
INSTRUMENT PANEL

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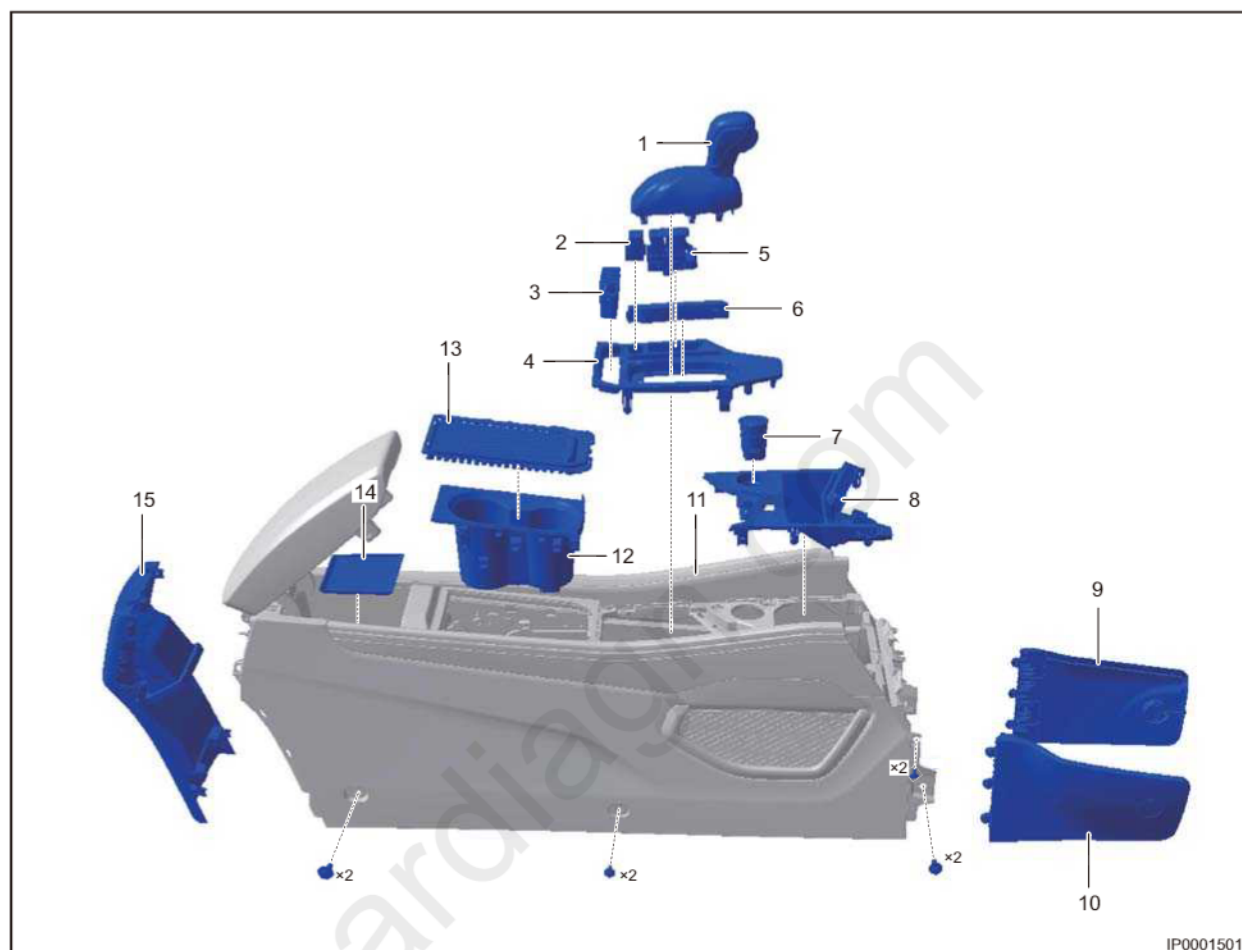
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GENERAL INFORMATION

