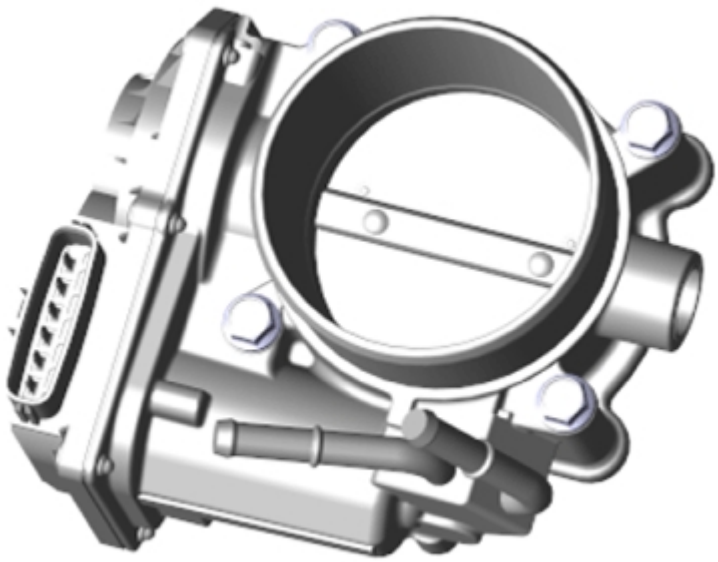
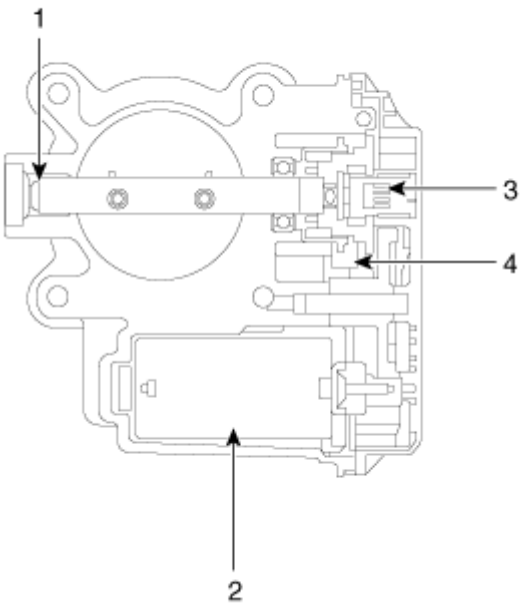
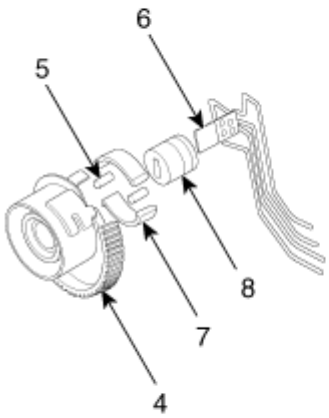
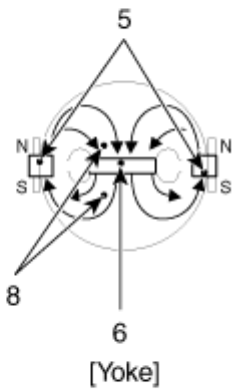
DESCRIPTION

The Electronic Throttle Control (ETC) System consists of a throttle body with an integrated control motor and throttle position sensor (TPS). Unlike the existing mechanical throttle system that controls the throttle valve by using wire cable connected to the accelerator pedal, the ETC system controls the opening and closing of the throttle valve by the ECM with ETC motor according to the APS (Accelerator Position Sensor) signal mounted to electronic accelerator pedal module. The TPS signal is used to provide feedback regarding throttle position to the ECM. Also, the ETC system has the benefit of implementing cruise control function without additional external cruise control modules/cables.







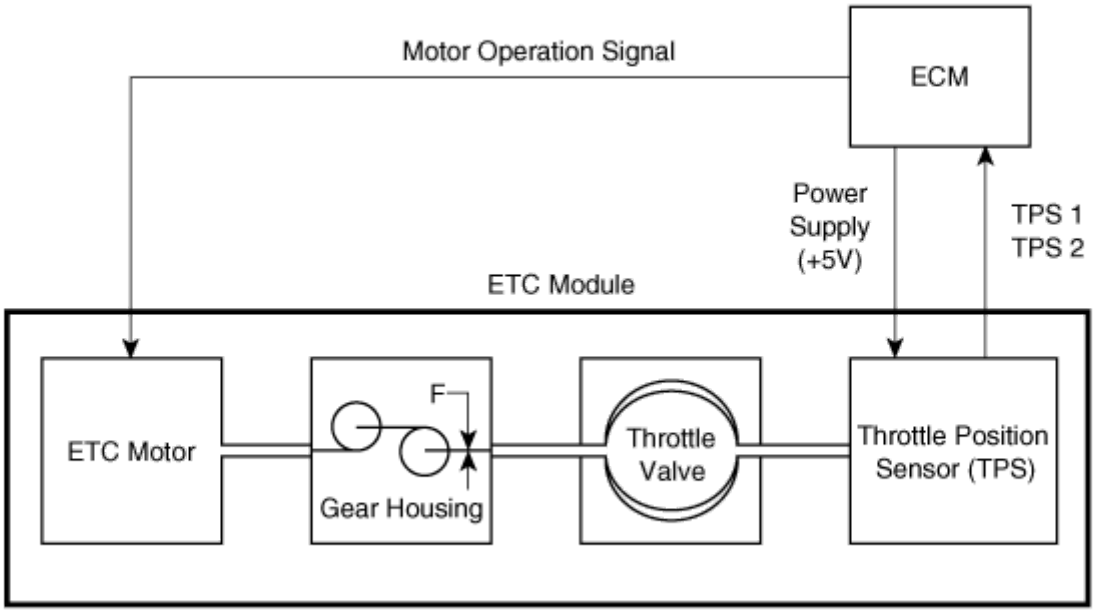


1. Dry bearing
2. DC motor
5. Magnet
6. Hall IC

3. Non-contact hall sensor
4. Gear
7. Yoke
8. Stator

English

SCHEMATIC DIAGRAM



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