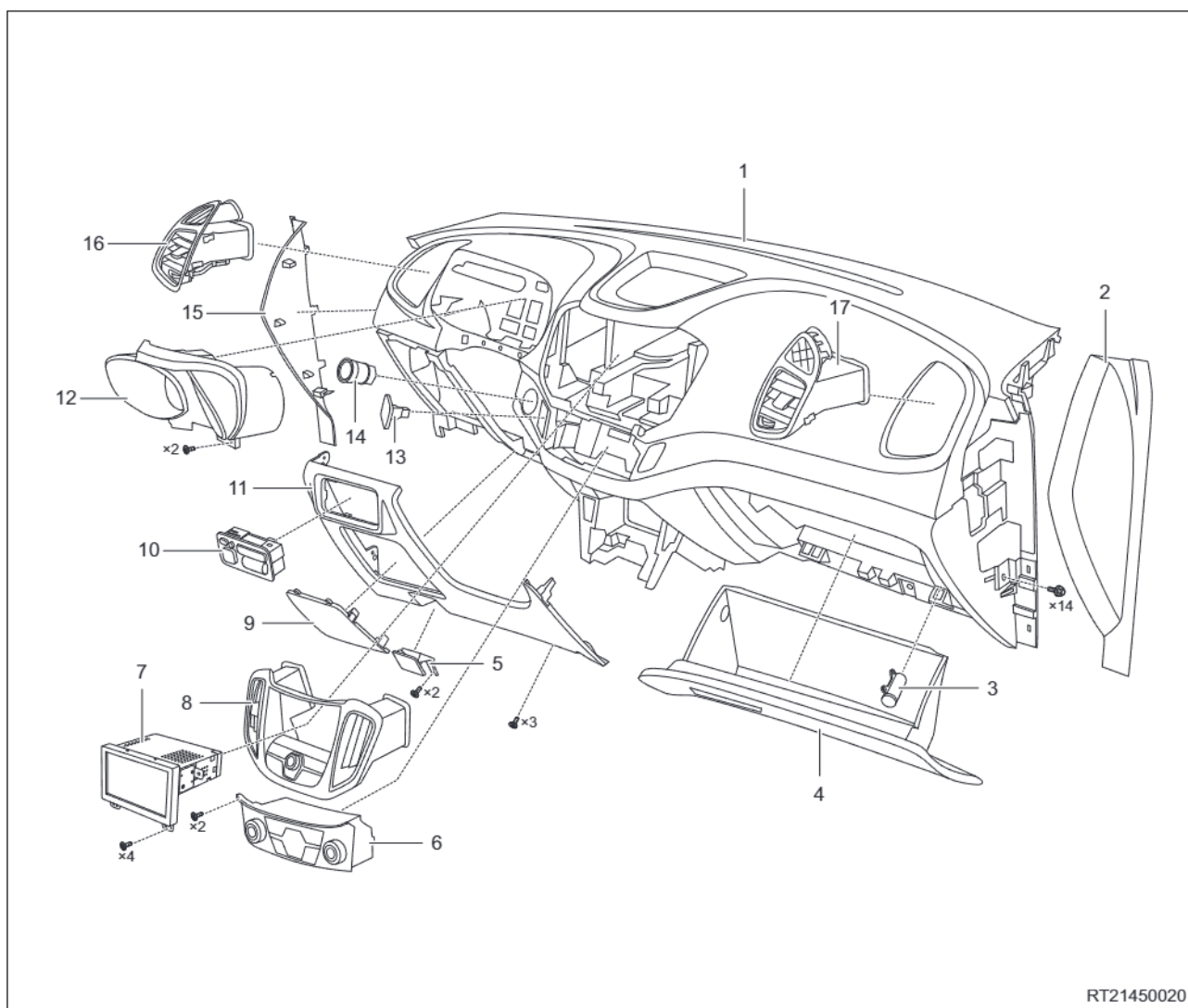

INSTRUMENT PANEL

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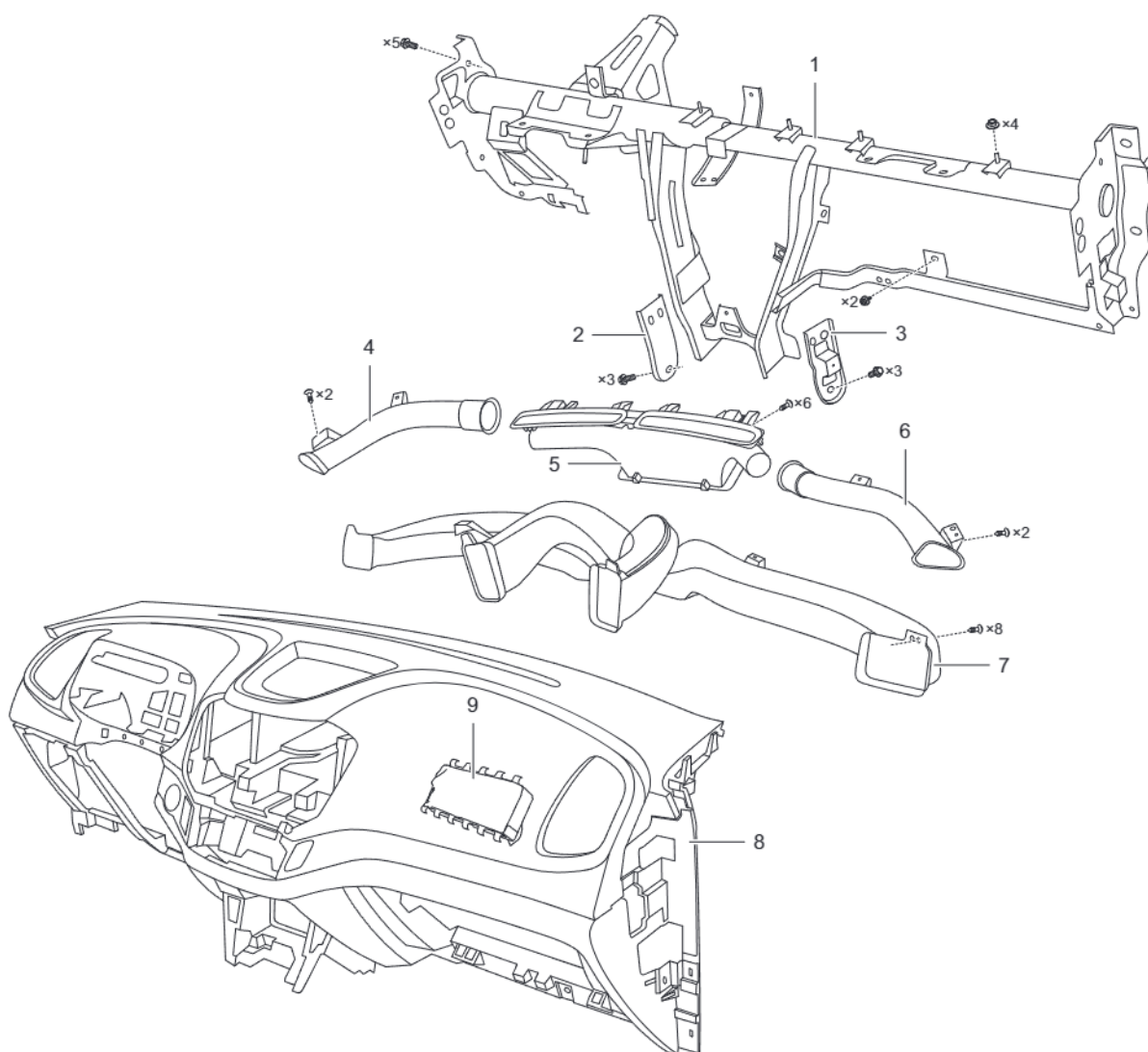
1 - Shift Knob	2 - Auxiliary Fascia Console Front Trim Ring
3 - Gearshift Cover Plate Assembly	4 - Auxiliary Fascia Console Front Inner Protector Assembly
5 - Front Storage Box	6 - Auxiliary Fascia Console Front Left Protector
7 - Auxiliary Fascia Console Front Right Protector	8 - Auxiliary Fascia Console Assembly
9 - Auxiliary Fascia Console Rear Cover Plate Assembly	10 - Parking Brake Garnish
11 - Cup Holder Assembly	12 - Backup Power Supply Assembly
13 - Portable Ashtray Assembly	14 - Multifunctional Interface
15 - Cigarette Lighter Assembly	16 - USB Panel Assembly
17 - Hinge Shaft	18 - Armrest Box Assembly
19 - Armrest Inner Storage Box	20 - Armrest Box Cover Assembly

