

8.8 - 13.7 N.m (0.9 - 1.4 kgf.m, 6.5 - 10.1 lb-ft)



4. Install in the reverse order of removal.

NOTICE

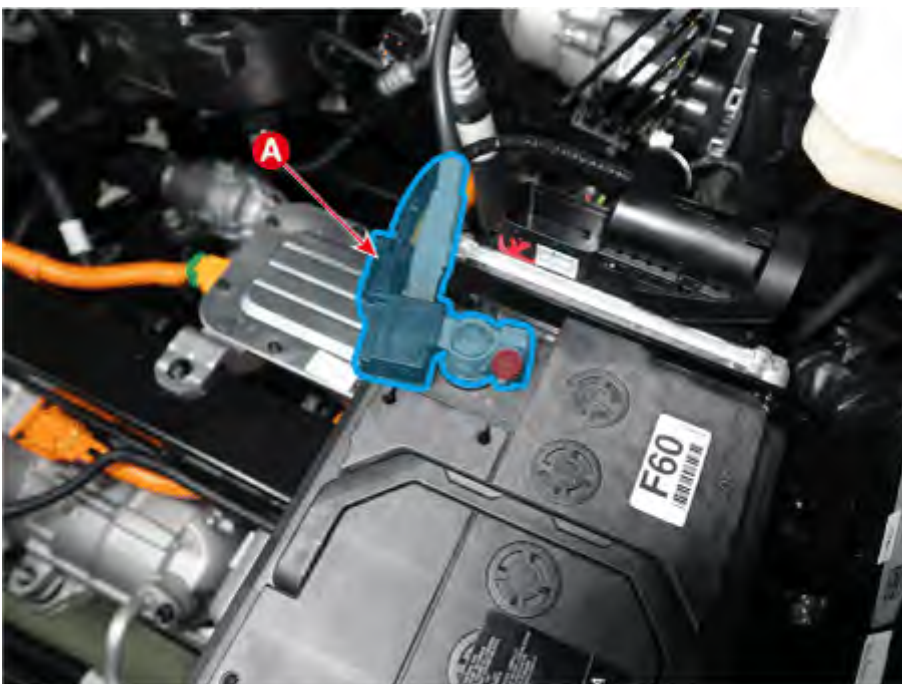
- When installing the battery, fix the mounting bracket on the tray correctly.

Battery Sensor

1. Turn OFF the ignition switch.
2. Remove the front trunk.
(Refer to Body (Interior / Exterior / Electrical) - "Front Trunk")
3. Disconnect the auxiliary 12V battery (-) terminal (A).

Tightening torque :

7.8 - 9.8 N.m (0.8 - 1.0 kgf.m, 5.8 - 7.2 lb-ft)



4. Disconnect the battery sensor connector (A).
-

REMOVAL

1. Loosen the front wheel nuts slightly.
Raise the vehicle, and make sure it is securely supported.

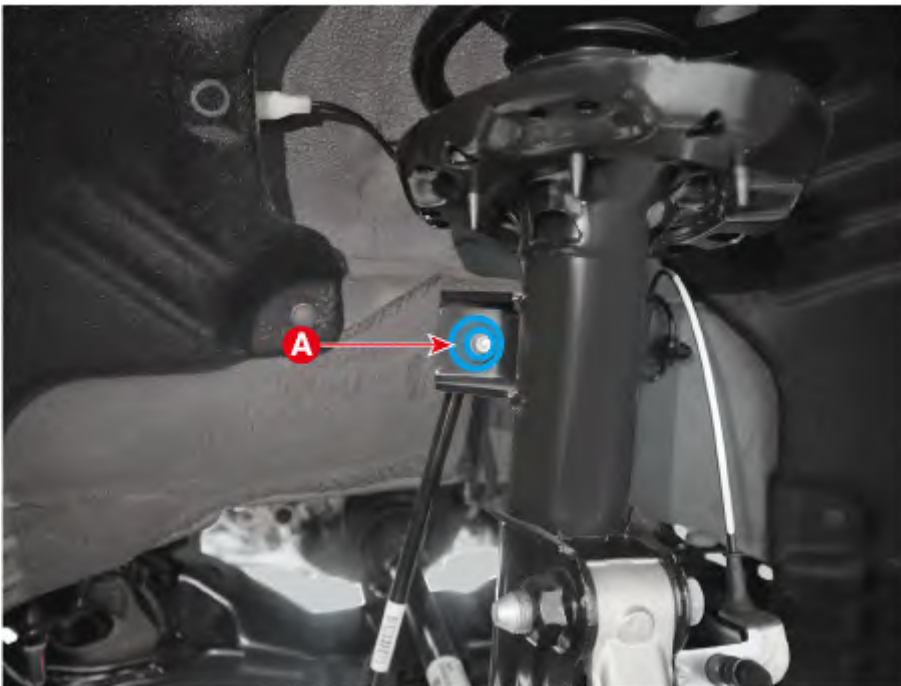
⚠ CAUTION

- When lifting a vehicle using a lift, be careful not to damage the lower parts of the vehicle (floor under cover, battery).
(Refer to General Information - "Lift and Support Points")

2. Remove the front wheel and tire.
(Refer to Tires/Wheels - "Wheel")
3. Remove the front under cover.
(Refer to Motor and Reduction Gear System - "Front Under Cover")
4. Separate the stabilizer link from the front strut assembly after removing the nut (A).

