

Removal

NOTICE

Be sure to shift gear to Neutral by Actuation Test procedure using the diagnostic tool before removing gear actuator assembly.

WARNING

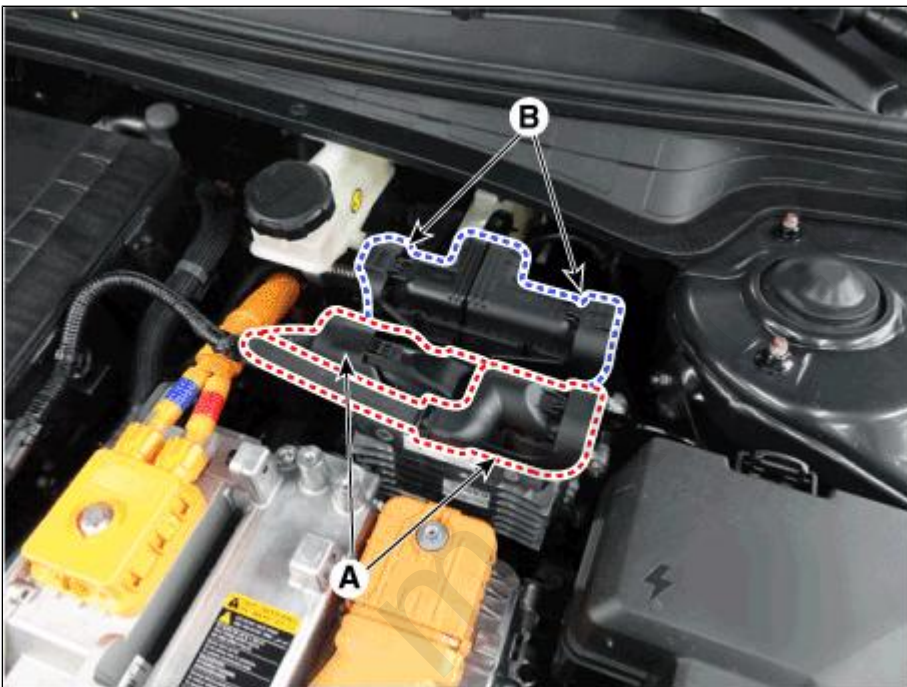
Be sure to read and follow the "General Safety Information and Caution" before doing any work related with the high voltage system. Failure to follow the safety instructions may result in serious electrical injuries.

NOTICE

Use fender covers to avoid damaging painted surfaces.

To avoid damage, unplug the wiring connectors carefully while holding the connector portion.

1. Shut off the High Voltage circuit.
(Refer to General Information - "High Voltage Shutoff Procedure")
2. Disconnect the TCM connector (A) and ECM connector (B).



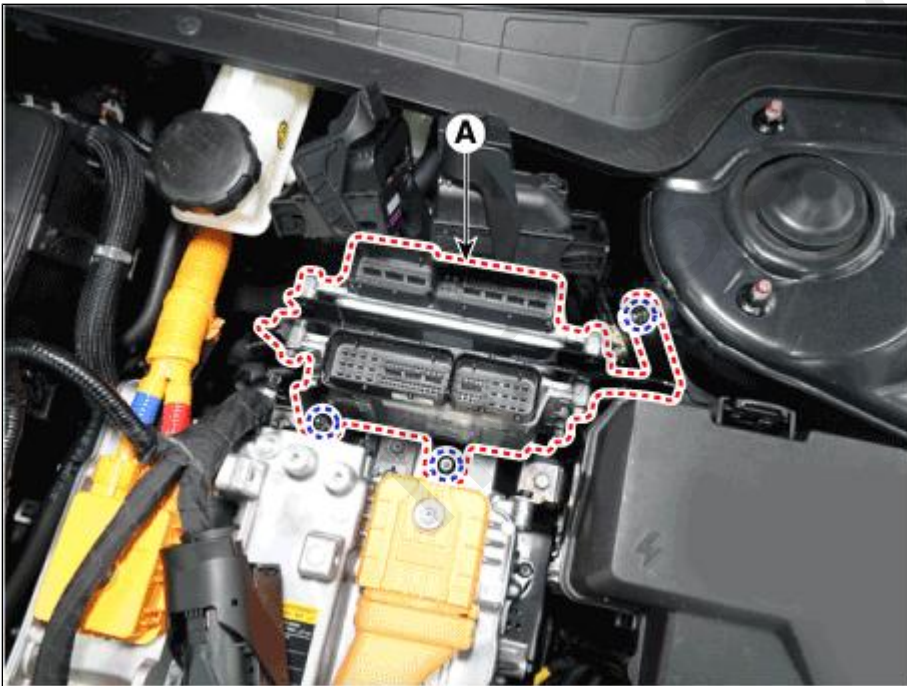
3. Separate the wiring clip (A).