Instrument Panel Assembly



RT21450020

1 - Instrument Panel Assembly	2 - Instrument Panel Right End Panel Assembly
3 - Damper Assembly	4 - Glove Box Assembly
5 - Hood Grip Assembly	6 - A/C Control Panel Assembly
7 - No Disc DVD Assembly	8 - DVD Panel Assembly
9 - Fuse Box Cover	10 - Combination Light Adjust Switch Panel
11 - Instrument Panel Lower Left Protector Assembly	12 - Instrument Cluster
13 - Hazard Warning Light	14 - Engine Switch
15 - Instrument Panel Left End Panel Assembly	16 - Instrument Panel Left Outlet Assembly
17 - Instrument Panel Right Outlet Assembly	



RT21450030

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1 - Instrument Panel Crossmember Assembly	2 - Instrument Panel Crossmember Lower Left Bracket Assembly
3 - Instrument Panel Crossmember Lower Right Bracket Assembly	4 - Left Defroster Duct Assembly
5 - Center Defroster Duct Assembly	6 - Right Defroster Duct Assembly
7 - Face Air Duct Assembly	8 - Instrument Panel Assembly
9 - Front Passenger Airbag	

Instrument panel of this model consists of instrument panel assembly, auxiliary fascia console assembly and instrument panel crossmember system.

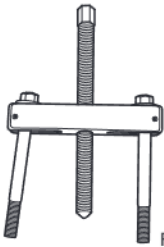
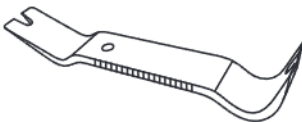
Specifications

Torque Specifications

Description	Torque (N·m)
Auxiliary Fascia Console Front Protector Fixing Bolt	5 ± 1
Auxiliary Fascia Console Assembly Fixing Screw	1.5 ± 0.5
Auxiliary Fascia Console Assembly Fixing Bolt	5 ± 1
Front Storage Box Fixing Screw	1.5 ± 0.5
Armrest Box Assembly Fixing Screw	1.5 ± 0.5
Auxiliary Fascia Console Rear Cover Plate Assembly Fixing Screw	1.5 ± 0.5
Cup Holder Assembly Fixing Screw	1.5 ± 0.5
Auxiliary Fascia Console Front Trim Ring Fixing Screw	1.5 ± 0.5
Gear Backlight Fixing Screw	1.5 ± 0.5
Instrument Panel Lower Left Protector Assembly Fixing Screw	2 ± 0.5
Front Passenger Airbag Assembly Fixing Bolt	10 ± 1
Instrument Panel Assembly Fixing Bolt	7 ± 1
Face Air Duct Assembly Fixing Screw	1.5 ± 0.5
Defroster Duct Assembly Fixing Screw	1.5 ± 0.5
Center Defroster Duct Assembly Fixing Screw	1.5 ± 0.5
Instrument Panel Right Outlet Assembly Fixing Screw	1.5 ± 0.5
Instrument Panel Fuse and Relay Box Fixing Bolt	7 ± 1
Connector Mounting Bracket Fixing Bolt	7 ± 1
Diagnostic Interface Fixing Screw	1.5
Smart Entry Start Controller Fixing Nut	7 ± 1
Instrument Panel Crossmember Lower Bracket Assembly	25 ± 3
Steering Column Assembly Fixing Nut	25 ± 3
Steering Column Assembly Fixing Bolt	25 ± 3
Blower Fixing Bolt	4 ± 1
Ground Wire Fixing Nut	15 ± 2
Instrument Panel Crossmember Assembly Fixing Bolt	25 ± 3
Instrument Panel Crossmember Assembly Fixing Nut	7 ± 1
Instrument Panel Crossmember Assembly Fixing Screw	7 ± 1
Instrument Panel Crossmember Bracket Assembly Fixing Bolt	25 ± 3

Tools

Special Tools

Steering Wheel Remover	 RCH0000014
Interior Crow Plate	 RCH0000025

ON-VEHICLE SERVICE

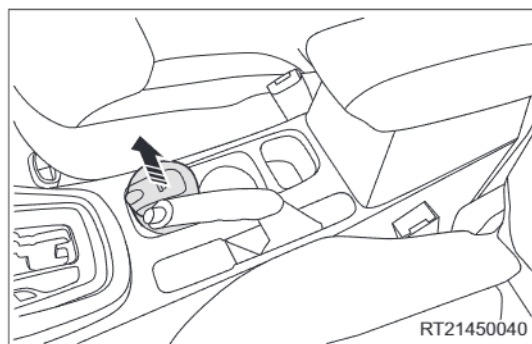
Auxiliary Fascia Console Assembly

Removal

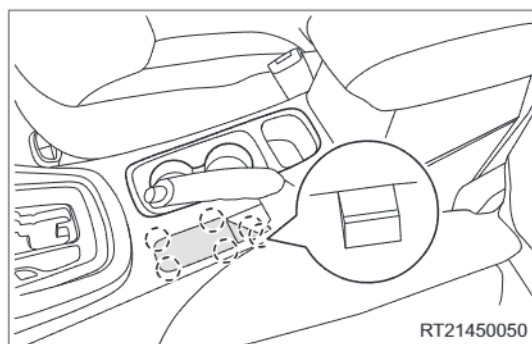
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing auxiliary fascia console assembly.
- Appropriate force should be applied when removing auxiliary fascia console assembly. Be careful not to operate roughly.
- DO NOT scratch interior and body paint when removing auxiliary fascia console assembly.

1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the portable ashtray assembly.
 - a. Remove the portable ashtray assembly in the direction of arrow as shown in the illustration.

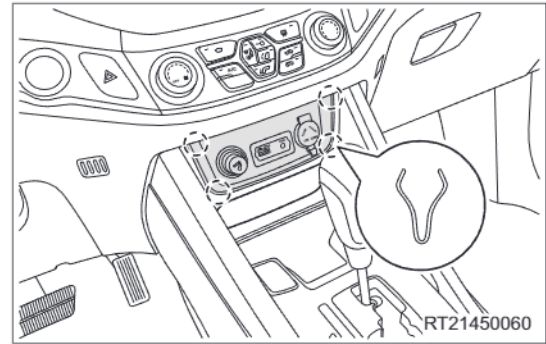


4. Remove the parking brake garnish.
 - a. Using a screwdriver wrapped with protective tape, pry up the claws on parking brake garnish, and remove the parking brake garnish.

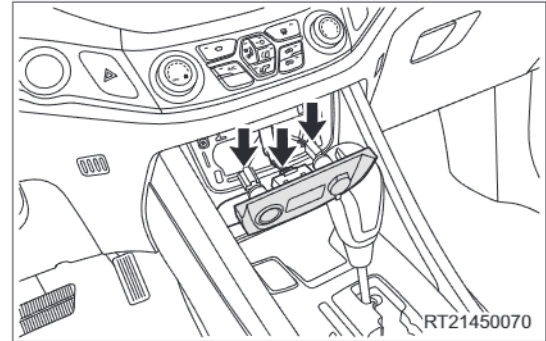


5. Remove the USB panel assembly.

- a. Using a screwdriver wrapped with protective tape, pry up the clips on USB panel assembly.

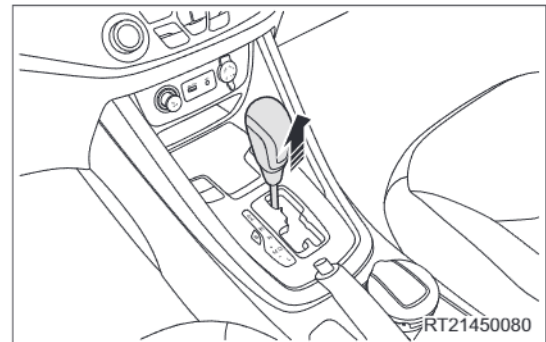


- b. Disconnect the connectors (arrow) from USB panel assembly, and remove the USB panel assembly.