General

Description

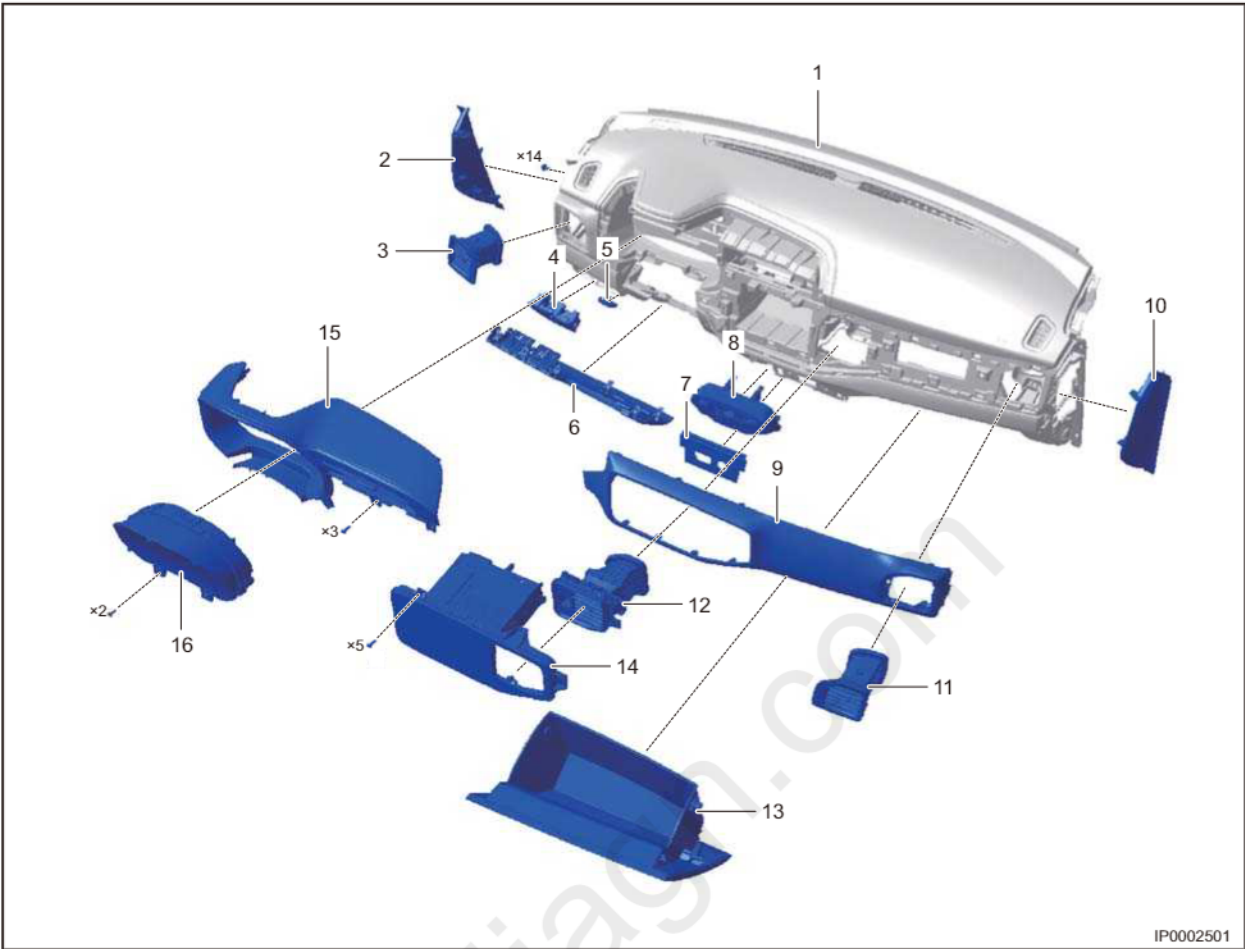
Auxiliary Fascia Console Assembly



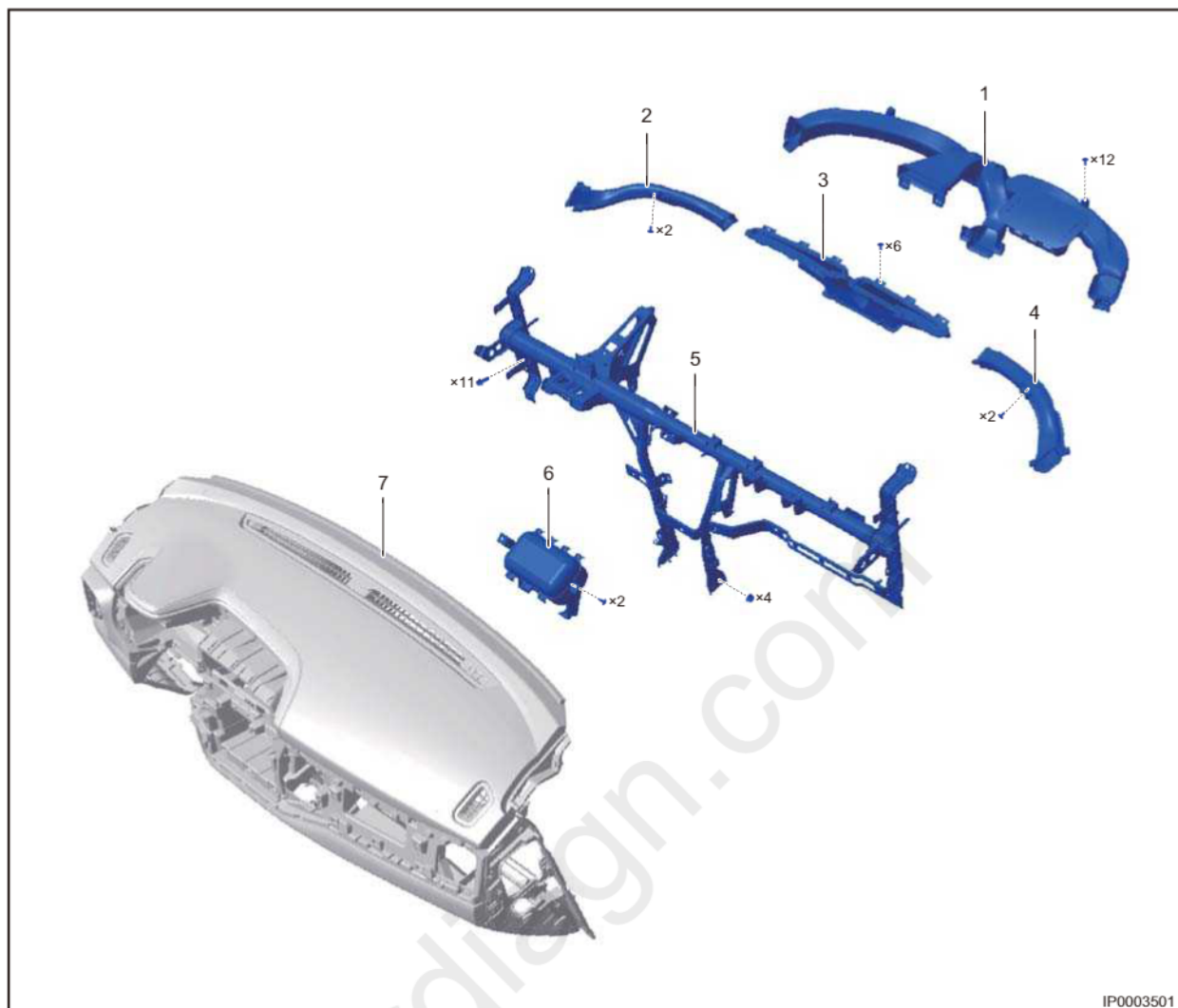
IP0001501

1 - Shift Knob	2 - Power Save Mode Switch
3 - Auxiliary Fascia Console Switch	4 - Auxiliary Fascia Console Finish Assembly
5 - EPB Switch Assembly	6 - Gear Display Panel
7 - ENGINE START STOP Switch Assembly	8 - Front Storage Box Body
9 - Auxiliary Fascia Console Front Left Protector Assembly	10 - Auxiliary Fascia Console Front Right Protector Assembly
11 - Auxiliary Fascia Console Assembly	12 - Cup Holder Assembly
13 - Retractable Box Assembly	14 - Auxiliary Fascia Gasket
15 - Auxiliary Fascia Console Rear Panel Assembly	

Instrument Panel Assembly



1 - Instrument Panel Assembly	2 - Instrument Panel Left End Cover Assembly
3 - Instrument Panel Left Outlet Assembly	4 - Adjustment Switch Assembly
5 - Engine Hood Grip Assembly	6 - Lower Left Protector Assembly
7 - Front Storage Box Cover Plate Assembly	8 - A/C Control Panel Assembly
9 - Center Console Finish Panel Assembly	10 - Instrument Panel Right End Cover Assembly
11 - Instrument Panel Right Outlet Assembly	12 - Instrument Panel Center Outlet Assembly.
13 - Glove box assembly.	14 - No Disc DVD
15 - Instrument Panel Left Outlet Assembly.	16 - Instrument Cluster Assembly



IP0003501

1 - Face Air Duct Assembly	2 - Left Defroster Duct Assembly
3 - Windshield Defroster Duct Assembly	4 - Right Defroster Duct Assembly
5 - Instrument Panel Crossmember Assembly	6 - Front Passenger Airbag Assembly
7 - Instrument Panel Assembly	

Specifications

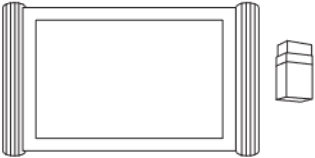
Torque Specifications

Description	Torque (N·m)
Auxiliary Fascia Console Storage Box Fixing Bolt	9 ± 1
Auxiliary Fascia Console Front Protector Fixing Screw	2.5 ± 0.5
Instrument Panel Fixing Bolt	5 ± 1
Instrument Panel Fixing Screw	1.5 ± 0.5
Fixing Bolt Between Passenger Side Airbag and Crossmember	23 ± 2
Instrument Panel Crossmember Fixing Bolt	25 ± 3.5



Tools

Special Tool

Steering Wheel Remover	CH-30003-A	 001
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General Tool

Interior Crow Plate	 025
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ON-VEHICLE SERVICE

Auxiliary Fascia Console Assembly

Removal

WARNING:

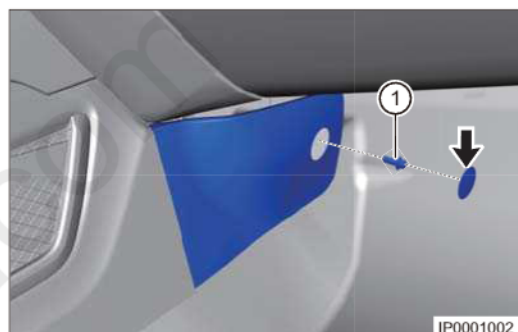
- Be sure to wear safety equipment to prevent accidents, when removing auxiliary fascia console assembly.
- Appropriate force should be applied, when removing auxiliary fascia console assembly. Be careful not to operate roughly.
- DO NOT scratch interior and body paint when removing auxiliary fascia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

1. Turn off all electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the auxiliary fascia console front right protector (Removal produces for left and right are same. Take the right side as an example).