Tightening torque :

98.1 - 117.7 N.m (10.0 - 12.0 kgf.m, 72.3 - 86.8 lb-ft)



NOTICE

- When removing the nut, fix the outer hexagon of stabilizer bar link.
- Be careful not to damage the stabilizer link boots.

5. Remove the stabilizer bar after removing the bolts (A).

Tightening torque :

44.1 - 53.9 N.m (4.5 - 5.5 kgf.m, 32.5 - 39.8 lb-ft)

[LH]

8. Separate the universal joint from the pinion shaft after removing the bolt (A).

Tightening torque :

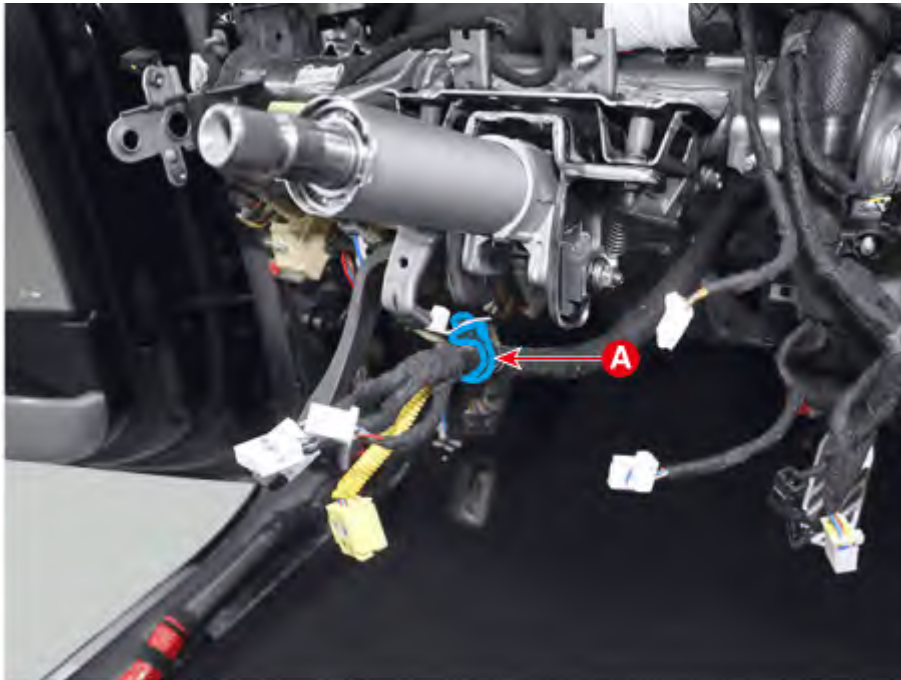
49.0 - 58.8 N.m (5.0 - 6.0 kgf.m, 36.2 - 43.4 lb-ft)



NOTICE

- Secure the steering wheel so that it does not move.
- Do not reuse the steering universal joint bolt.
- When the steering wheel moves, the cable inside the clock spring may be damaged, so keep it neutral.

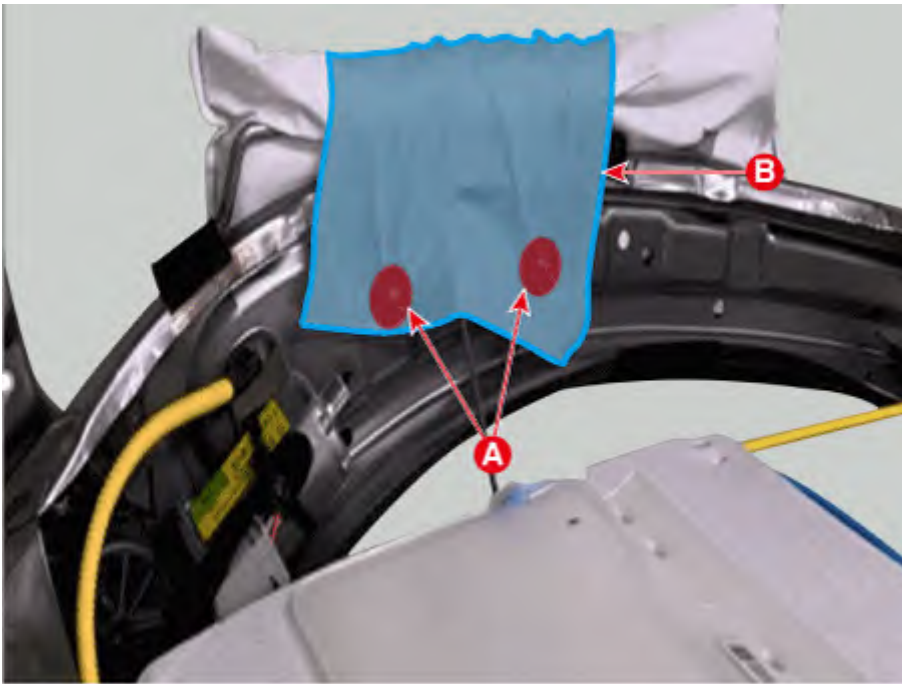
9. Remove the wiring clip (A).