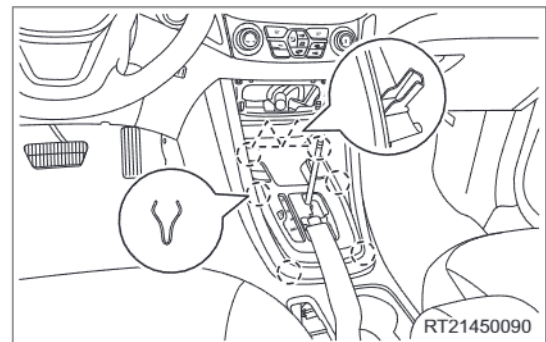


6. Remove the gearshift cover plate assembly (for CVT model).

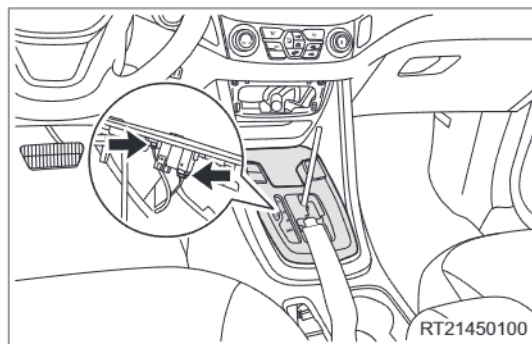
- a. Pull out the shift knob in the direction of arrow as shown in the illustration.



- b. Using a screwdriver wrapped with protective tape, pry up the clips on gearshift cover plate assembly.



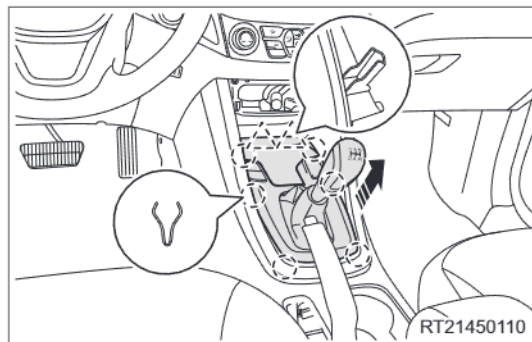
- c. Disconnect the connectors (arrow) from gearshift cover plate assembly, and remove the gearshift cover plate assembly.



RT21450100

7. Remove the gearshift cover plate assembly (for MT model).

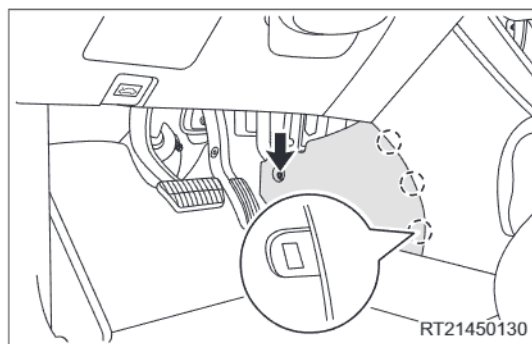
- a. Using a screwdriver wrapped with protective tape, pry up the clips on gearshift cover plate assembly.
- b. Pull out the gearshift cover plate assembly in the direction of arrow as shown in the illustration.



RT21450110

8. Remove the auxiliary fascia console front left protector (take left side as an example).

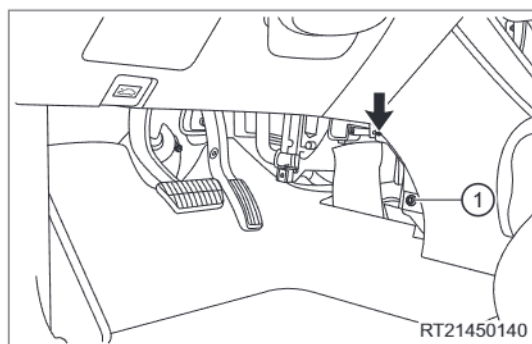
- a. Remove the fixing bolt (arrow) from auxiliary fascia console front left protector.
(Tightening torque: 5 ± 1 N·m)
- b. Using a screwdriver wrapped with protective tape, pry up the claws on auxiliary fascia console front left protector, and remove the auxiliary fascia console front left protector.



RT21450130

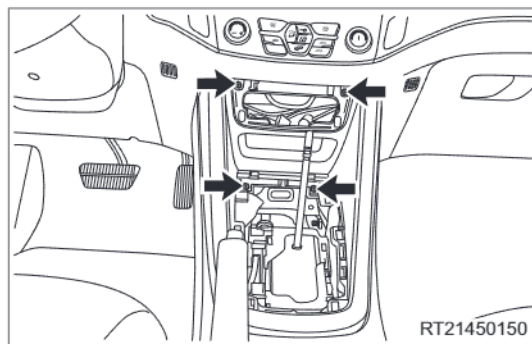
9. Remove the auxiliary fascia console assembly.

- a. Remove the fixing screw (arrow) from the side of auxiliary fascia console assembly (take left side as an example).
(Tightening torque: 1.5 ± 0.5 N·m)
- b. Remove the fixing bolt (1) from the side of auxiliary fascia console assembly (take left side as an example).
(Tightening torque: 5 ± 1 N·m)

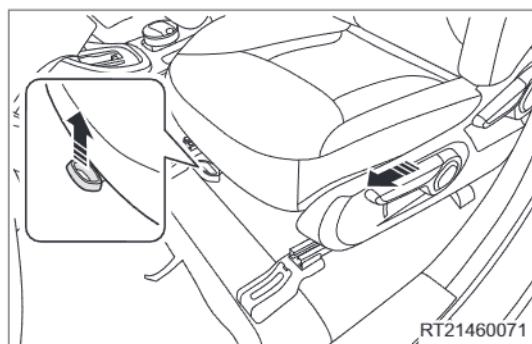


RT21450140

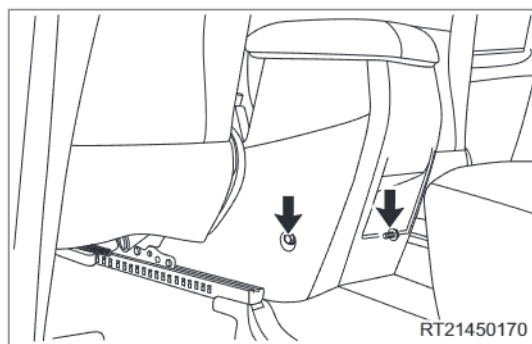
- c. Remove 4 fixing screws (arrow) from front part of auxiliary fascia console assembly.
(Tightening torque: 1.5 ± 0.5 N·m)



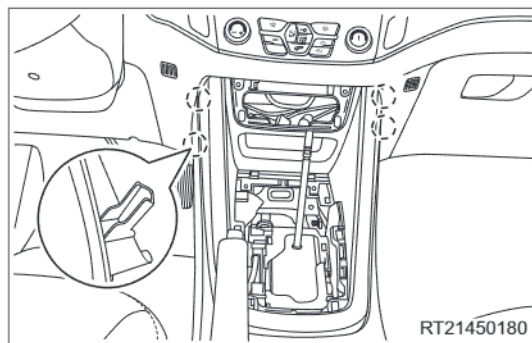
- d. Pull up the seat adjusting handle and move the front seat assembly to the foremost position.



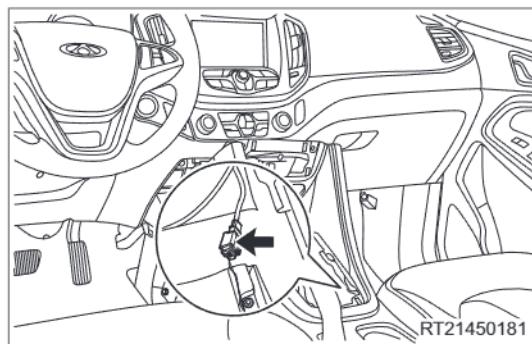
- e. Remove 2 fixing bolts (arrow) from rear part of auxiliary fascia console assembly.
(Tightening torque: 5 ± 1 N·m)



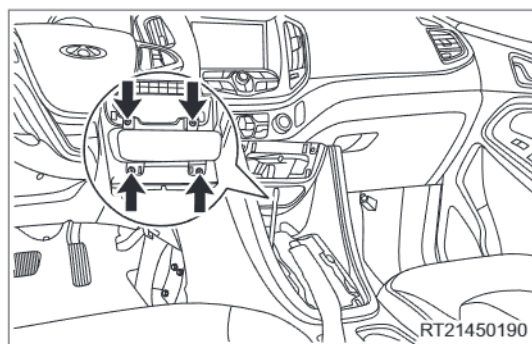
- f. Using an interior crow plate, pry up the dowel pins on the front part of auxiliary fascia console.



- g. Disconnect the anti-theft coil connector (arrow).



