery positive (+)	Battery negative (-)	
3	4	LED comes on

If the result is not as specified, replace the luggage compartment door opener switch assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

45

- Install the connector in place when installing the luggage compartment door opener switch assembly.
- Always operate carefully to prevent other components from being damaged when installing the luggage compartment door opener switch assembly.
- Check that the switch can be used normally after installing the luggage compartment door opener switch assembly.