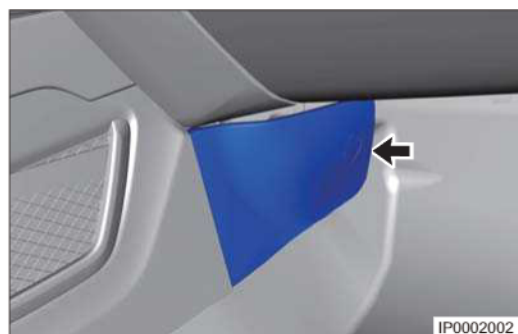
1. Using an interior crow plate, pry up the plug (arrow) of auxiliary fascia console front right protector and remove the fixing bolt (1) from auxiliary fascia console front right protector.

Tightening torque

$9 \pm 1 \text{ N}\cdot\text{m}$



2. Remove the auxiliary fascia console front right protector (arrow).



4. Remove 1 fixing screw (1) and 1 fixing bolt (2) from auxiliary fascia console.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$

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

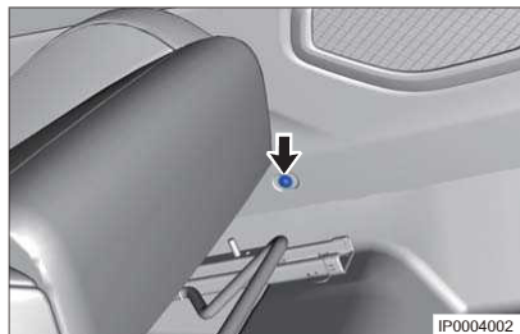


47-INSTRUMENT PANEL

5. Remove 1 fixing bolt (arrow) from central part of auxiliary fascia console panel.

Tightening torque

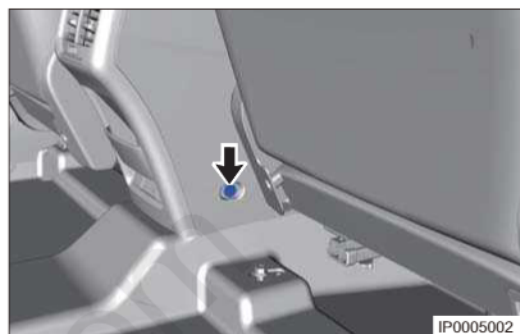
$5 \pm 1 \text{ N}\cdot\text{m}$



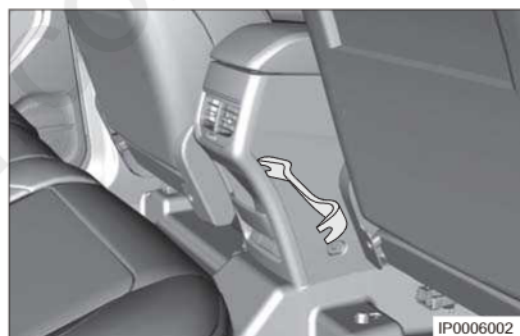
6. Remove 1 fixing bolt (arrow) from rear right part of auxiliary fascia console panel.

Tightening torque

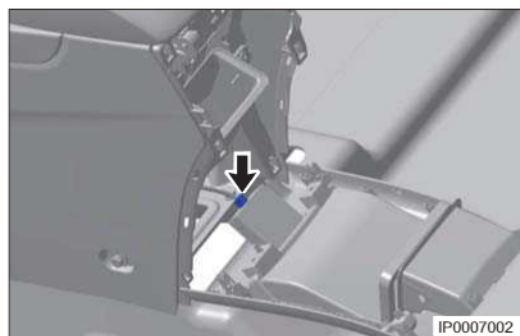
$5 \pm 1 \text{ N}\cdot\text{m}$



7. Pry off the rear outlet panel with interior crow plate.



8. Disconnect the USB charging module connector (arrow).

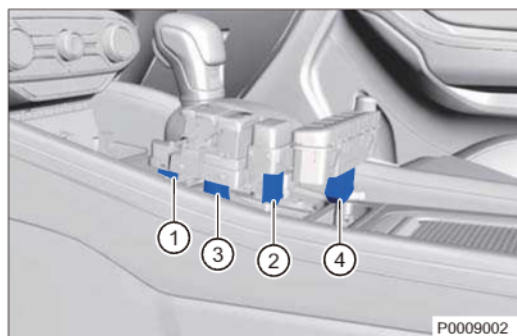


47

9. Remove the shift finish panel assembly (DCT).
(a) Pry off the shift finish panel assembly (1) with interior crow plate.



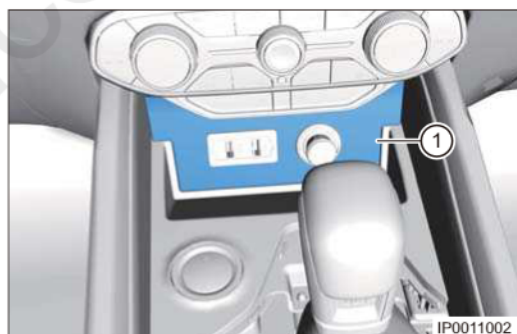
- (b) Disconnect connectors from gear indicator (1), mode shift switch (2), electronic parking (3) and auxiliary fascia console panel combination switch (4).



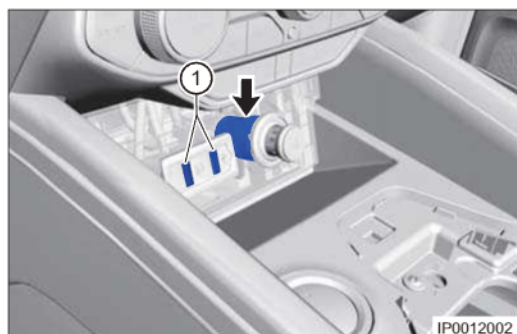
10. Pry off the fixing clip of shift lever boot (1) with interior crow plate and remove shift lever boot.



11. Remove the front storage box cover plate assembly.
(a) Pry off the front storage box cover plate assembly (1) with interior crow plate.



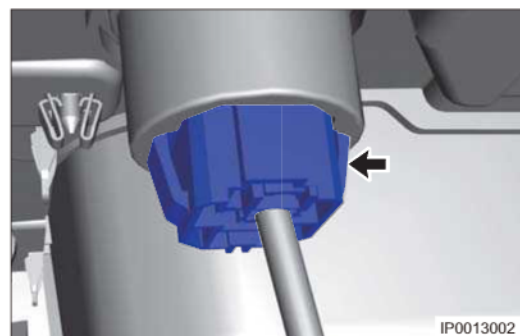
- (b) Disconnect cigarette lighter (arrow), and 2 USB connectors (1).
(c) Remove the front storage box cover plate.



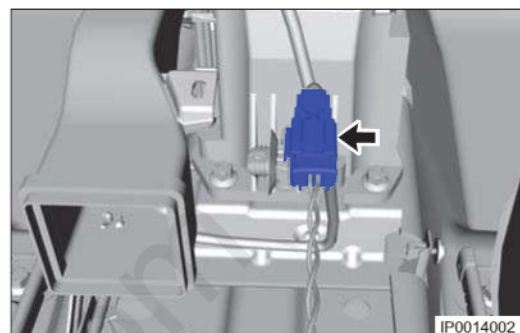
12. Remove 2 fixing screws (1) from rear part of front storage box cover plate.