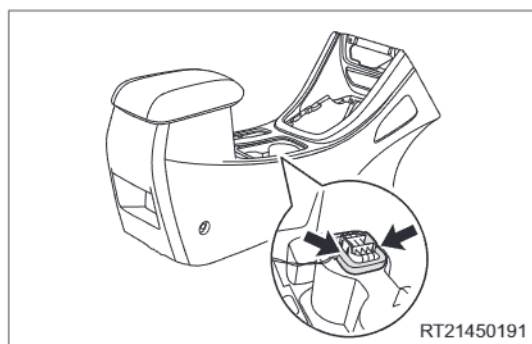
- h. Remove 4 fixing screws (arrow) from front storage box.
(Tightening torque: 1.5 ± 0.5 N·m)



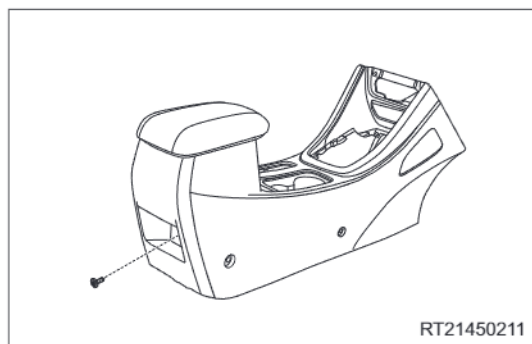
- i. Remove the auxiliary fascia console assembly.

Disassembly

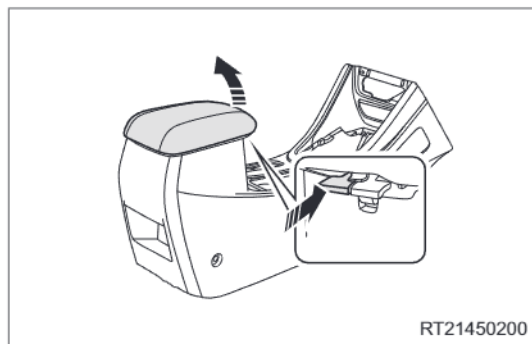
1. Remove the anti-theft coil (for CVT model).
 - a. Disengage the claws (arrow), and remove the anti-theft coil.



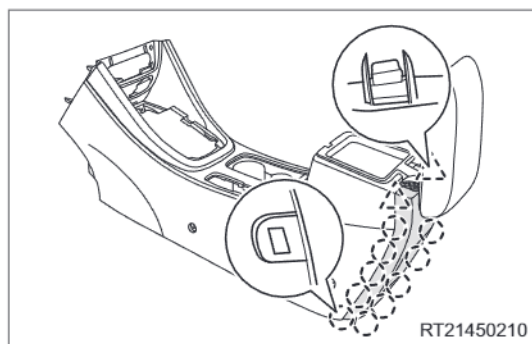
2. Remove the auxiliary fascia console rear cover plate assembly.
 - a. Remove the fixing screw from auxiliary fascia console rear cover plate assembly.
(Tightening torque: 1.5 ± 0.5 N·m)



- b. Open the armrest box cover assembly in the direction of arrow as shown in the illustration.

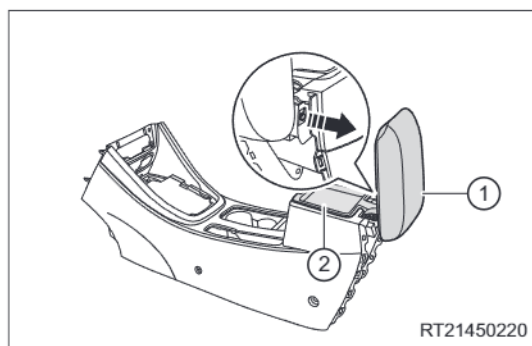


- c. Using a screwdriver wrapped with protective tape, pry up the claws on auxiliary fascia console rear cover plate assembly.
- d. Remove the auxiliary fascia console rear cover plate assembly from auxiliary fascia console assembly.



3. Remove the armrest box cover assembly and armrest inner storage box.

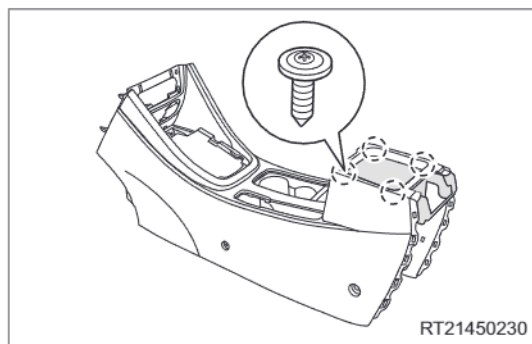
- a. Pull out the hinge shaft in the direction of arrow as shown in the illustration.
- b. Remove the armrest box cover assembly (1) and armrest inner storage box (2) from auxiliary fascia console assembly.



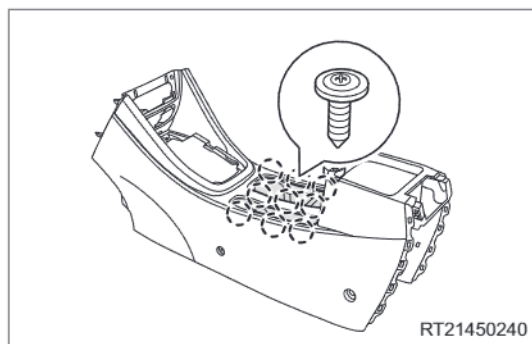
45

4. Remove the armrest box assembly.

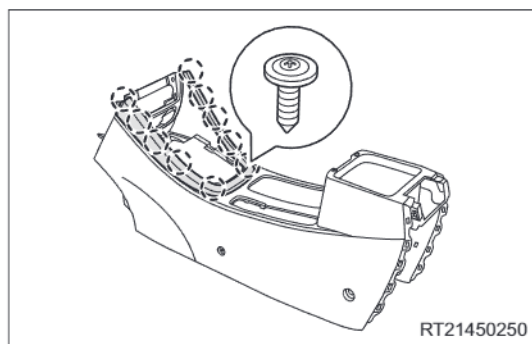
- a. Remove 4 fixing screws from armrest box assembly. (Tightening torque: 1.5 ± 0.5 N·m)
- b. Remove the armrest box assembly from auxiliary fascia console assembly.



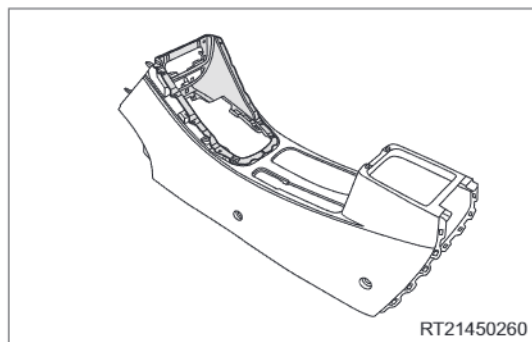
5. Remove the cup holder assembly.
 - a. Remove 9 fixing screws from cup holder assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the cup holder assembly from auxiliary fascia console assembly.



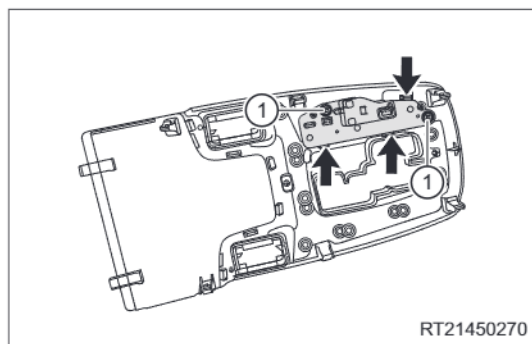
6. Remove the auxiliary fascia console front trim ring.
 - a. Remove 10 fixing screws from auxiliary fascia console front trim ring.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the auxiliary fascia console front trim ring from auxiliary fascia console assembly.



7. Remove the auxiliary fascia console front inner protector assembly.
 - a. Remove the auxiliary fascia console front inner protector assembly from auxiliary fascia console assembly.



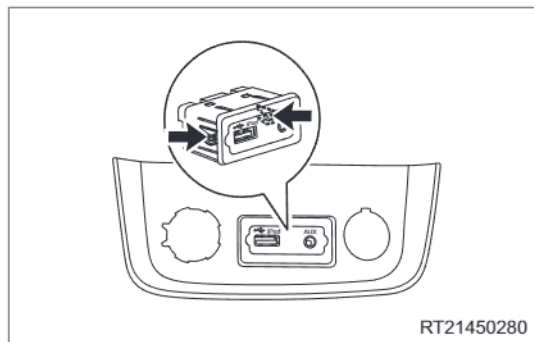
8. Remove the gear backlight.
 - a. Remove 2 fixing screws (1) from gear backlight.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Using a screwdriver wrapped with protective tape, disengage the claws (arrow).
 - c. Remove the gear backlight from gearshift cover plate.