4. Loosen the nuts and then removing the TCM & ECM bracket assembly (A).

Tightening torque :

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



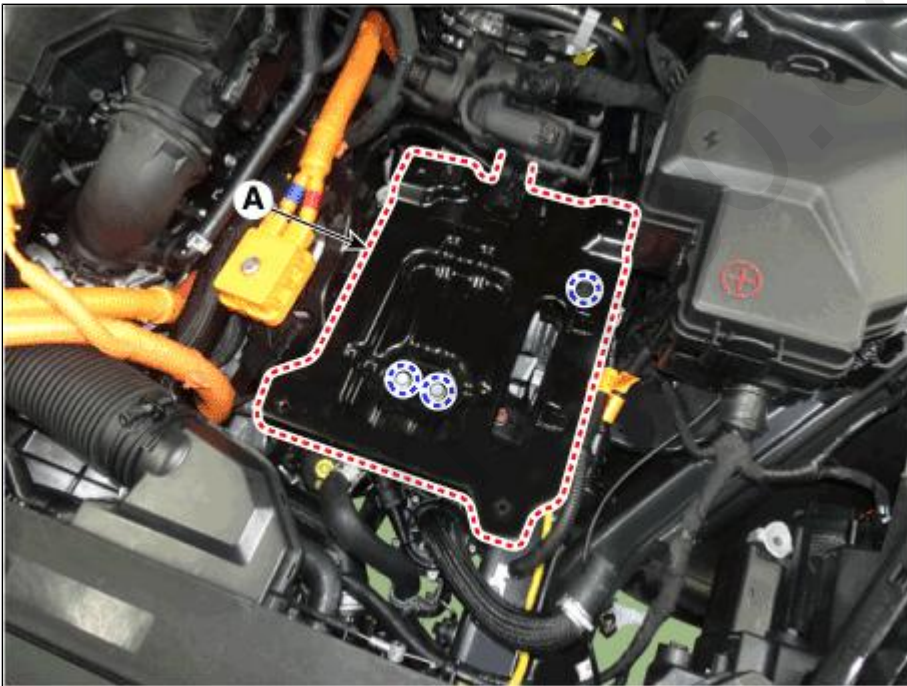
5. Remove the HPCU(Hybrid Power Control Unit).
(Hybrid Control System - "HPCU (Hybrid Power Control Unit)")
6. Separate the wiring clip (A).