13. Disconnect the ignition switch connector (arrow).



14. Disconnect the immobilizer coil connector (arrow).



15. Remove the auxiliary fascia console assembly.

Installation

1. Assembly is in the reverse order of disassembly.

Instrument Panel Assembly

Removal

WARNING:

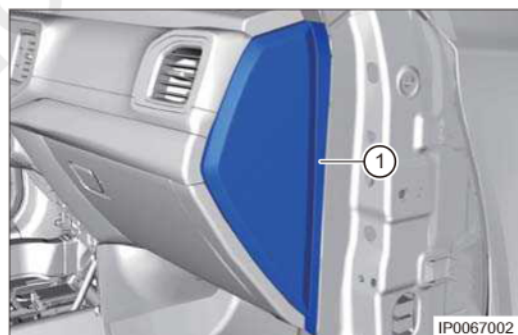
- Be sure to wear safety equipment to prevent accidents, when removing auxiliary fascia console assembly.
- All operations related with safety airbag components when removing the instrument panel should be performed after battery power supply is disconnected. Never operate it with power on. Within 60 seconds after turning off the vehicle or removing the fuse, there is still enough power to deploy safety airbag remained inside the safety airbag control module. Accidental airbag deployment may cause personal injury or damage the vehicle.
- Never expose airbag components directly to hot air or open flames.
- Removed airbag should be well kept. If triggered accidentally, it may cause personal injury.

Warning:

- 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 electrical equipment and the ignition switch.
2. Disconnect the negative battery cable.
3. Remove the auxiliary fascia console assembly (See page 47-7).
4. Remove the right weatherstrip assembly.
5. Remove the instrument panel right end cover assembly

- (a) Using an interior crow plate, pry up clips from instrument panel right end cover assembly, and remove instrument panel right end cover assembly (1).



6. Remove the instrument cluster assembly.
 - (a) Remove 1 fixing screws (arrow) on right instrument panel.

Tightening torque
 $2 \pm 0.5 \text{ N}\cdot\text{m}$



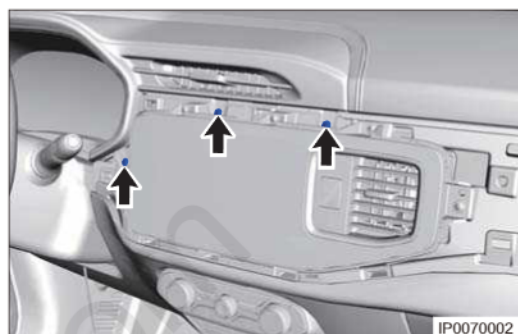
- (b) Using an interior crow plate, pry off fixing clips of center control trim panel assembly and remove center control panel assembly (1).



- (c) Remove 3 fixing screws (arrow) from instrument cluster trim frame.

Tightening torque

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



- (d) Remove 1 fixing screw (arrow) from instrument cluster lower protector.

Tightening torque

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



- (e) Remove the instrument cluster trim frame assembly (1).



7. Remove the driver airbag assembly (See page 30-55).
8. Remove the steering wheel assembly (See page 28-22).
9. Remove the spiral cable (See page 30-69).
10. Remove the wiper switch assembly (See page 35-12).
11. Remove the combination switch assembly (See page 34-58).
12. Remove the A-pillar upper protector assembly (See page 51-13).
13. Remove the A-pillar lower protector assembly (See page 51-14).
14. Remove the A/C control panel assembly (See page 29-85).
15. Remove the No Disc DVD (See page 38-28).
16. Remove the instrument panel left end cover assembly (take left side as an example).

- (a) Using an interior crow plate, pry up clip from instrument panel left end cover assembly, and remove instrument panel left end cover assembly (1).



IP0015002

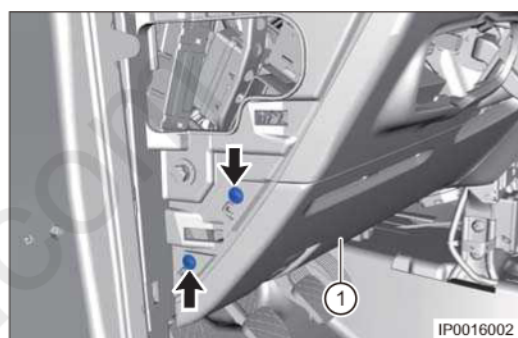
17. Remove the instrument panel left lower protector assembly.

- (a) Remove 2 fixing screws (arrow) from instrument panel lower left protector assembly.

Tightening torque

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

- (b) Using a screwdriver wrapped with protective tape, pry off and remove the instrument panel left lower protector (1).



IP0016002

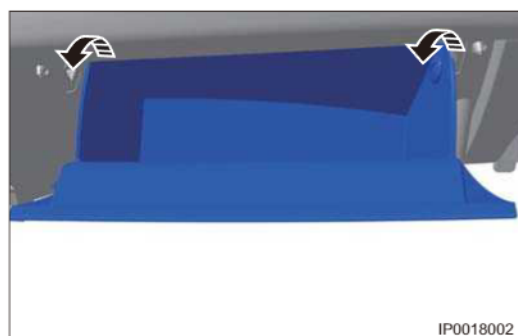
18. Remove the glove box assembly.

- (a) Open glove box assembly in the direction of arrow as shown in illustration.



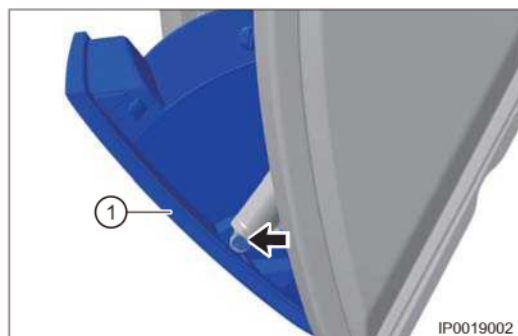
IP0017002

- (b) Rotate the lock knobs in the direction of arrow as shown in the illustration, and remove the lock knobs.

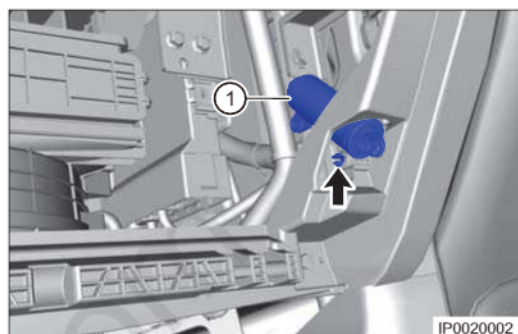


IP0018002

- (c) Detach the coupling clips between glove box and damper, detach claws from lower side of glove box assembly, and remove glove box assembly (1).



- (d) Detach the coupling clips between instrument panel and damper, detach claws from lower side of instrument panel assembly, and remove damper assembly (1).

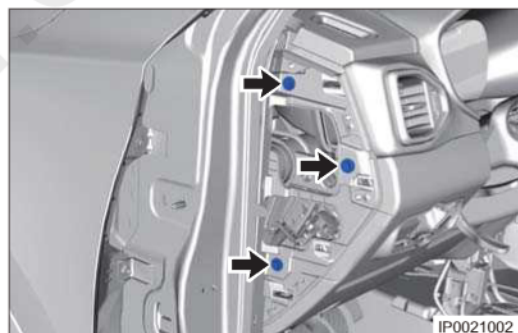


19. Remove the adjustment switch assembly (See page 34-61).

20. Remove the instrument panel assembly.

- (a) Remove 3 fixing bolts (arrow) from left instrument panel assembly (take left side as an example).