9. Remove the cigarette lighter assembly ([See page 42-5](#)).
10. Remove the backup power supply assembly ([See page 42-7](#)).

11. Remove the multifunctional interface.

- Press the claws (arrow) on multifunctional interface as shown in the illustration.
- Remove the multifunctional interface from USB panel assembly.



Assembly

Assembly is in the reverse order of disassembly.

Installation

Installation is in the reverse order of removal.

CAUTION

- Make sure to tighten fixing bolts and fixing screws to the specified torque when installing auxiliary fascia console assembly.
- Check each electrical equipment for proper operation after installing auxiliary fascia console assembly.

Instrument Panel Assembly

Removal

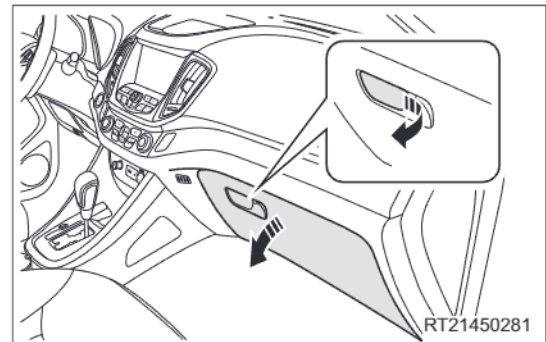
WARNING

- Wait at least 60 seconds after disconnecting negative battery cable to disable supplementary restraint system.
- When removing and installing instrument panel assembly, all components related to airbag should be operated with battery power source off. It is forbidden to operate them with power source on. Because within 60 seconds after vehicle stops or fuse removed, there is enough power inside the airbag control module for activating the airbag, and the airbag can be accidentally activated, causing personal injury or vehicle damage.
- DO NOT expose airbag components to hot air or flame.
- Removed airbag should be well kept. If triggered accidentally, the airbag may cause personal injury.

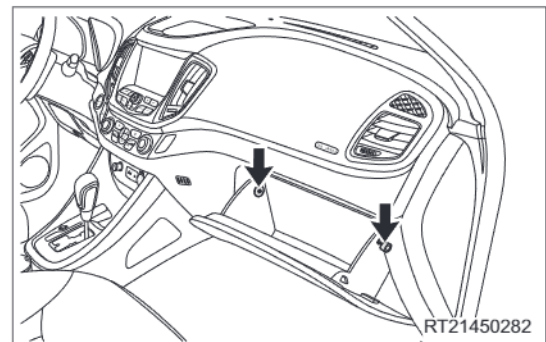
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing instrument panel assembly.
- DO NOT scratch interior and body paint when removing instrument panel assembly.

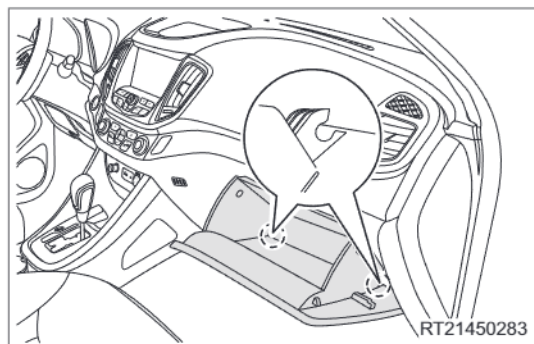
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the glove box assembly.
 - a. Open the glove box assembly in the direction of arrow as shown in the illustration.



- b. Rotate the lock knobs (arrow) clockwise, and remove the lock knobs.

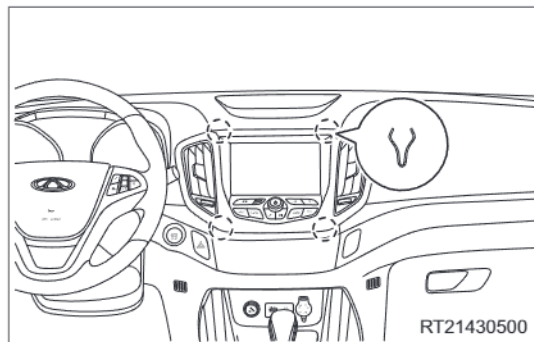


- c. Disengage the claws on the lower side of glove box assembly, and remove the glove box assembly.

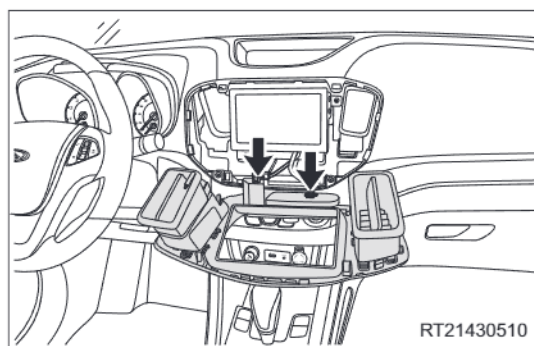


4. Remove the DVD panel assembly.

- a. Using a screwdriver wrapped with protective tape, pry up the clips on DVD panel assembly.

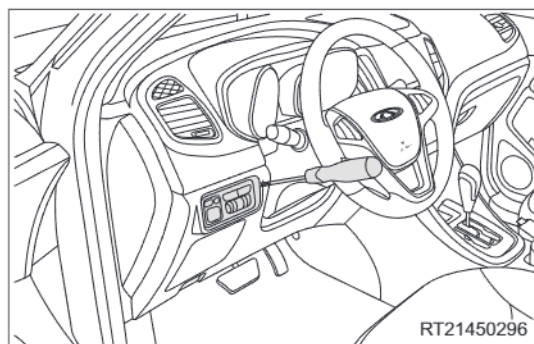


- b. Disconnect the connectors (arrow) from DVD panel assembly, and remove the DVD panel assembly.

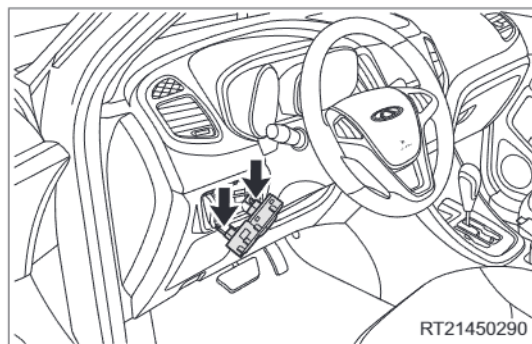


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5. Remove the no disc DVD assembly ([See page 39-12](#)).
6. Remove the A/C control panel assembly ([See page 31-70](#)).
7. Remove the combination light adjust switch panel.
 - a. Using a screwdriver wrapped with protective tape, pry out the combination light adjust switch panel.

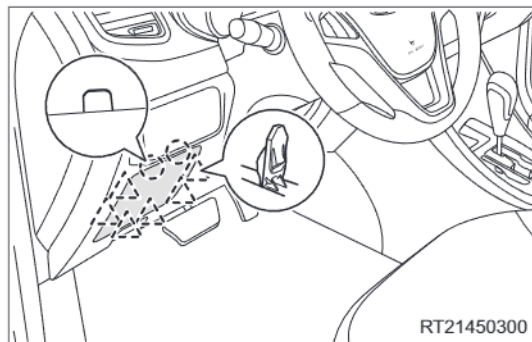


- b. Disconnect the connectors (arrow) from combination light adjust switch panel, and remove the combination light adjust switch panel.



8. Remove the fuse box cover.

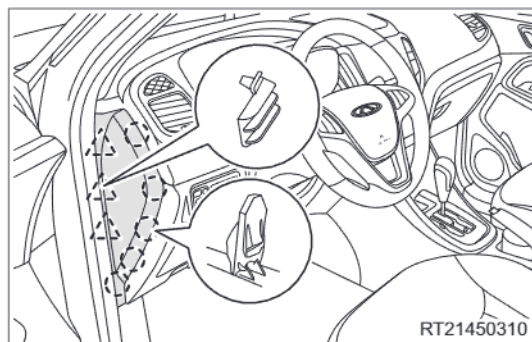
- a. Using a screwdriver wrapped with protective tape, pry up the claws on fuse box cover, and remove the fuse box cover.