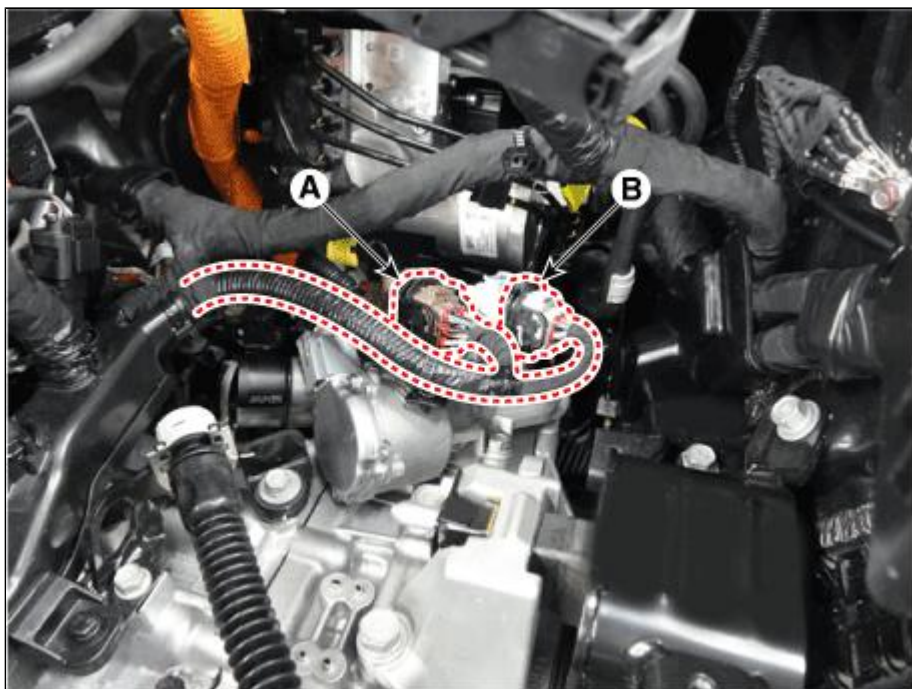
7. Loosen the mounting bolts and the clips and then removing the HPCU tray (A).

Tightening torque :

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



8. Disconnect the gear actuator motor connector (A) and the solenoid connector (B).

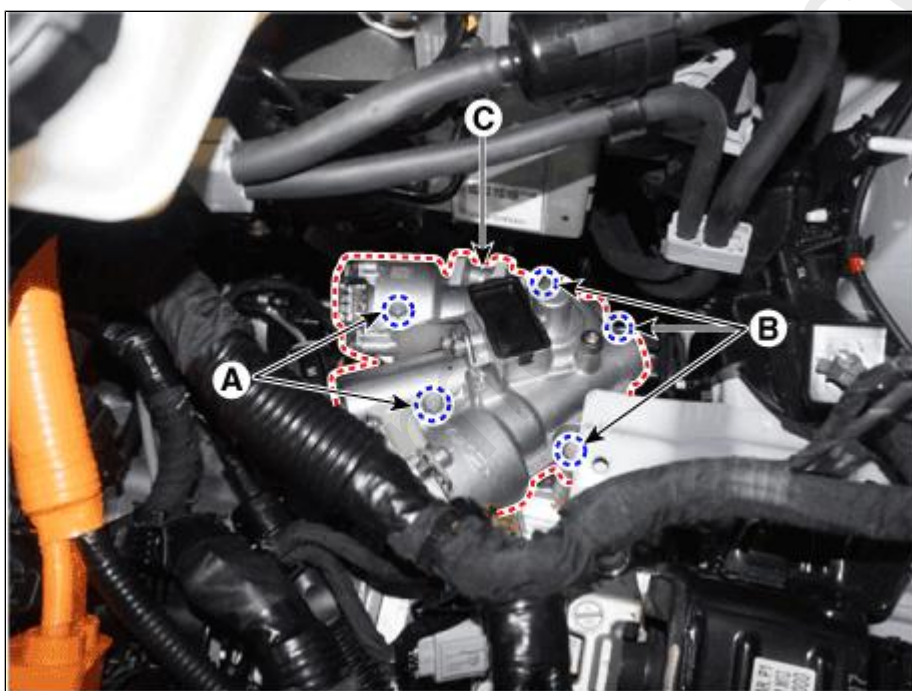


9. Loosen the bolts (A, B) and then removing the gear actuator assembly (C).

Tightening torque:

(A) 19.6 - 26.5 N.m (2.0 - 2.7kgf.m, 14.5 - 19.5 lb-ft)