10. Remove the steering column dust cover after removing the nuts (A).

Tightening torque :

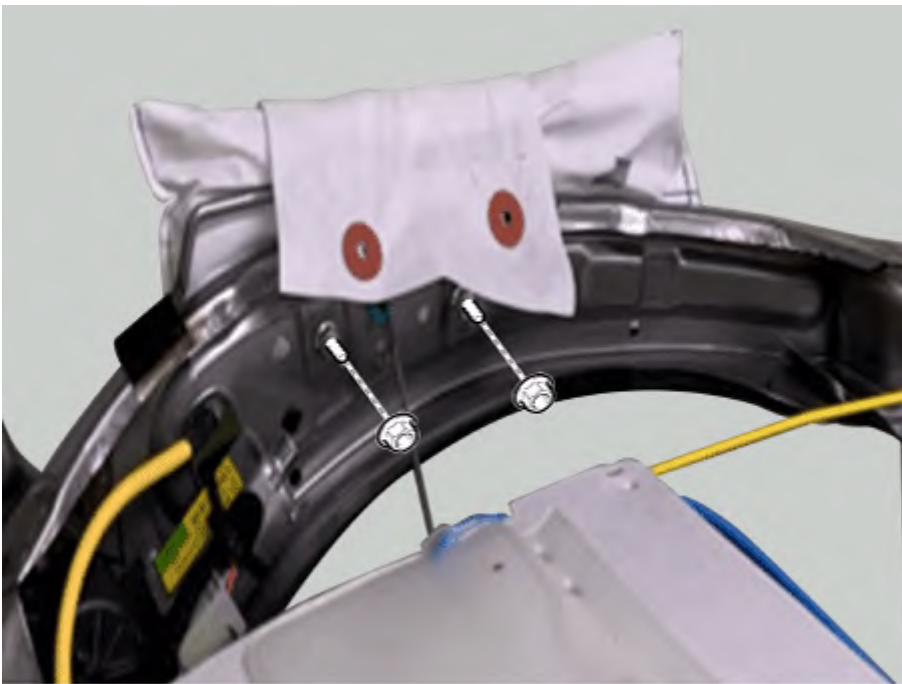
16.6 - 21.5 N.m (1.7 - 2.2 kgf.m, 12.3 - 15.9 lb-ft)



5. Remove the CSAB (A), after removing the nuts.

Tightening torque :

5.9 - 7.8 N.m (0.6 - 0.8 kgf.m, 4.3 - 5.8 lb-ft)



REMOVAL

⚠ WARNING

- Be sure to read and follow the "General Safety Information and Caution" before doing any work related with the high voltage system. Failure to follow the safety instructions may result in serious electrical injuries.
- Be sure to shut off the high voltage circuit according to the "High Voltage Shut-off Procedures" before doing any work related with the high voltage system to avoid serious electrical injuries.

⚠ CAUTION

- When lifting the vehicle using a lift, be careful not to damage the lower parts of the vehicle. (floor under cover, battery)
(Refer to General Information - "Lift and Support Points")

NOTICE

- Use fender covers to avoid damaging painted surfaces.
- To avoid damage, unplug the wiring connectors carefully while holding the connector portion.
- when do any work related with the quick connector, press out the quick connector clamp (A) and disconnect the quick connector clamp (A) in the direction of the arrow.
- Do not touch and disconnect the inside rubber seal (B).