Tightening torque
 $5 \pm 1 \text{ N}\cdot\text{m}$



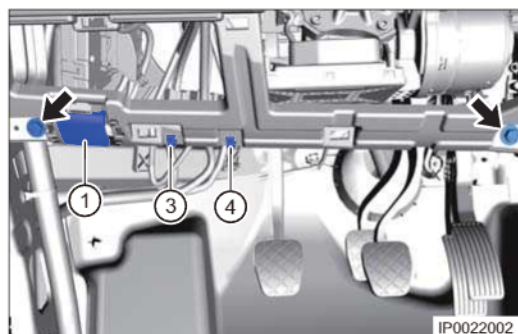
- (b) Remove 2 fixing bolts (arrow) between lower left part of instrument panel and crossmember.

Tightening torque
 $5 \pm 1 \text{ N}\cdot\text{m}$

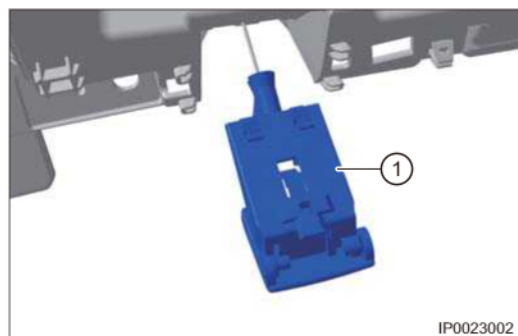
- (c) Using a screwdriver wrapped with protective tape, pry up the fixing clips from engine hood grip assembly. Detach engine hood grip assembly (1) from instrument panel.

- (d) Remove 2 fixing screws (3) and (4) from back of OBD diagnostic interface.

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



- (e) Detach engine hood lock cable assembly from engine hood grip assembly and remove engine hood grip assembly (1).



- (f) Remove 1 fixing bolt (1) from instrument panel assembly.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$



- (g) Remove 1 fixing bolt (1) from instrument panel assembly.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$



- (h) Remove 1 fixing bolt (arrow) from upper part of instrument panel assembly (take left side as an example).

Tightening torque

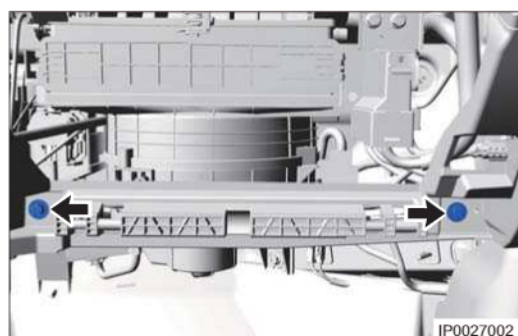
$5 \pm 1 \text{ N}\cdot\text{m}$



- (i) Remove 2 fixing bolts (arrow) from instrument panel assembly.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$



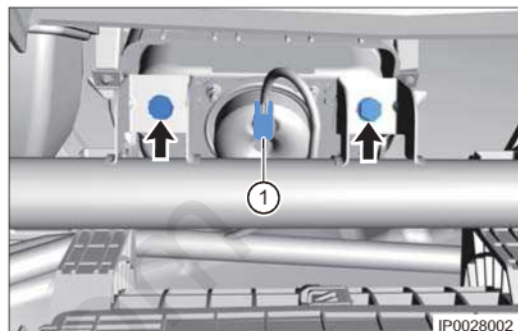
- (j) Remove 2 fixing bolts (arrow) from instrument panel assembly.

Tightening torque
 $5 \pm 1 \text{ N}\cdot\text{m}$

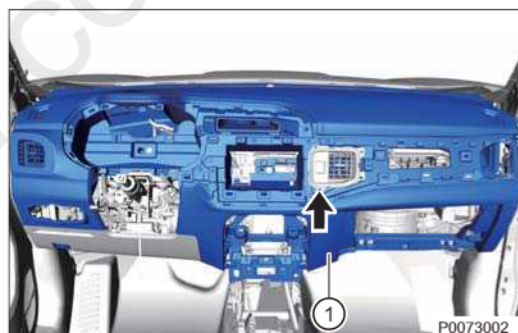


- (k) Disconnect the passenger side safety airbag connector (1). Remove 2 fixing bolts (arrow) between passenger side safety airbag and crossmember.

Tightening torque
 $23 \pm 2 \text{ N}\cdot\text{m}$



- (l) Disconnect clip (arrow) from instrument panel assembly and remove instrument panel assembly (1).



Installation

1. Assembly is in the reverse order of disassembly.

Disassembly

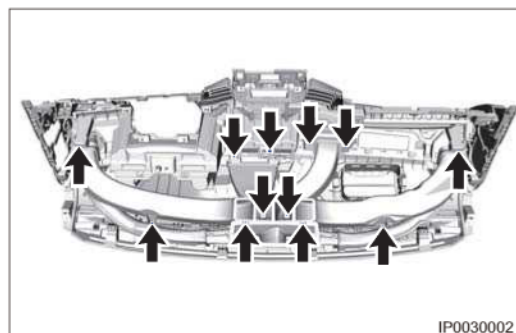
1. Remove the right outlet assembly.
- Remove 1 fixing screw (arrow) from right outlet assembly. (Tightening torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$)
 - Using a screwdriver wrapped with protective tape, pry off the right outlet assembly (1).



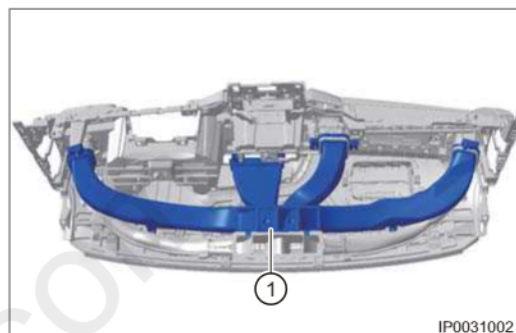
2. Remove the central air duct.

- (a) Remove 12 fixing screws (arrow) from central air duct.

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



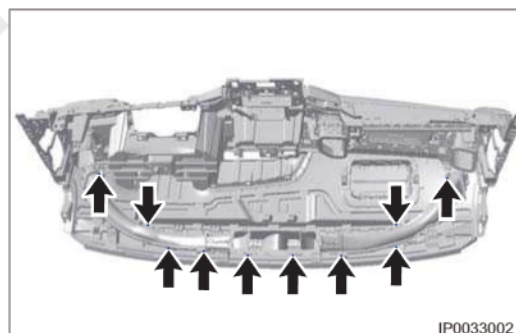
- (b) Remove the central air duct (1).



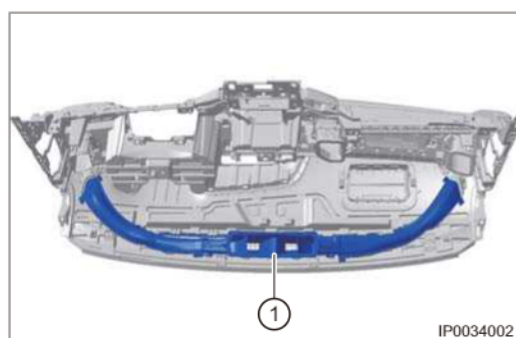
3. Remove the central defroster duct.