9. Remove the front door opening weatherstrip ([See page 49-14](#)).

10. Remove the instrument panel left end panel assembly (take left side as an example).

- a. Using a screwdriver wrapped with protective tape, pry up the claws on instrument panel left end panel assembly, and remove the instrument panel left end panel assembly.



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11. Remove the auxiliary fascia console assembly ([See page 45-9](#)).

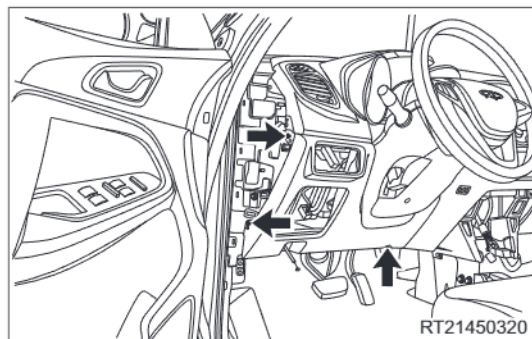
12. Remove the front doorsill pressure plate assembly ([See page 49-11](#)).

13. Remove the A-pillar lower protector assembly ([See page 49-19](#)).

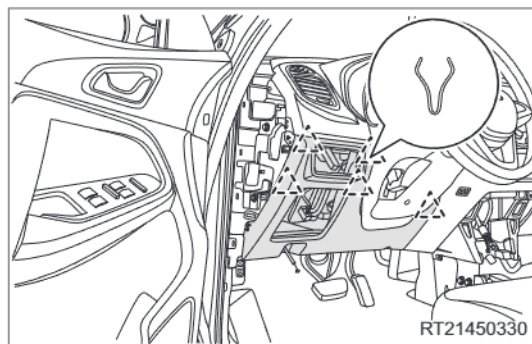
14. Remove the hood grip assembly ([See page 47-19](#)).

15. Remove the instrument panel lower left protector assembly.

- a. Remove 3 fixing screws (arrow) from instrument panel lower left protector assembly.
(Tightening torque: $2 \pm 0.5 \text{ N} \cdot \text{m}$)

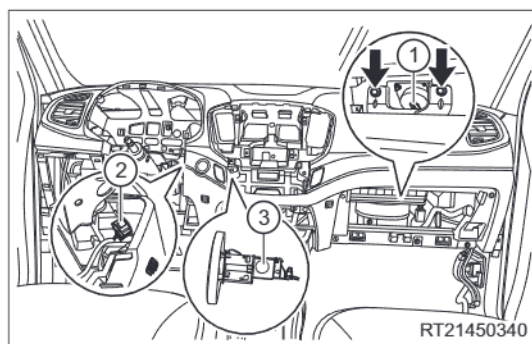


- b. Using an interior crow plate, pry up the clips on instrument panel lower left protector assembly, and remove the instrument panel lower left protector assembly.

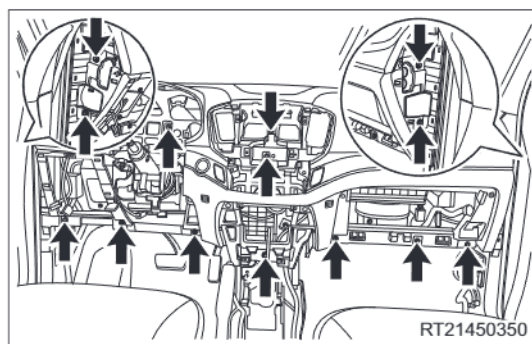


16. Remove the driver airbag (See page 32-64).
 17. Remove the combination switch cover (See page 28-13).
 18. Remove the steering wheel assembly (See page 28-10).
 19. Remove the spiral cable (See page 32-67).
 20. Remove the wiper switch assembly (See page 36-22).
 21. Remove the headlight, turn light and fog switch assembly (See page 35-64).
 22. Remove the instrument cluster (See page 38-42).
 23. Remove the A-pillar upper protector assembly (See page 49-17).
 24. Remove the instrument panel assembly.

- a. Disconnect the front passenger airbag connector (1).
 b. Remove 2 fixing bolts (arrow) from front passenger airbag assembly.
 (Tightening torque: 10 ± 1 N·m)
 c. Disconnect the engine switch connector (2).
 d. Disconnect the hazard warning light connector (3).



- e. Remove 14 fixing bolts (arrow) from instrument panel assembly, and remove the instrument panel assembly.
 (Tightening torque: 7 ± 1 N·m)

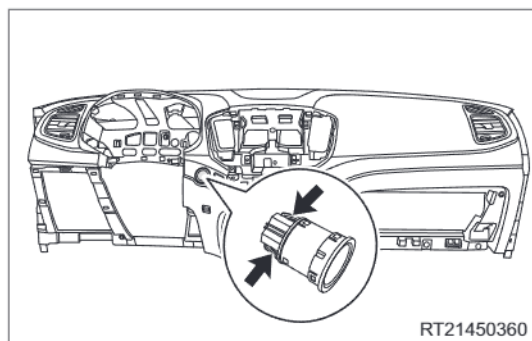


Disassembly

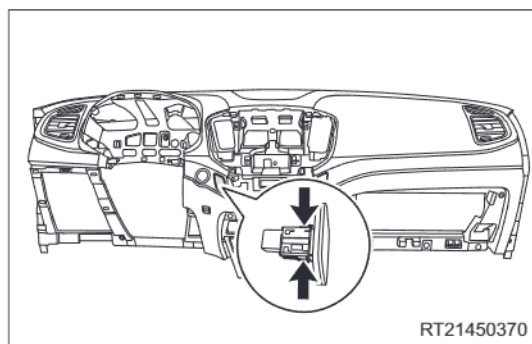
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing instrument panel assembly.
- DO NOT scratch instrument panel surface when removing instrument panel assembly.

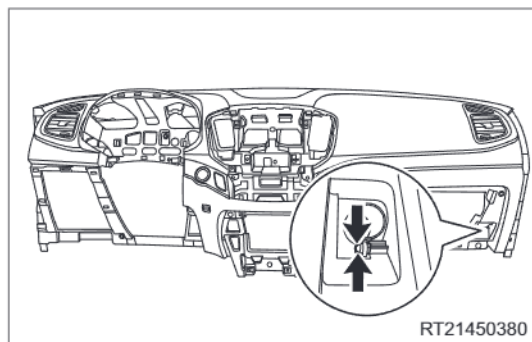
1. Remove the engine switch.
 - a. Press the claws (arrow) on engine switch as shown in the illustration.
 - b. Remove the engine switch from instrument panel assembly.



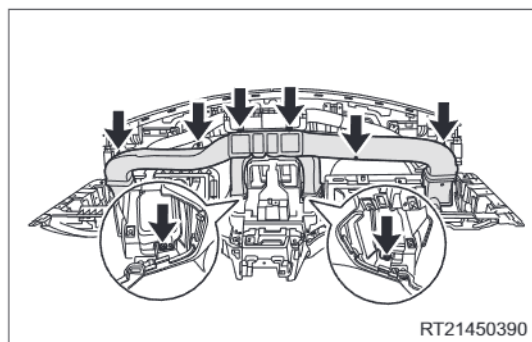
2. Remove the hazard warning light.
 - a. Press the claws (arrow) on hazard warning light as shown in the illustration.
 - b. Remove the hazard warning light from instrument panel assembly.



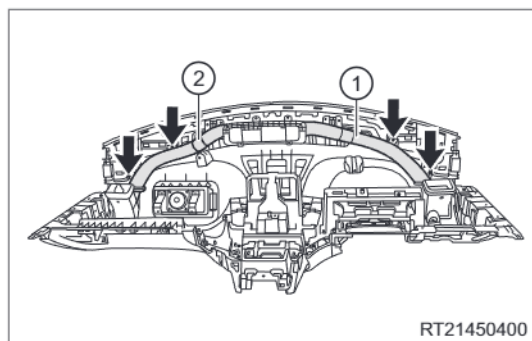
3. Remove the damper assembly.
 - a. Press the claws (arrow) as shown in the illustration.
 - b. Remove the damper assembly from instrument panel assembly.