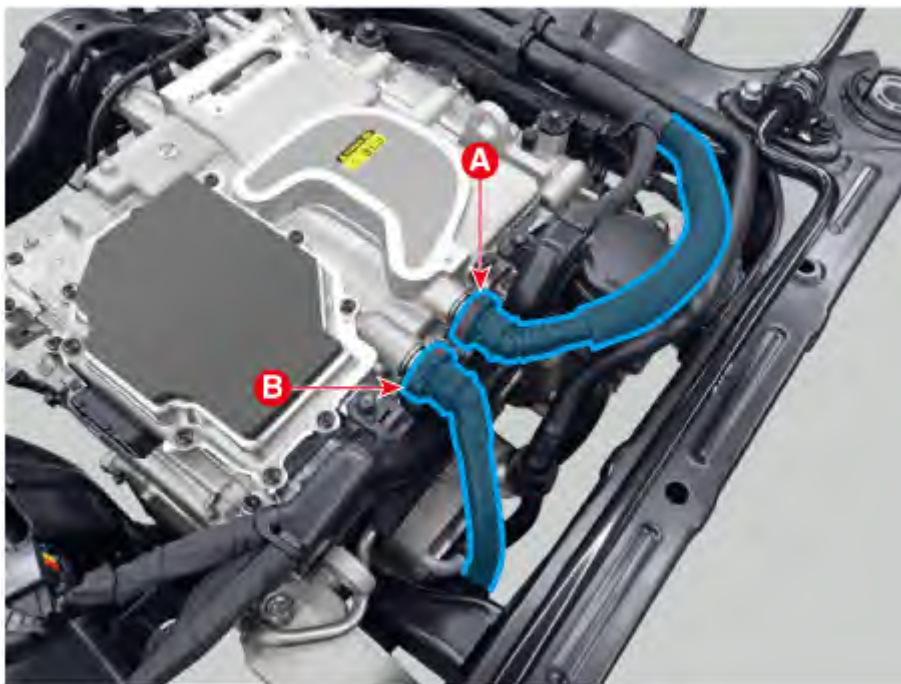


Information

- Mark all wiring and hoses to avoid misconnection.

Front LH Motor and Reduction Gear Mounting Bracket Assembly

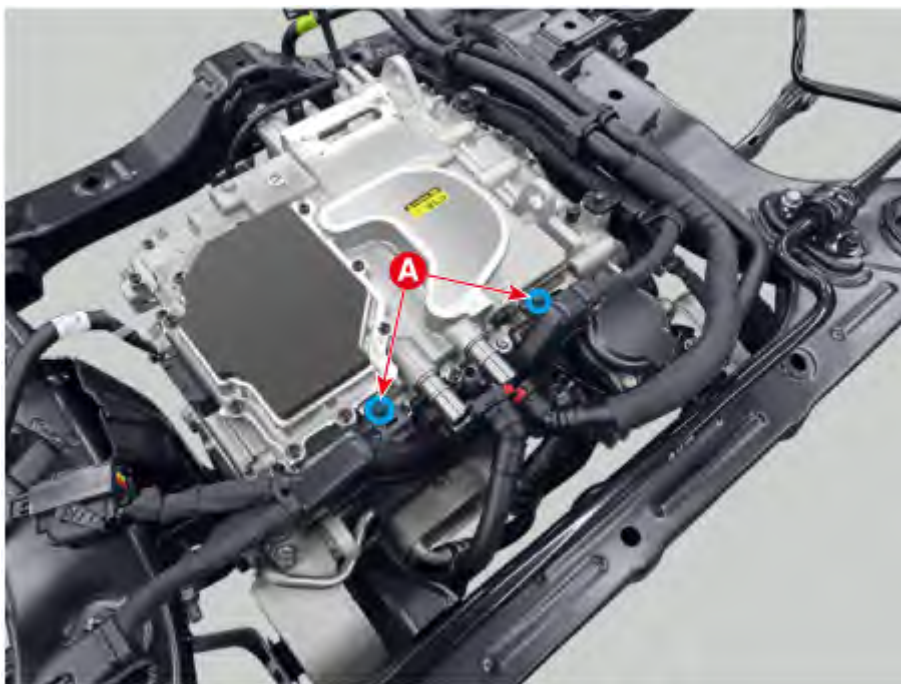
1. Shut off the high voltage circuit.



6. Remove the wiring bracket bolts (A).

Tightening torque :

9.8 - 11.8 N.m (1.0 - 1.2 kgf.m, 7.2 - 8.7 lb-ft)



7. Remove the inverter assembly (A) after removing the bolts.

REMOVAL

⚠ CAUTION

- When removing with a flat-tip screwdriver or remover, wrap protective tape around the tools to prevent damage to components.
- Put on gloves to prevent hand injuries.
- Plug or cap the lines immediately after disconnecting them to avoid moisture and dust contamination.

NOTICE

- Take care not to bend or scratch the trim and panels.

1. Disconnect the 12V battery (-) terminal.
(Refer to Vehicle Control System - "Auxiliary Battery (12V)")
2. Recover the refrigerant with a recovery / charging station.
(Refer to Air Conditioning System - "Refrigerant Recovery/Recycling/Charging/Vacuum")
3. Remove the front trunk.
(Refer to Body (Interior / Exterior / Electrical) - "Front Trunk")
4. Disconnect the A/C temperature sensor connector (A).



5. Remove the A/C temperature sensor (A).

Tightening torque :

9.8 - 11.8 N.m (1.0 - 1.2 kgf.m, 7.2 - 8.7 lb-ft)

REMOVAL

⚠ CAUTION

- When removing with a flat-tip screwdriver or remover, wrap protective tape around the tools to prevent damage to components.
- Put on gloves to prevent hand injuries.
- Plug or cap the lines immediately after disconnecting them to avoid moisture and dust contamination.

NOTICE

- Take care not to bend or scratch the trim and panels.