- (a) Remove 10 fixing screws (arrow) from central defroster duct.

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

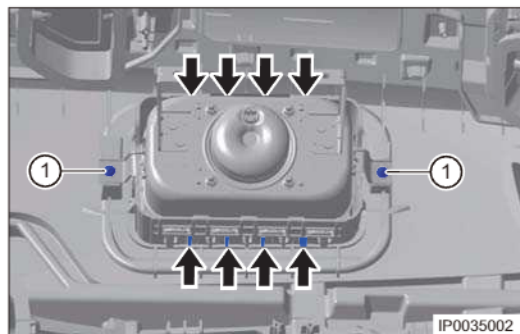


- (b) Remove the central defroster duct (1).



47-INSTRUMENT PANEL

4. Remove the front passenger airbag assembly.
 - (a) Remove 2 fixing screws (1) from front passenger airbag assembly.
 - (b) Disengage 8 fixing clips from front passenger airbag assembly.



- (c) Remove the front passenger airbag assembly.

Assembly

1. Assembly is in the reverse order of disassembly.

Installation

1. Installation is in the reverse order of removal.

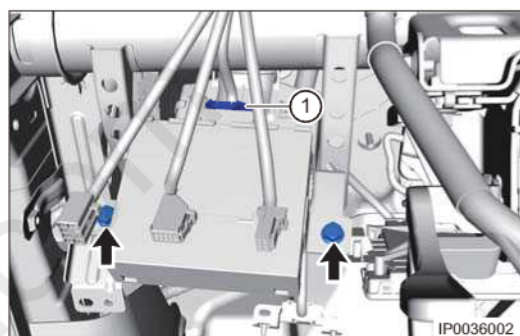
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Instrument Panel Crossmember Assembly

Removal

Warning:

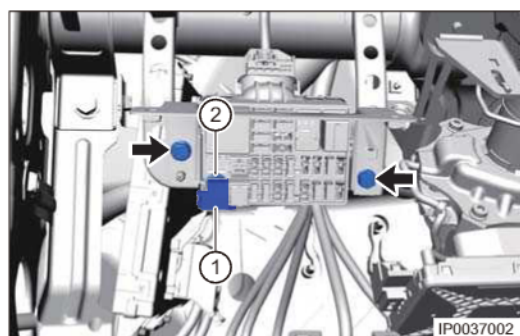
- Be sure to wear safety equipment to prevent accidents, when removing instrument panel crossmember assembly.
 - DO NOT scratch interior and body paint, when removing instrument panel crossmember assembly.
1. Turn off all electrical equipment and the ignition switch.
 2. Disconnect the negative battery cable.
 3. Remove the instrument panel assembly (See page 47-11).
 4. Remove the front windshield lower support assembly (See page 50-16).
 5. Remove the front right seat assembly (See page 48-9).
 6. Remove the DC regulator. (with start and stop function)
 - (a) Remove 2 fixing bolts (arrow) from DC regulator and disconnect connector (1) from DC regulator.



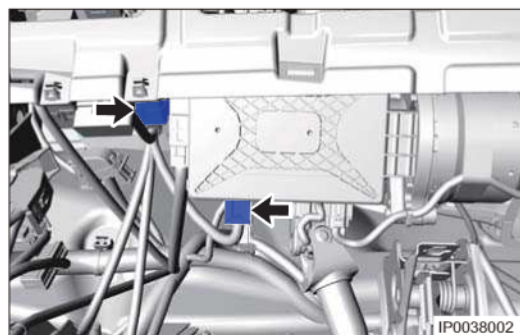
7. Remove the instrument panel fuse box.
 - (a) Pry off the power supply protector cover (1) from instrument panel relay and fuse and relay box and remove power supply cable fixing nut (2).
 - (b) Remove 2 fixing bolts (arrow) from instrument panel and relay box.

Tightening torque

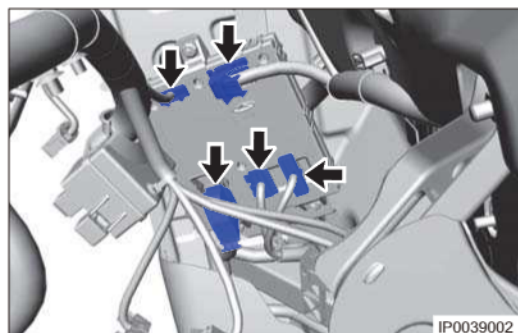
$9 \pm 1 \text{ N}\cdot\text{m}$



8. Disconnect 2 connectors (arrow) from EPS.

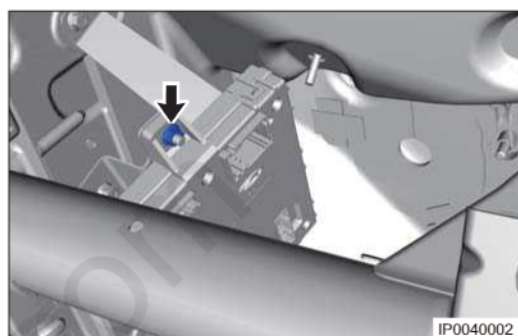


9. Remove the Body Control Module (BCM).
 - (a) Disconnect 5 connectors (arrow) from Body Control Module (BCM).



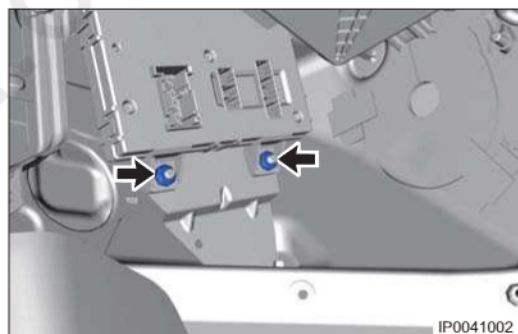
- (b) Remove 1 fixing nut (arrow) from Body Control Module (BCM).

Tightening torque
 $6 \pm 1 \text{ N}\cdot\text{m}$

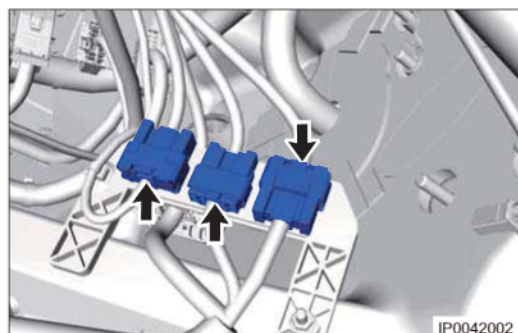


- (c) Remove 2 fixing nuts (arrow) from Body Control Module (BCM).

Tightening torque
 $6 \pm 1 \text{ N}\cdot\text{m}$

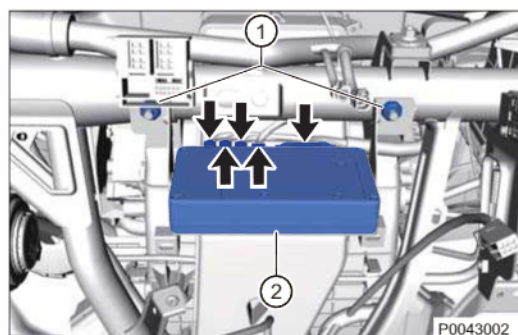


10. Disconnect 3 connectors (arrow) between instrument panel wire harness and interior wire harness.



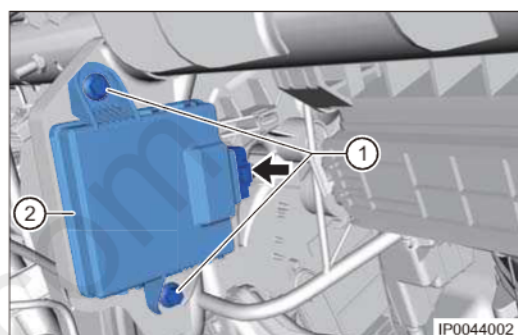
11. Remove the wireless communication module (TBOX).