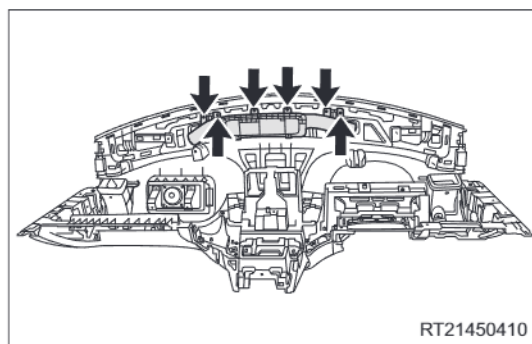
4. Remove the face air duct assembly.
 - a. Remove 8 fixing screws (arrow) from face air duct assembly.
(Tightening torque: 1.5 ± 0.5 N·m)
 - b. Remove the face air duct assembly from instrument panel assembly.



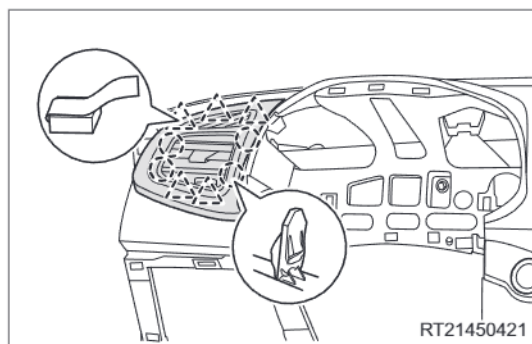
5. Remove the defroster duct assembly.
 - a. Remove 4 fixing screws (arrow) from defroster duct assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the left defroster duct assembly (1) and right defroster duct assembly (2) from instrument panel assembly.



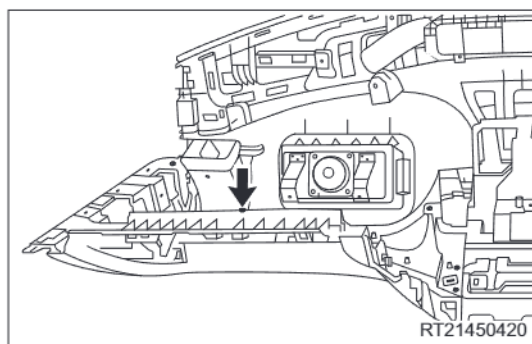
6. Remove the center defroster duct assembly.
 - a. Remove 6 fixing screws (arrow) from center defroster duct assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - b. Remove the center defroster duct assembly from instrument panel assembly.



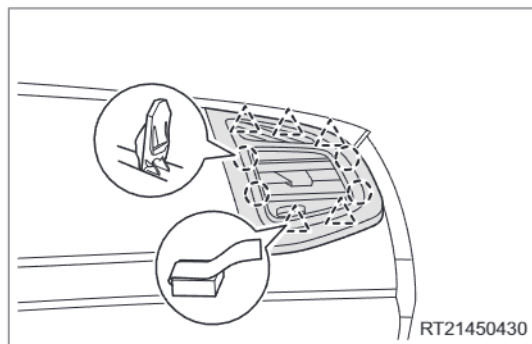
7. Remove the instrument panel left outlet assembly.
 - a. Using a screwdriver wrapped with protective tape, pry up the claws on instrument panel left outlet assembly.
 - b. Remove the instrument panel left outlet assembly from instrument panel assembly.



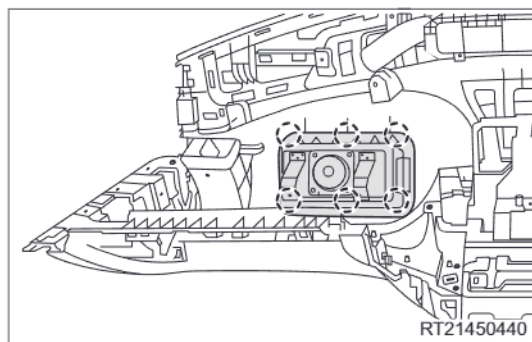
8. Remove the instrument panel right outlet assembly.
 - a. Remove the fixing screw (arrow) from instrument panel right outlet assembly.
(Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)



- b. Using a screwdriver wrapped with protective tape, pry up the claws on instrument panel right outlet assembly.
- c. Remove the instrument panel right outlet assembly from instrument panel assembly.



9. Remove the front passenger airbag.
 - a. Disengage the claws from front passenger airbag.
 - b. Remove the front passenger airbag from instrument panel assembly.



Assembly

Assembly is in the reverse order of disassembly.

Installation

Installation is in the reverse order of removal.

CAUTION

- Make sure to tighten fixing bolts and fixing screws to the specified torque when installing instrument panel assembly.
- Check airbag for proper installation after installing instrument panel assembly.
- Check each electrical equipment for proper operation after installing instrument panel assembly.

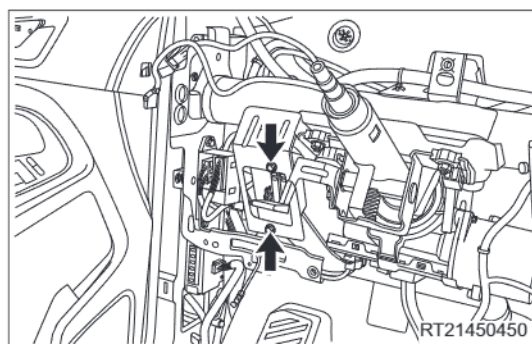
Instrument Panel Crossmember Assembly

Removal

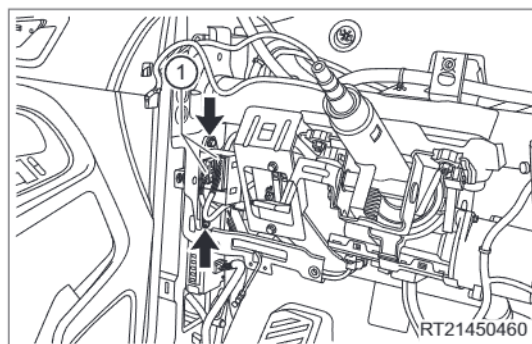
CAUTION

- Be sure to wear safety equipment to prevent accidents when removing instrument panel crossmember assembly.
- DO NOT scratch interior and body paint when removing instrument panel crossmember assembly.

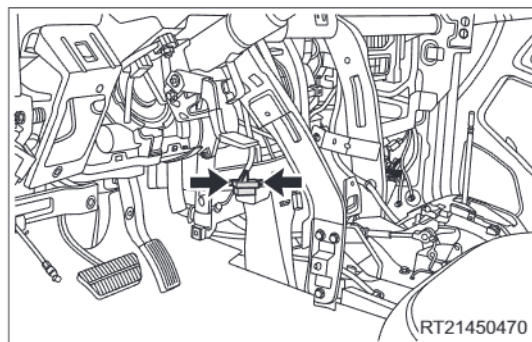
1. Turn off all the electrical equipment and ignition switch.
2. Disconnect the negative battery cable.
3. Remove the instrument panel assembly (See page 45-17).
4. Loosen the instrument panel fuse and relay box.
 - a. Remove 2 fixing bolts (arrow) from instrument panel fuse and relay box, and loosen the instrument panel fuse and relay box.
(Tightening torque: $7 \pm 1 \text{ N}\cdot\text{m}$)



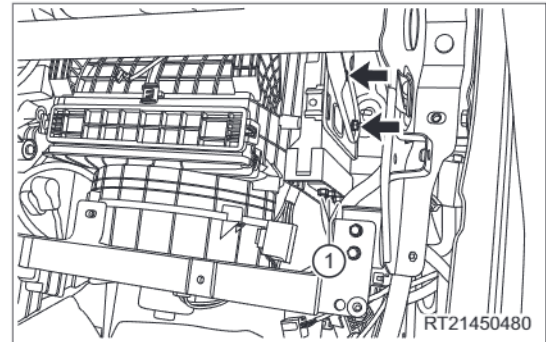
5. Loosen the connector mounting bracket.
 - a. Disconnect the connectors (1) from the inner part of connector mounting bracket.
 - b. Remove 2 fixing bolts (arrow) from connector mounting bracket, and loosen the connector mounting bracket.
(Tightening torque: $7 \pm 1 \text{ N}\cdot\text{m}$)



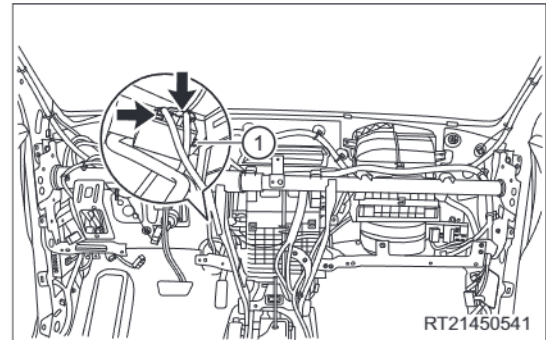
6. Loosen the diagnostic interface.
 - a. Remove 2 fixing screws (arrow) from diagnostic interface, and loosen the diagnostic interface.
(Tightening torque: $1.5 \text{ N}\cdot\text{m}$)