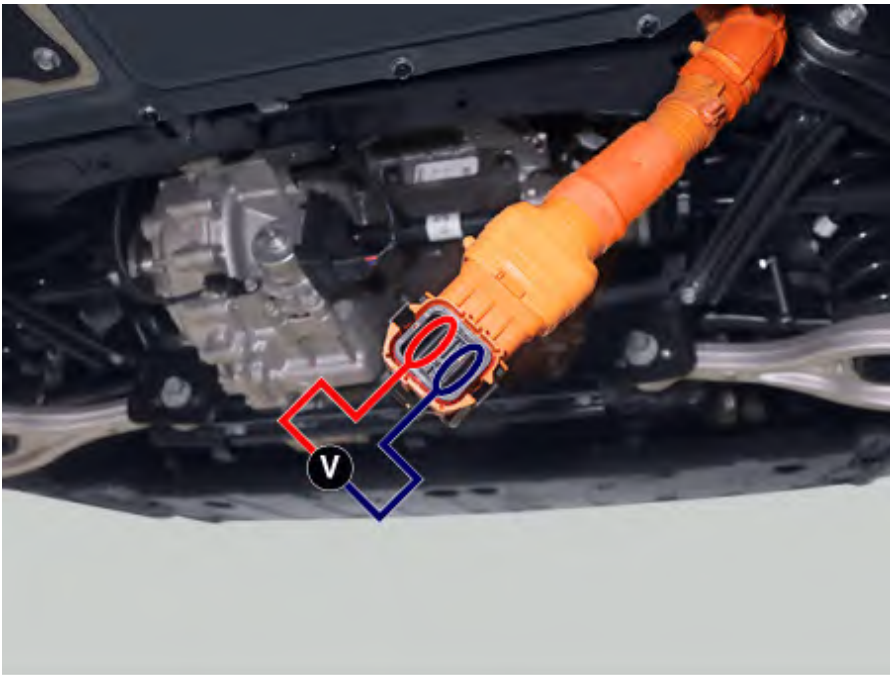
1. Disconnect the 12V battery (-) terminal.
(Refer to Vehicle Control System - "Auxiliary Battery (12V)")
2. Recover the refrigerant with a recovery / charging station.
(Refer to Air Conditioning System - "Refrigerant Recovery/Recycling/Charging/Vacuum")
3. When the motor is cool, drain the motor coolant from the radiator.
(Refer to Cooling System - "Motor Coolant")
4. Remove the front trunk.
(Refer to Body (Interior / Exterior / Electrical) - "Front Trunk")
5. Separate the water condenser hoses (A).





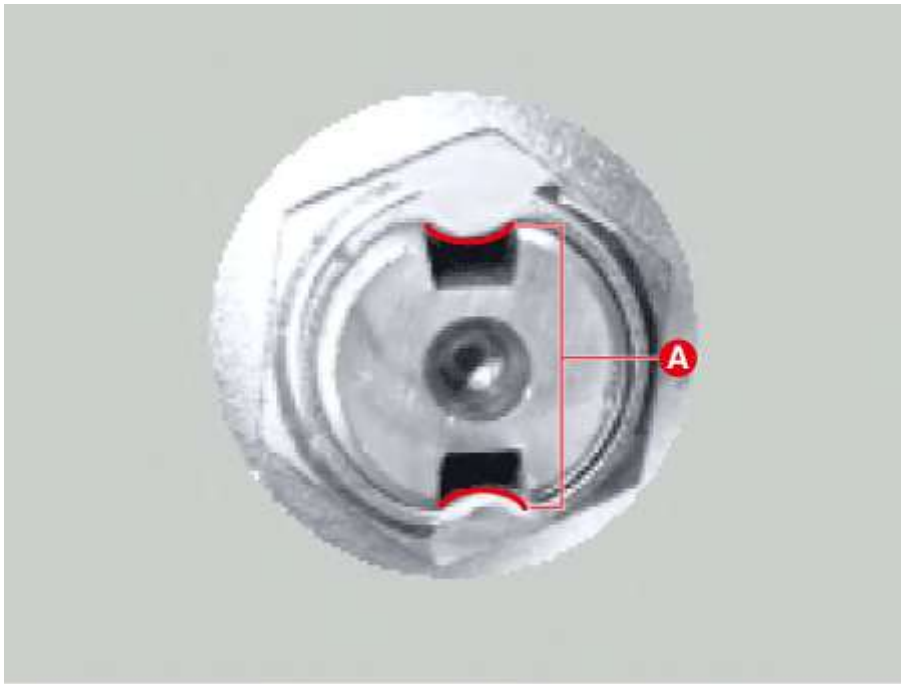
(8) Measure the voltage between the rear inverter terminals.

Normal : 30V or Below



8. Measure the voltage of the rear high voltage connectors of the high voltage system assembly to check if the power relay assembly is properly welded.

