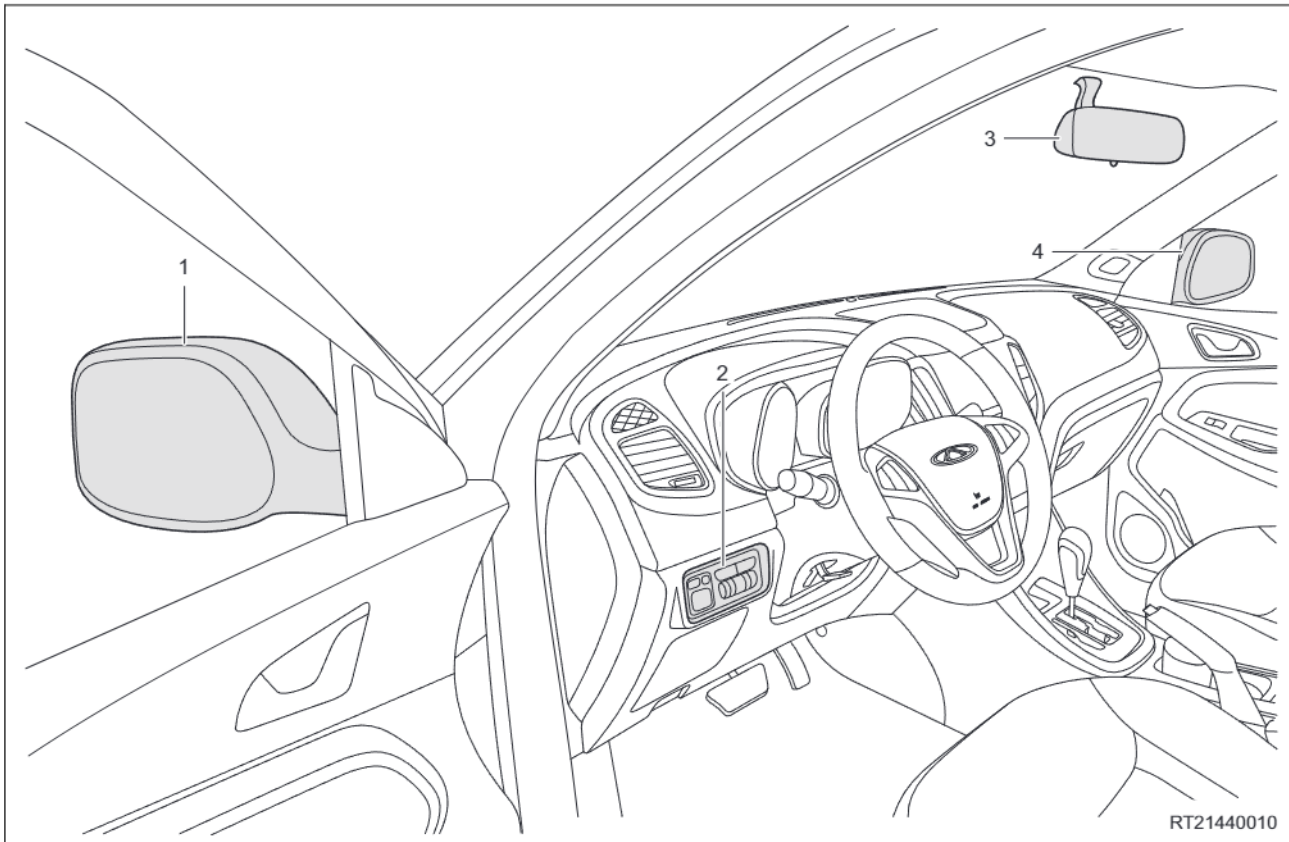

REAR VIEW MIRROR

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GENERAL INFORMATION

Description



1 - Left Outside Rear View Mirror Assembly	2 - Outside Rear View Mirror Adjustment Switch Assembly
3 - Inside Rear View Mirror Assembly	4 - Right Outside Rear View Mirror Assembly

44

This vehicle is equipped with power outside rear view mirror and inside rear view mirror.

Power outside rear view mirror: driver can control the rotation of motor by operating outside rear view mirror adjustment switch in vehicle, thus adjusting mirror surface to achieve a required visual angle.

Power outside rear view mirror adjustment switch is located on the instrument panel lower left protector assembly. With ignition switch ON, press power outside rear view mirror adjustment switch "L" or "R" to select the left or right outside rear view mirror that you want to adjust, and then press the rear view mirror up or down and left or right button to achieve a required visual angle.

It is necessary to adjust inside rear view mirror manually to desired direction. When driving at night, rear view mirror angle can be adjusted by pulling back the glare-resistant rod to reduce glare.

