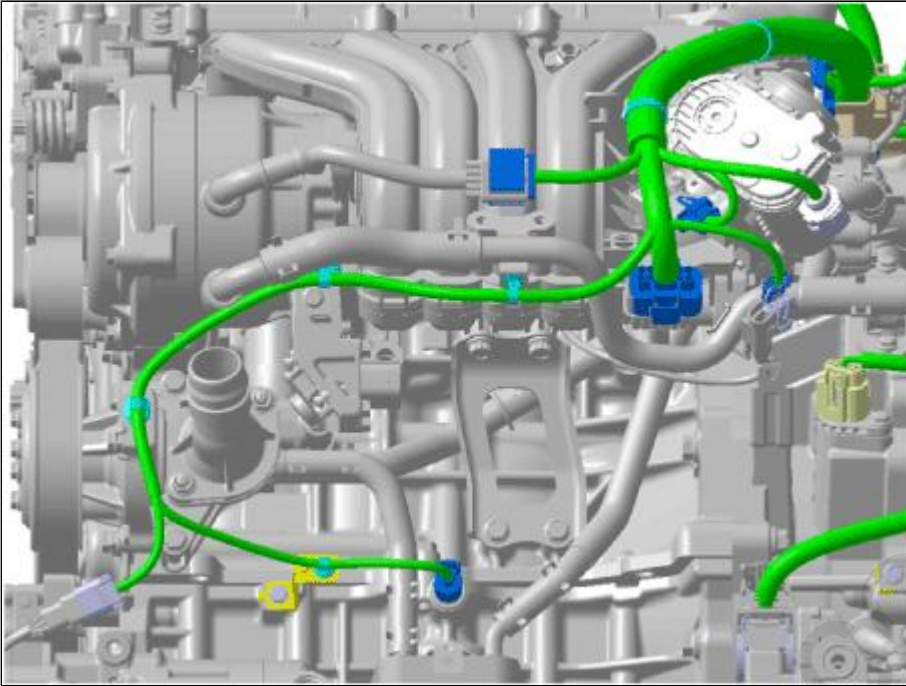


Removal and Installation

1. Disconnect the battery positive terminal.
2. Remove the air cleaner assembly.
(Refer to Intake and Exhaust System - "Air Cleaner")
3. Disconnect the wiring connectors and harness clamps and remove the wiring protector around the intake manifold.



4. Disconnect the hybrid starter generator (HSG) coolant hose and pipe (A).



5. Disconnect the positive crankcase ventilation (PCV) hose (A).



6. Remove the electronic throttle control (ETC) module.
(Refer to Engine Control / Fuel System - "Electronic Throttle Control (ETC)")
7. Remove the intake manifold stay (A).

Tightening torque :

18.6 - 23.5 N.m (1.9 - 2.4 kgf.m, 13.7 - 17.4 lb-ft)



8. Remove the EGR cooler pipe C bolts (A).

Tightening torque :

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



9. Remove the intake manifold (A) with the gasket.

Tightening torque :

18.6 - 23.5 N.m (1.9 - 2.4 kgf.m, 13.7 - 17.4 lb-ft)



NOTICE

⌘ When installing, replace with new gaskets.

⌀

⌘ When installing the intake manifold, tighten the bolts and nuts with pre-torque first, and then tighten the ⌀ bolts and nuts with specified torque in the sequence shown.



10. Install in the reverse order of removal.

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