Normal : 0V



9. Remove the dust cover (A) after removing the bolts.

Tightening torque :

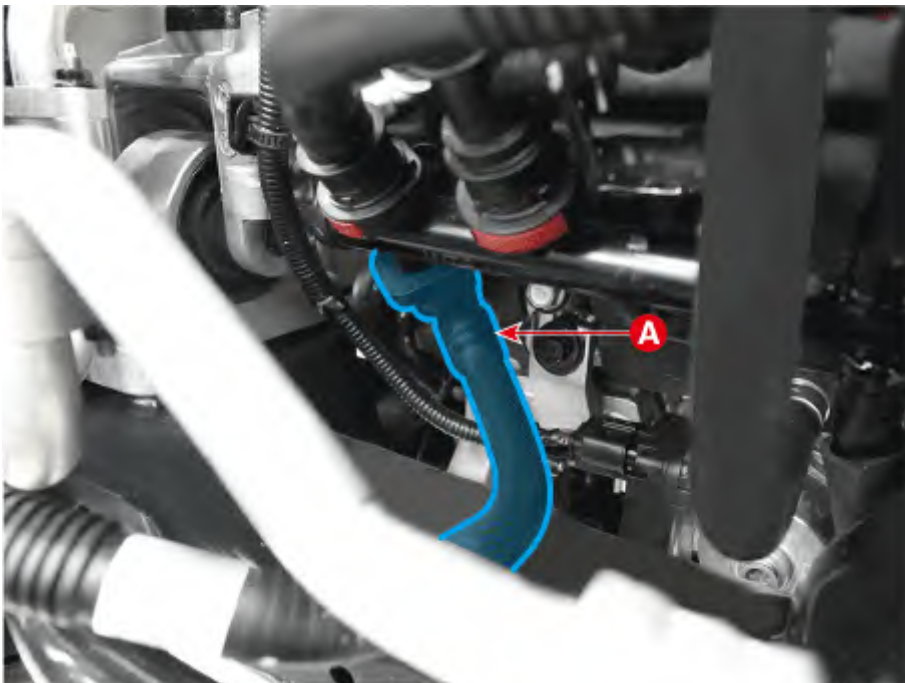
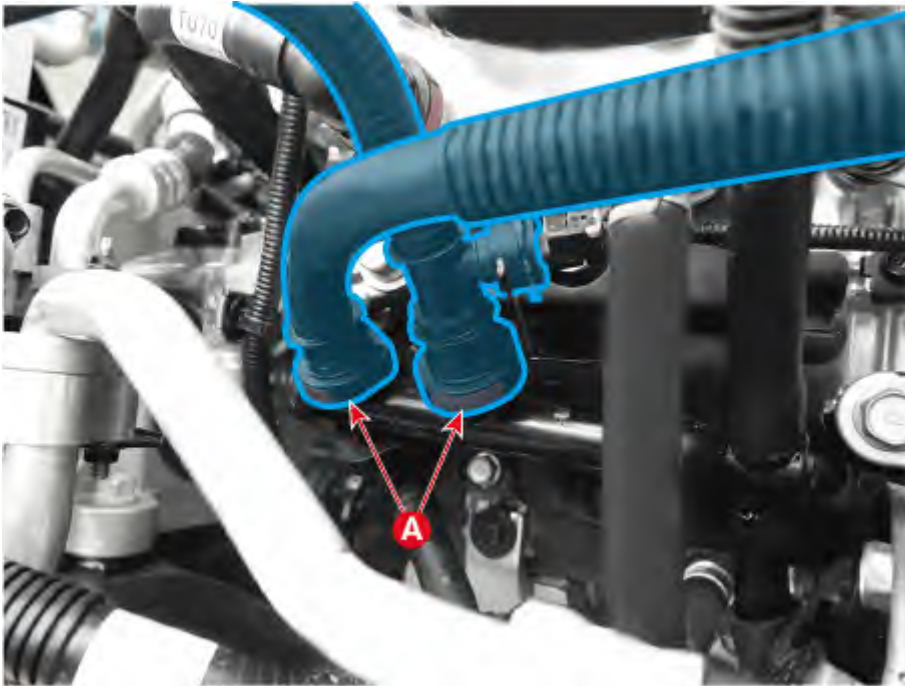
6.9 - 10.8 N.m (0.7 - 1.1 kgf.m, 5.1 - 8.0 lb-ft)



10. Remove the split pin and nut (A).

Tightening torque :

98.1 - 117.7 N.m (10.0 - 12.0 kgf.m, 72.3 - 86.8 lb-ft)



9. Remove the coolant distribution pipe (A) after removing the bolts.

Tightening torque :

7.8 - 11.8 N.m (0.8 - 1.2 kgf.m, 5.8 - 8.7 lb-ft)

REMOVAL

[Front Brake Line]

1. Open the reservoir cap (A) and then drain the brake fluid from the reservoir tank using tools like a brake fluid syringe.