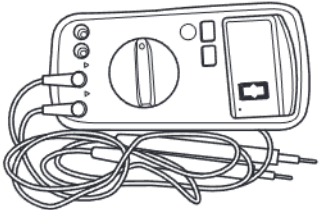
Specifications

Torque Specifications

Description	Torque (N·m)
Outside Rear View Mirror Assembly Fixing Bolt	6 ± 1
Inside Rear View Mirror Assembly Fixing Screw	1.5 ± 0.5

Tool

General Tool

Digital Multimeter	 RCH0000002
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Power Rear View Mirror Control System



DIAGNOSIS & TESTING

Problem Symptoms Table

HINT:

Use the table below to help determine the cause of the problem symptoms. Check each suspected area in sequence. Repair or replace the faulty components, or adjust them as necessary.

Symptom	Suspected Area	See page
Outside rear view mirror cannot operate	Fuse	51-36
	Outside rear view mirror adjustment switch assembly	44-12
	Outside rear view mirror assembly	44-7
	Wire harness or connector	-
Outside rear view mirror intermittent malfunction	Ground	51-29
	Wire harness or connector	-

Repair & Inspection Items

Visual inspection can reduce unnecessary test and diagnostic time, so pay attention to inspection of the following items:

1. Check if fuse is damaged.
2. Check if wire harnesses and connectors related to rear view mirror are worn, pierced, pinched or partially broken.
3. Check wire harnesses and connectors related to rear view mirror for break, bend, protrusion or corroded terminals.
4. Check if terminal contact pins of connectors related to rear view mirror are in good condition.

ON-VEHICLE SERVICE

Outside Rear View Mirror Assembly

Removal

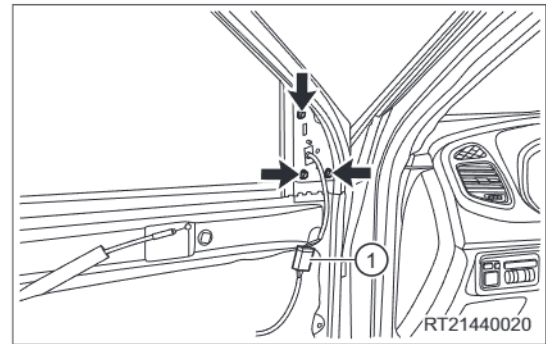
HINT:

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

CAUTION

- Make sure to wear safety equipment to prevent accidents when removing rear view mirror assembly.
- Operate carefully to prevent damage to the components when removing outside rear view mirror assembly.
- Prevent the interior and body paint from being scratched when removing outside rear view mirror assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the front left door protector assembly ([See page 47-23](#)).
4. Remove the left outside rear view mirror assembly.
 - a. Disconnect the outside rear view mirror connector (1).
 - b. Remove 3 fixing bolts (arrow) from outside rear view mirror assembly.
(Tightening torque: $6 \pm 1 \text{ N}\cdot\text{m}$)

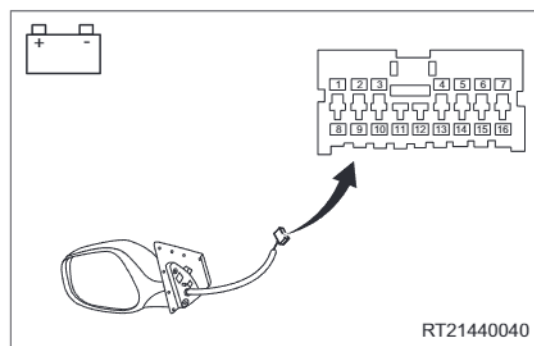


- c. Remove the left outside rear view mirror assembly.

Inspection

1. Inspect the left outside rear view mirror assembly.
 - a. Apply battery voltage to the terminals of outside rear view mirror assembly connector and check the operation of outside rear view mirror according to the table below.

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 3 Battery negative (-) → Terminal 2	UP
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 3	DOWN
Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 2	LEFT
Battery positive (+) → Terminal 2 Battery negative (-) → Terminal 1	RIGHT



If result is not as specified, replace the left outside rear view mirror assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

- When installing outside rear view mirror assembly, install connector in place and tighten fixing bolts to the specified torque.
- Make sure outside rear view mirror assembly can move smoothly after installation.