- (a) Remove 2 fixing nuts (1) from wireless communication module. Disconnect wireless communication module connector (arrow) and remove wireless communication module (2).

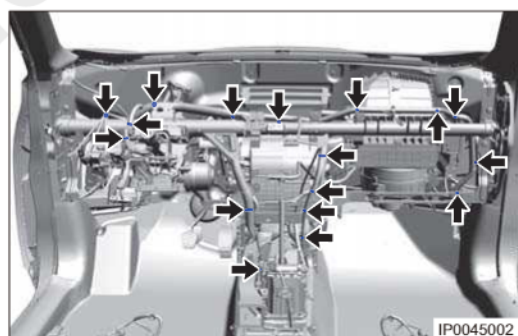


12. Remove the center gateway module.

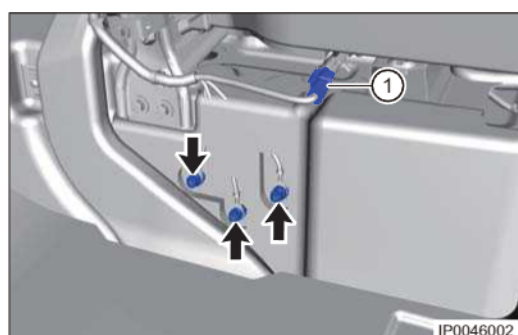
- (a) Remove 2 fixing nuts (1) from gateway module. Disconnect gateway module connector (arrow) and remove gateway module (2).



13. Disconnect all wire harness fixing clips from instrument panel crossmember.

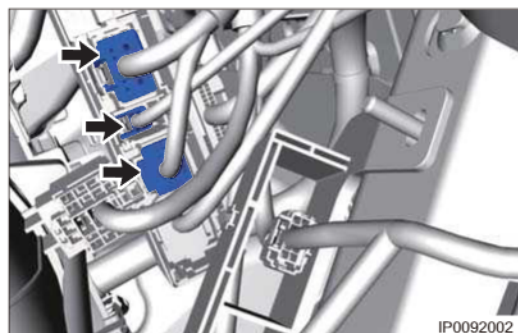


14. Fold back the front passenger carpet to remove body ground nuts (arrow) and disconnect low frequency antenna connector (1).

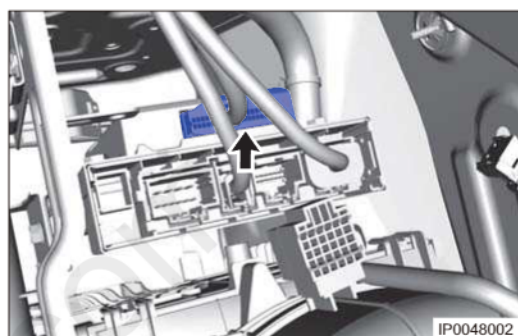


15. Remove PEPS control module and panoramic image module (AVM) (DTC).

- (a) Disconnect 3 connectors (arrow) from PEPS module.

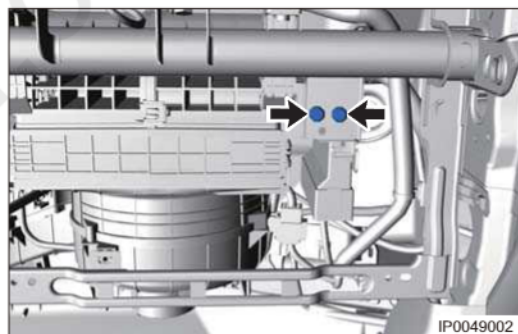


- (b) Disconnect 1 connector (arrow) from panorama parking module.



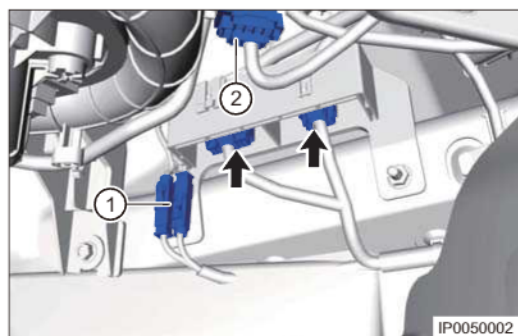
- (c) Remove 2 fixing bolts (arrow) between PEPS control module and panoramic image module (AVM).

Tightening torque
 $7 \pm 1 \text{ N}\cdot\text{m}$



- (d) Remove PEPS control module and panoramic image module (AVM).

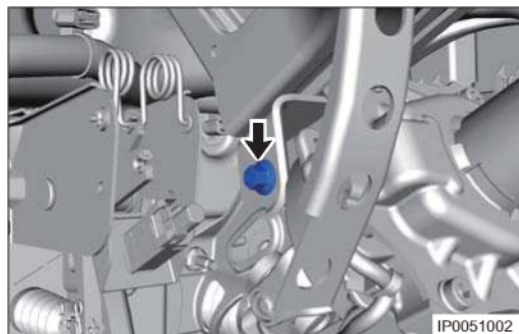
16. Disconnect radio antenna connector (1) and A/C wire harness connector (2) and 2 connectors (arrow) between instrument panel wire harness and interior wire harness.



17. Remove 1 through bolt (arrow) from steering column.

Tightening torque

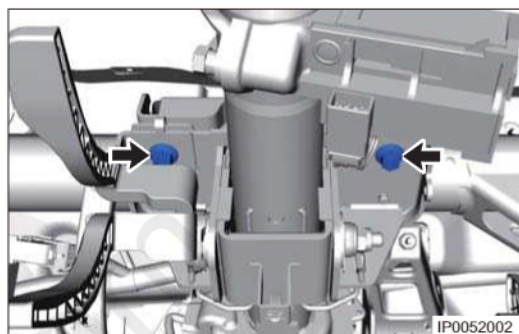
$25 \pm 3 \text{ N}\cdot\text{m}$



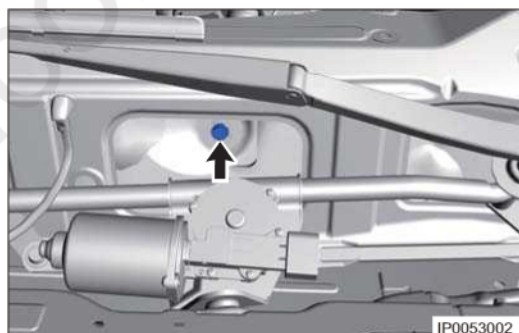
18. Remove 2 fixing bolts (arrow) from steering column.