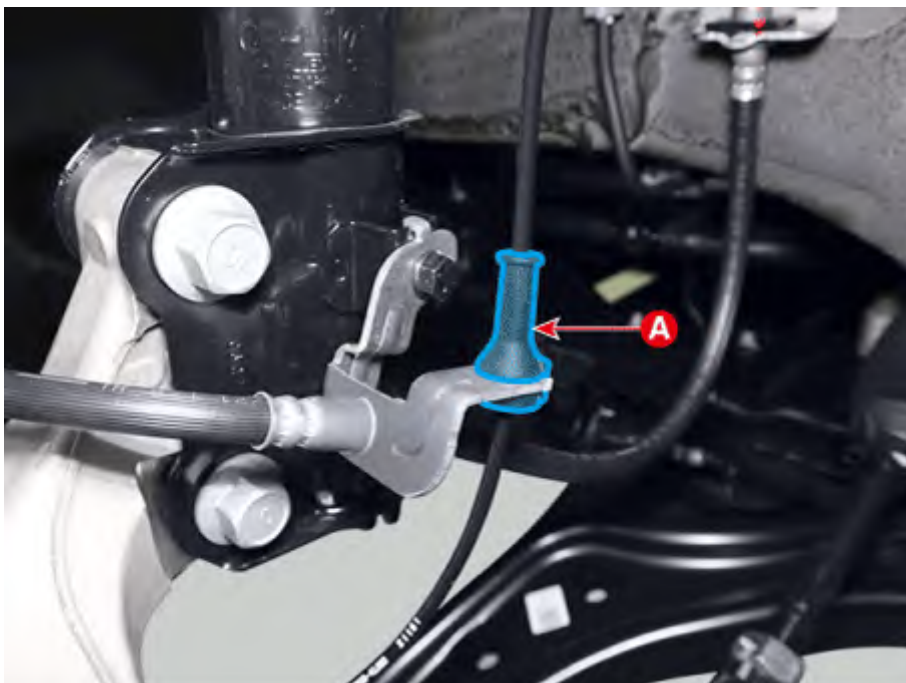
CAUTION

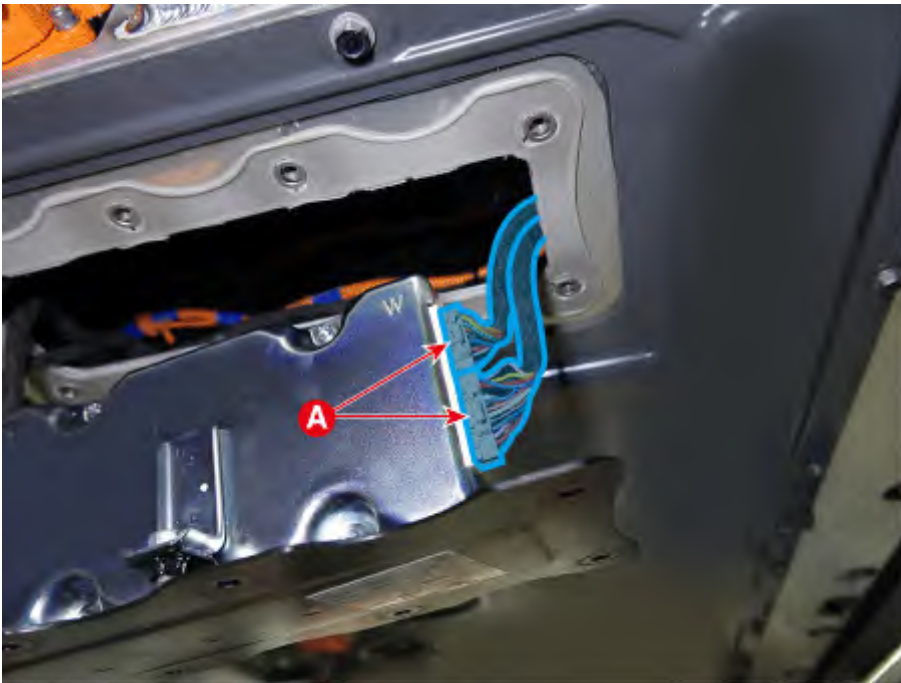
- Do not spill brake fluid on the vehicle, it may damage the paint; if brake fluid does contact the paint, wash it off immediately with water.
- Make sure no dirt or other foreign matter is allowed to contaminate the brake fluid.

2. Remove the front wheel and tires.

(Refer to Suspension System - "Wheel")

3. Remove the front wheel speed sensor line grommet (A).





5. Remove the BMU (A) after removing the mounting bolt & nuts.

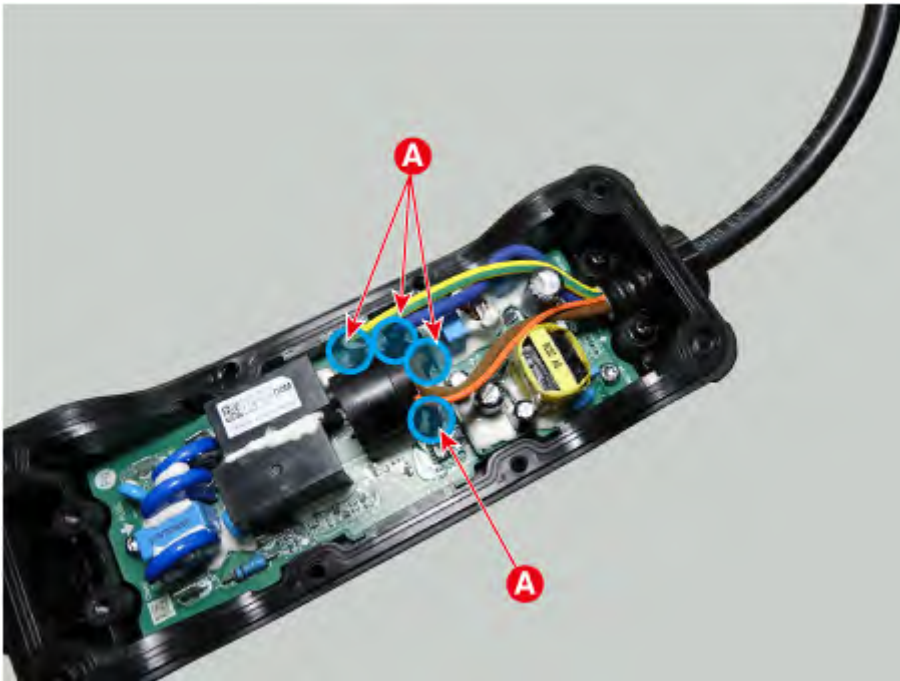
Tightening Torque :