Outside Rear View Mirror Housing Assembly

Removal

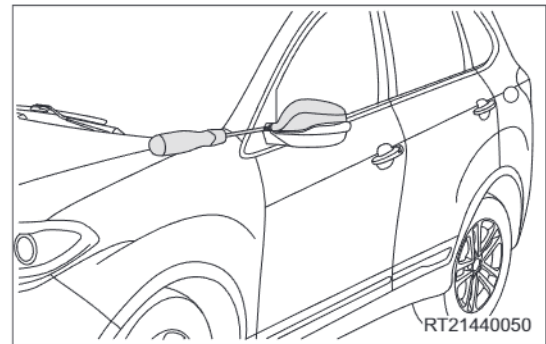
HINT:

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

CAUTION

- Avoid breaking the claw when removing outside rear view mirror housing assembly.
- Avoid damaging lens due to dropping when removing outside rear view mirror housing assembly.
- Try to prevent body paint surface from being scratched when removing outside rear view mirror housing assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the left outside rear view mirror housing assembly.
 - a. Using a screwdriver wrapped with protective tape, remove the clip from outside rear view mirror housing assembly, and remove the left outside rear view mirror housing assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Make sure to install outside rear view mirror housing assembly in place.

Outside Rear View Mirror Lens Assembly

Removal

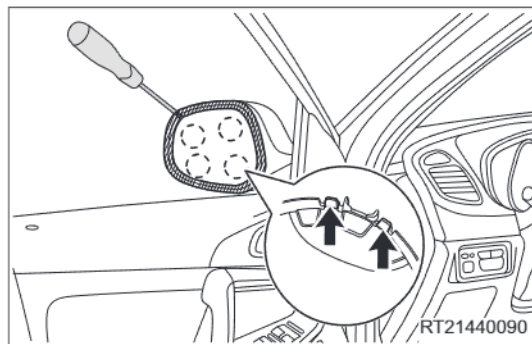
HINT:

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

CAUTION

- Avoid breaking the claws when removing outside rear view mirror lens assembly.
- Avoid damaging lens due to dropping when removing outside rear view mirror lens assembly.
- Try to prevent body paint surface from being scratched when removing outside rear view mirror lens assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the left outside rear view mirror lens assembly.
 - a. Press the outside rear view mirror surface to tilt it.
 - b. Apply protective tape around the outside rear view mirror frame.
 - c. Using a screwdriver wrapped with protective tape, pry up the claws (arrow) of outside rear view mirror lens assembly.



- d. Remove the left outside rear view mirror lens assembly.

Installation

Installation is in the reverse order of removal.

CAUTION

- Make sure the lens can move smoothly after installing outside rear view mirror lens assembly.

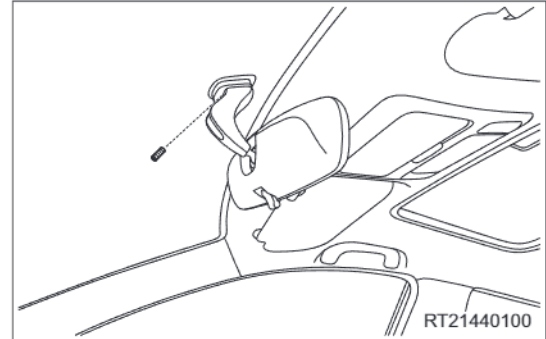
Inside Rear View Mirror Assembly

Removal

CAUTION

- Appropriate force should be applied when removing inside rear view mirror assembly, and operate carefully.
- Avoid scratching front windshield assembly when removing inside rear view mirror assembly.

1. Remove the inside rear view mirror assembly.
 - a. Remove the fixing screw from inside rear view mirror.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



- b. Remove the inside rear view mirror assembly in the direction of arrow as shown in the illustration.



Installation

Installation is in the reverse order of removal.

CAUTION

- Make sure the inside rear view mirror assembly can move smoothly after installation.

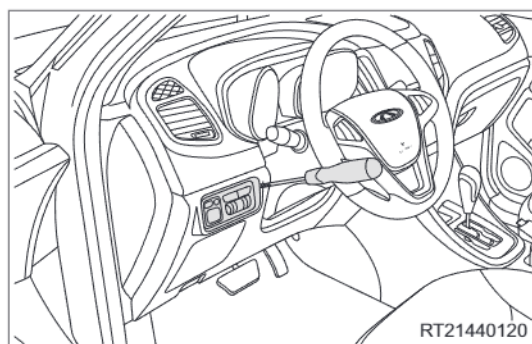
Rear View Mirror Adjustment Switch Assembly

Removal

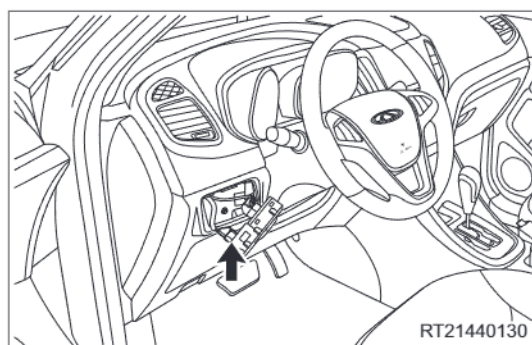
CAUTION

- Make sure to wear safety equipment to prevent accidents when removing rear view mirror adjustment switch assembly.
- Prevent instrument panel lower left protector assembly from being scratched when removing rear view mirror adjustment switch assembly.