Tightening torque

$25 \pm 3 \text{ N}\cdot\text{m}$



19. Remove 1 fixing bolt (arrow) under front windshield lower trim board outside the instrument panel.



20. Remove 2 fixing bolts (arrow) from instrument panel crossmember (take left side as an example).

Tightening torque

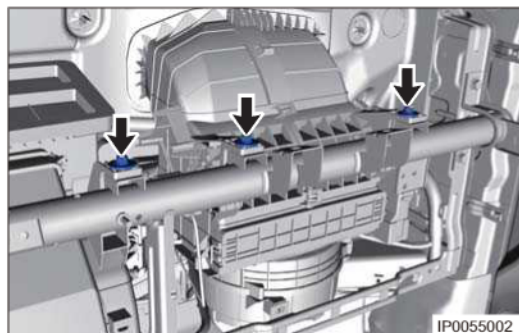
$25 \pm 3.5 \text{ N}\cdot\text{m}$



21. Remove 3 fixing nuts (arrow) between HVAC assembly and instrument panel crossmember.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$

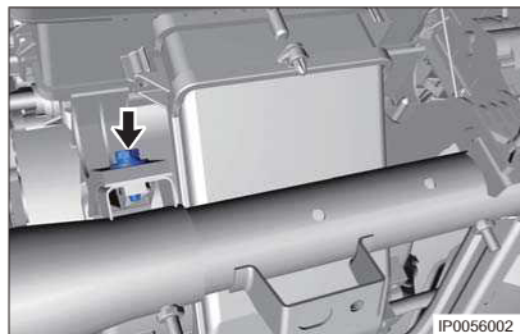


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22. Remove 1 fixing bolt (arrow) between HVAC assembly and instrument panel crossmember.

Tightening torque:

$5 \pm 1 \text{ N}\cdot\text{m}$



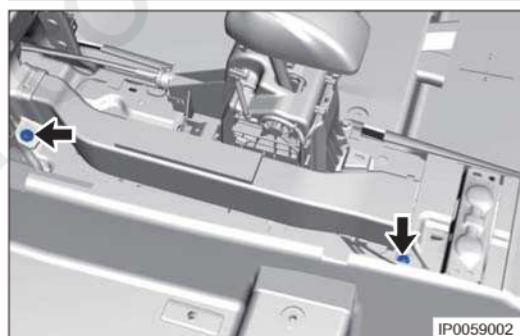
23. Remove 1 fixing bolt (arrow) between HVAC assembly and instrument panel crossmember.

Tightening torque

$2.5 \pm 0.5 \text{ N}\cdot\text{m}$



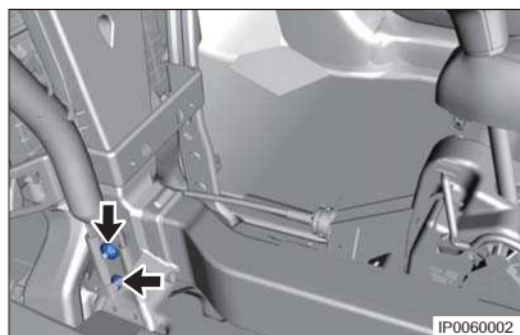
24. Remove 2 fixing screws (arrow) from front part of rear face air duct.



25. Remove 2 fixing nuts (arrow) from lower part of instrument panel crossmember (take left side as an example).

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$

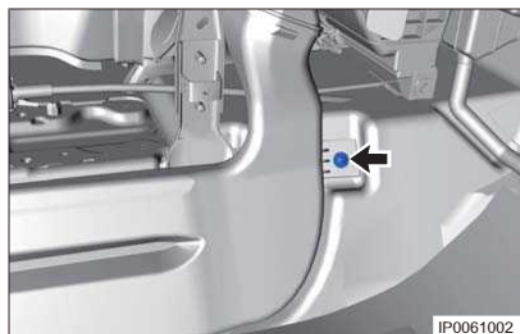


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26. Fold back the front passenger carpet to remove 1 fixing screw (arrow) from right foot duct.

Tightening torque

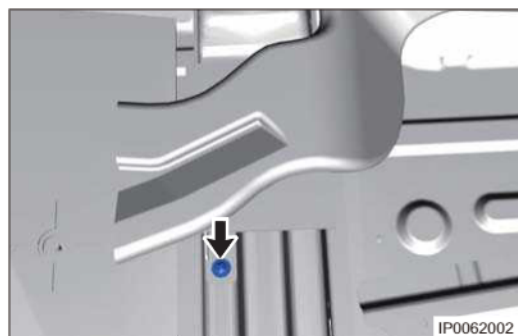
$5 \pm 1 \text{ N}\cdot\text{m}$



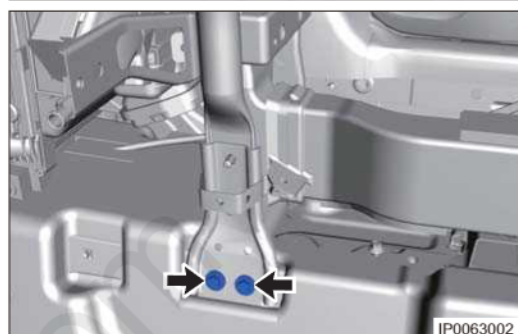
27. Fold back the front passenger carpet to remove 1 fixing screw (arrow) from right foot duct and take away the right foot duct.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$



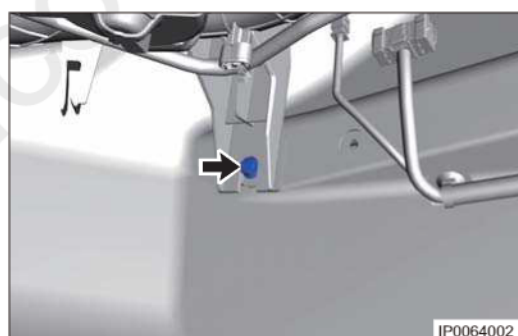
28. Remove 2 fixing bolts (arrow) from instrument panel crossmember fixing bracket (take left side as an example).



29. Remove 1 fixing bolt (arrow) between HVAC assembly and body.

Tightening torque

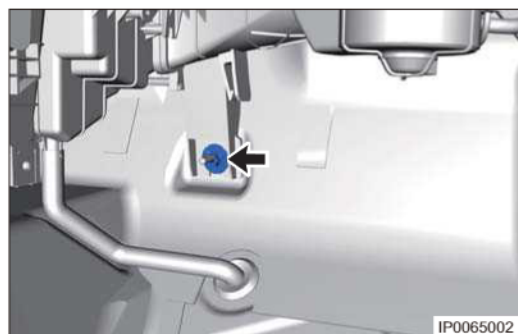
$5 \pm 1 \text{ N}\cdot\text{m}$



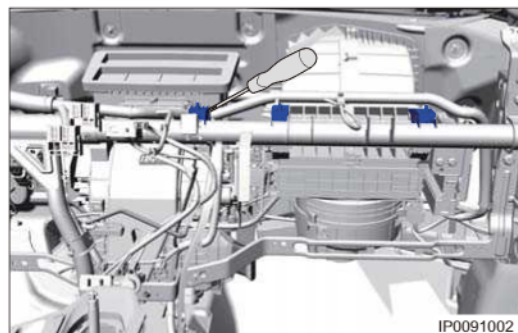
30. Remove 1 fixing nut (arrow) between HVAC assembly and body.

Tightening torque

$5 \pm 1 \text{ N}\cdot\text{m}$



31. Using a flat tip screwdriver, detach HVAC assembly from instrument panel crossmember assembly.



32. Carefully remove the instrument panel crossmember assembly.



Installation

Caution

- Be sure to tighten fixing bolts to specified torque, when installing instrument panel crossmember assembly.
 - Check if safety airbag is installed correctly after installing instrument panel crossmember assembly.
 - Check if every electronic devices operate normally after installing the instrument panel crossmember assembly.
1. Installation is in the reverse order of removal.

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