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



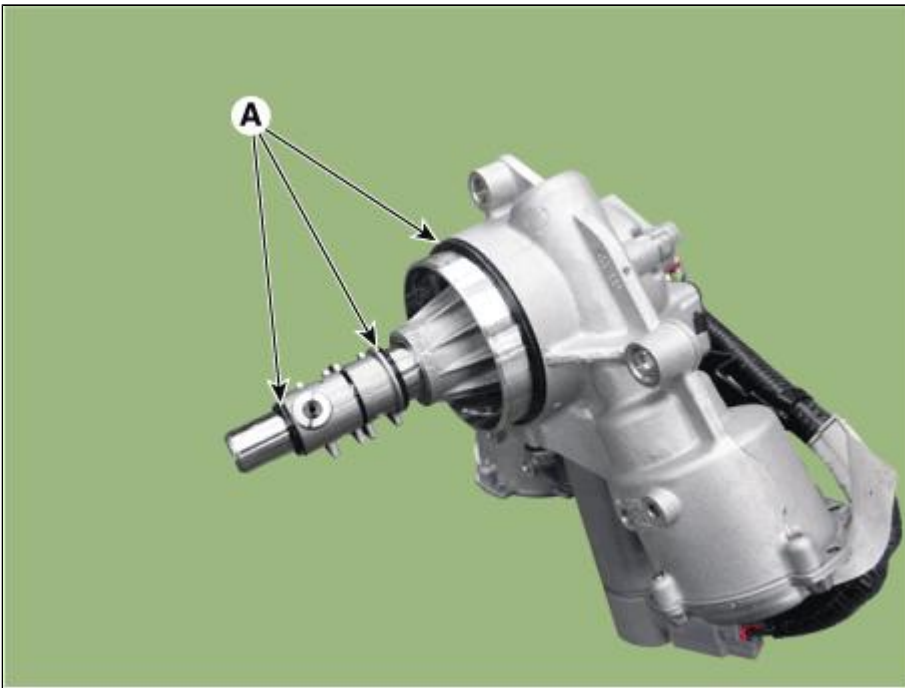
Installation

1. To install, reverse the removal procedures.

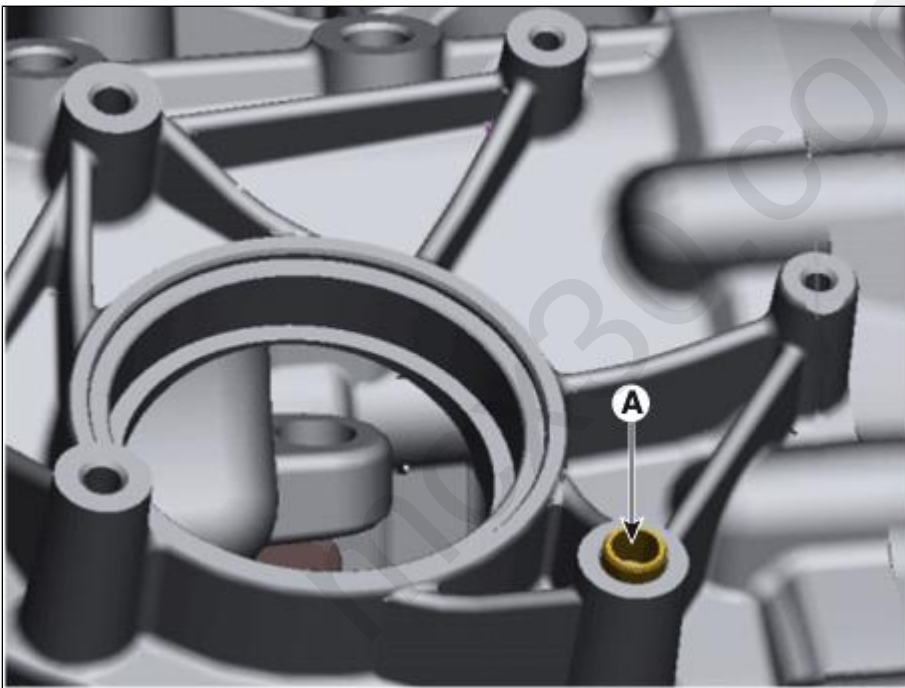
NOTICE

Check the details below before installing the gear actuator assembly.

- 1) Check that the gear actuator is placed in the "neutral" state.
- 2) Check the assembled state of the O-rings (A).



- 3) Apply gear oil to the surface of O- rings.
- 4) Check the assembled state of the dowel pin (A).



Perform the gear actuator learning procedure using the diagnostic tool after replacing the gear actuator assembly.



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