1st step : 8.8 N.m (0.9 kgf.m, 6.5 lb-ft)

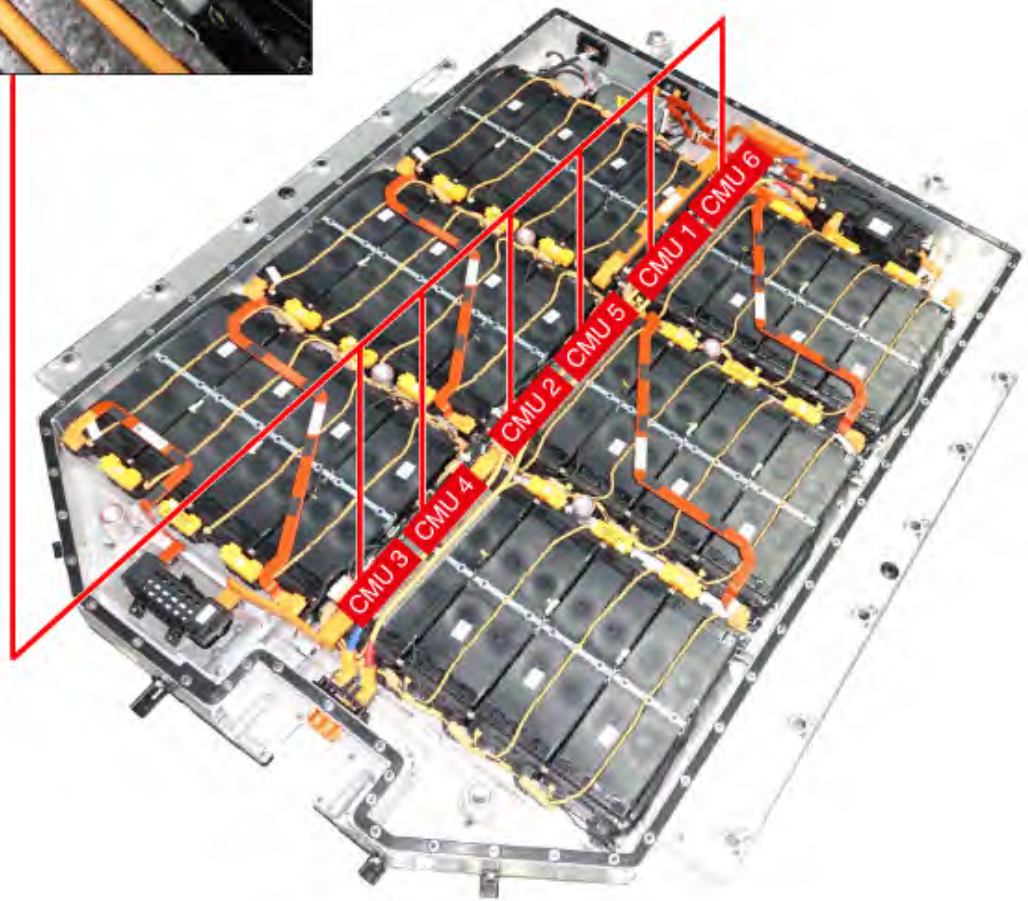
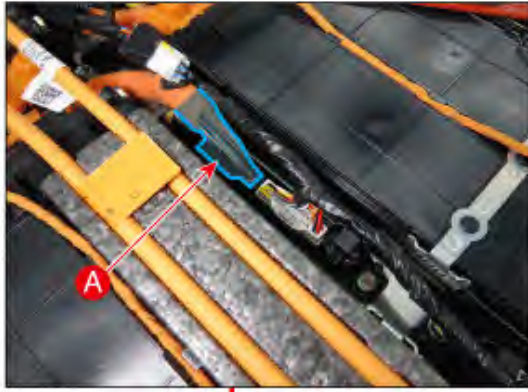
2nd step : 10.8 N.m (1.1 kgf.m, 8.0 lb-ft)



2. Disconnect the warning pin (A).



3. Remove the output cable band (A) after loosening mounting screws.



13. Install in the reverse order of removal.

Battery System Assembly (BSA) Temperature Sensor