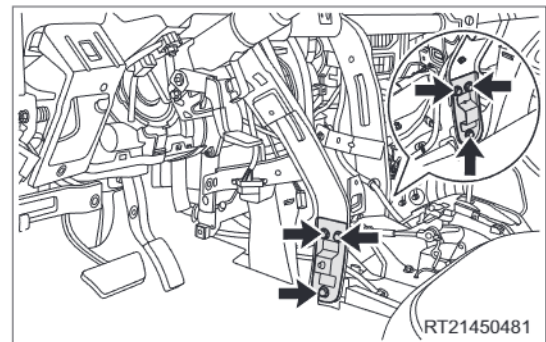
7. Remove the smart entry start controller.
 - a. Disconnect the connectors (1) from smart entry start controller.
 - b. Remove 2 fixing nuts (arrow) from smart entry start controller, and remove the smart entry start controller. (Tightening torque: 7 ± 1 N·m)



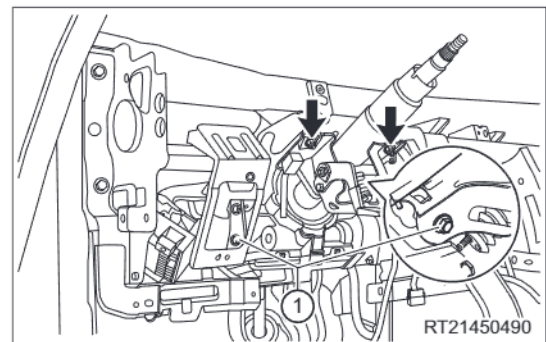
8. Remove the anti-theft module (for MT model).
 - a. Disconnect the connector (arrow) from the anti-theft module.
 - b. Remove the fixing bolt (1) from the anti-theft module. (Tightening torque: 7 ± 1 N·m)



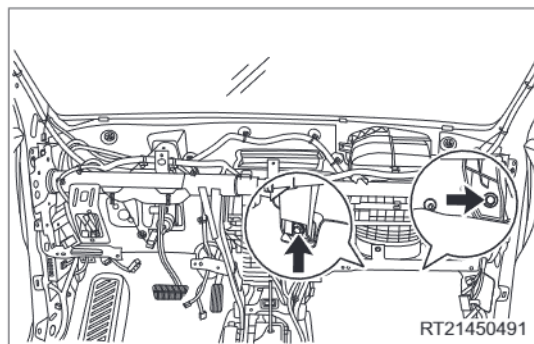
9. Remove the instrument panel crossmember lower bracket assembly.
 - a. Remove 6 fixing bolts (arrow) from instrument panel crossmember lower bracket assemblies, and remove the instrument panel crossmember lower bracket assemblies. (Tightening torque: 25 ± 3 N·m)



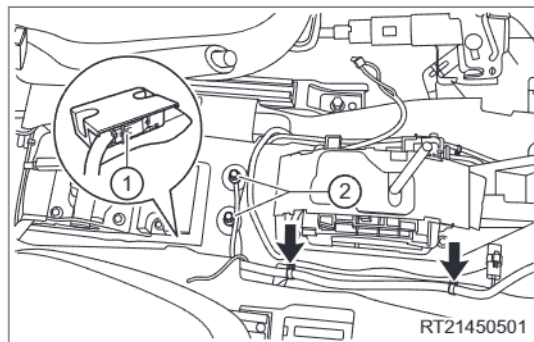
10. Loosen the steering column assembly.
 - a. Remove 2 fixing nuts (arrow) from steering column assembly. (Tightening torque: 25 ± 3 N·m)
 - b. Remove 2 fixing bolts (1) from steering column assembly. (Tightening torque: 25 ± 3 N·m)
 - c. Separate the steering column assembly from instrument panel crossmember.



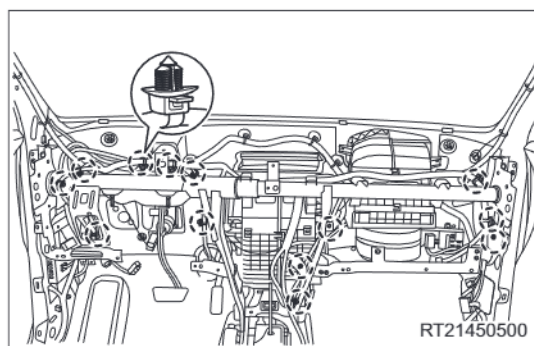
11. Remove 2 fixing bolts (arrow) from blower.
(Tightening torque: 4 ± 1 N·m)



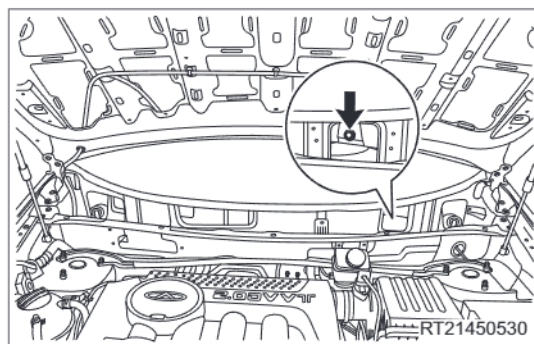
12. Separate the instrument panel wire harness.
 - a. Disconnect the connector (1) from airbag control module.
 - b. Remove the fixing nuts (2) from ground wire.
(Tightening torque: 15 ± 2 N·m)
 - c. Remove the clips (arrow) from lower part of instrument panel wire harness.



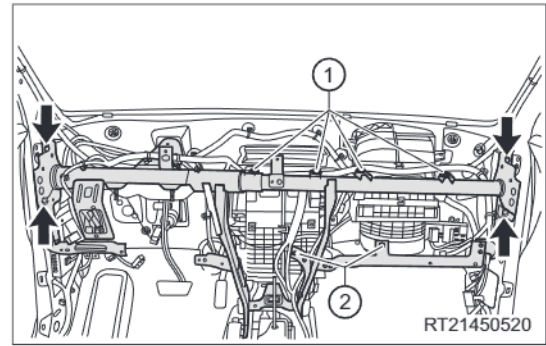
- d. Remove the clips from upper part of instrument panel wire harness, and separate the instrument panel wire harness from instrument panel crossmember.



13. Remove the instrument panel crossmember assembly.
 - a. Remove the fixing bolt (arrow) from outer part of instrument panel crossmember assembly.
(Tightening torque: 25 ± 3 N·m)

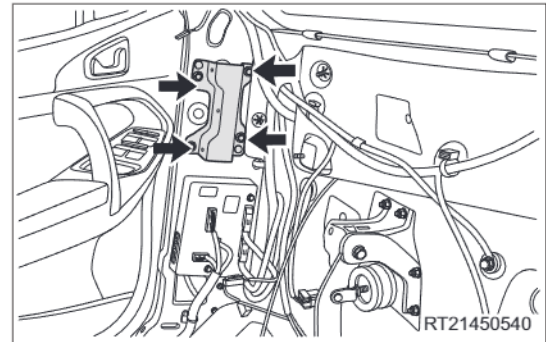


- b. Remove 4 fixing bolts (arrow) from instrument panel crossmember assembly.
(Tightening torque: 25 ± 3 N·m)
- c. Remove 4 fixing nuts (1) from instrument panel crossmember assembly.
(Tightening torque: 7 ± 1 N·m)
- d. Remove 2 fixing screws (2) from instrument panel crossmember assembly, and remove the instrument panel crossmember assembly.
(Tightening torque: 7 ± 1 N·m)



14. Remove the instrument panel crossmember bracket assembly (take left side as an example).

- a. Remove 4 fixing bolts (arrow) from instrument panel crossmember bracket assembly.
(Tightening torque: 23 ± 2 N·m)
- b. Remove the instrument panel crossmember bracket assembly.



Installation

Installation is in the reverse order of removal.

CAUTION

- Make sure to tighten fixing bolts to the specified torque when installing instrument panel crossmember assembly.
- Check airbag for proper installation after installing instrument panel crossmember assembly.
- Check each electrical equipment for proper operation after installing instrument panel crossmember assembly.