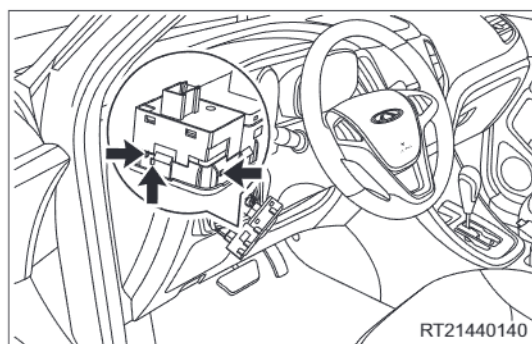
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the rear view mirror adjustment switch assembly.
 - a. Using a screwdriver wrapped with protective tape, pry out the headlight adjustment switch unit panel.



- b. Disconnect the rear view mirror adjustment switch connector (arrow).



- c. Using a screwdriver wrapped with protective tape, detach the claws (arrow) of rear view mirror adjustment switch assembly.



- d. Remove the rear view mirror adjustment switch assembly.

Inspection

Check the outside rear view mirror adjustment switch assembly.

- Adjust the rear view mirror adjustment switch assembly to "L" position.
- Using a multimeter, check for continuity between terminals of rear view mirror adjustment switch assembly according to the table below.

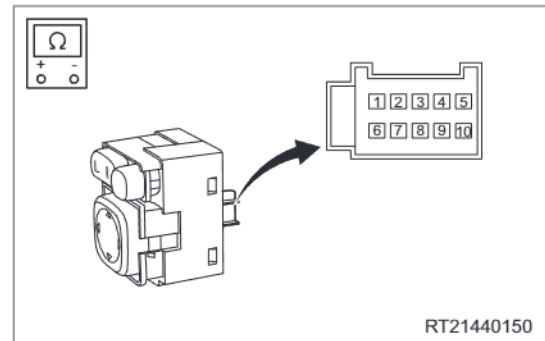
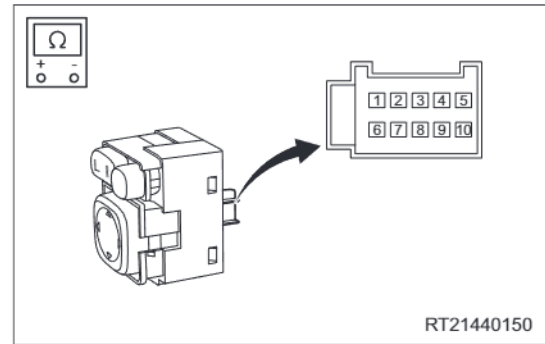
Multimeter Connection	Switch Condition	Specified Condition
Terminal 3 - 7 Terminal 4 - 5	UP	Continuity
	OFF	No continuity
Terminal 3 - 5 Terminal 4 - 7	DOWN	Continuity
	OFF	No continuity
Terminal 3 - 6 Terminal 4 - 5	LEFT	Continuity
	OFF	No continuity
Terminal 3 - 5 Terminal 4 - 6	RIGHT	Continuity
	OFF	No continuity

If result is not as specified, replace rear view mirror adjustment switch assembly.

- Adjust the rear view mirror adjustment switch assembly to "R" position.
- Using a multimeter, check for continuity between terminals of rear view mirror adjustment switch assembly according to the table below.

Multimeter Connection	Switch Condition	Specified Condition
Terminal 3 - 8 Terminal 4 - 5	UP	Continuity
	OFF	No continuity
Terminal 3 - 5 Terminal 4 - 8	DOWN	Continuity
	OFF	No continuity
Terminal 3 - 9 Terminal 4 - 5	LEFT	Continuity
	OFF	No continuity
Terminal 3 - 5 Terminal 4 - 9	RIGHT	Continuity
	OFF	No continuity

If result is not as specified, replace rear view mirror adjustment switch assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Always operate carefully to prevent components from being damaged when installing the rear view mirror adjustment switch assembly.
- Install each connector in place when installing rear view mirror adjustment switch assembly.
- Check that switch can operate normally after installing rear view mirror adjustment switch assembly.

