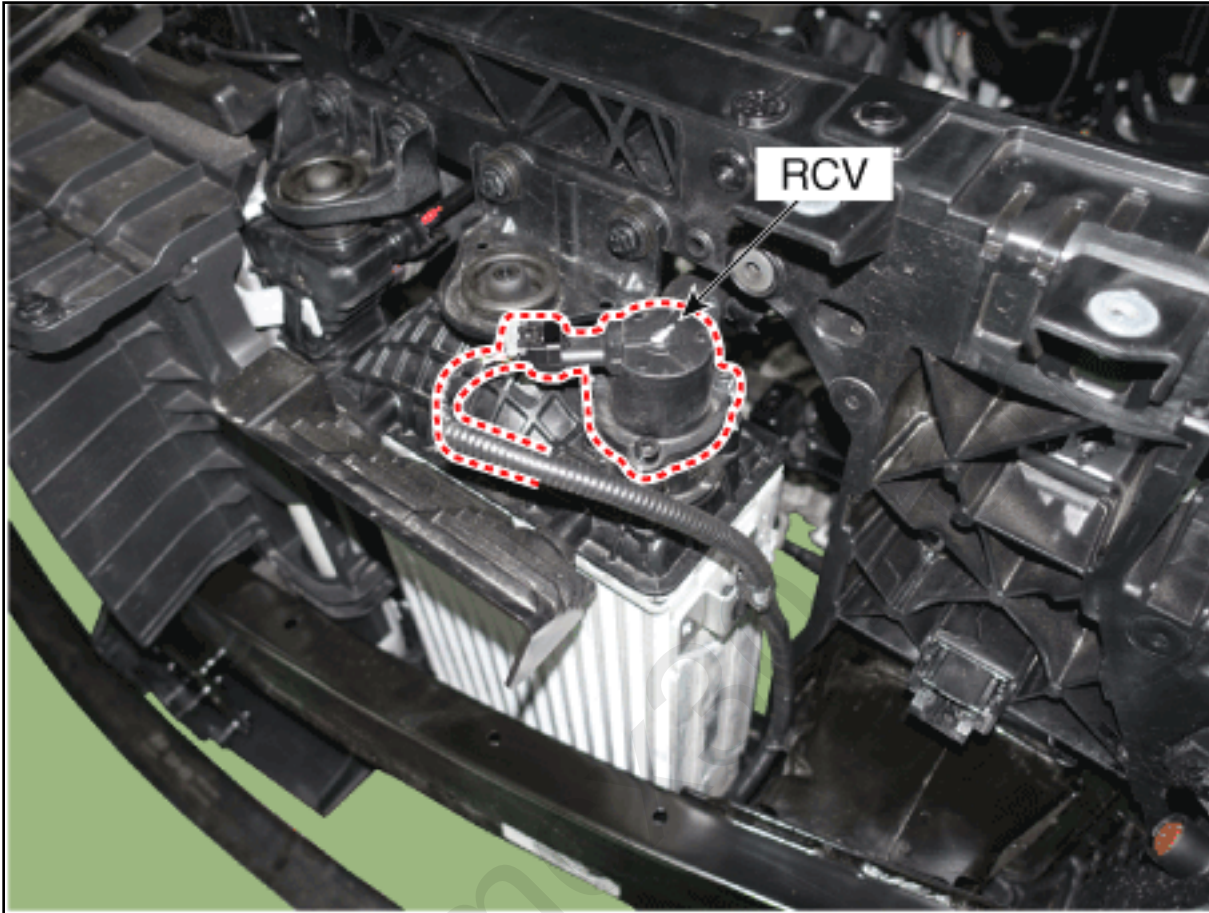


Description

RCV (Recirculation Valve) Control Solenoid Valve is installed on the intercooler inlet pipe and operates the RCV actuator which controls the by-pass passage of the turbocharger compressor. When the throttle is closed, while the engine is running at cruise rpm (tip-out), the turbocharger boost pressure raises rapidly. The pressure wave strikes a compressor blades causing a knocking noise. To prevent this the ECM opens the recirculation valve which allows excessive boost pressure to vent back to the air cleaner side of the turbocharger compressor.

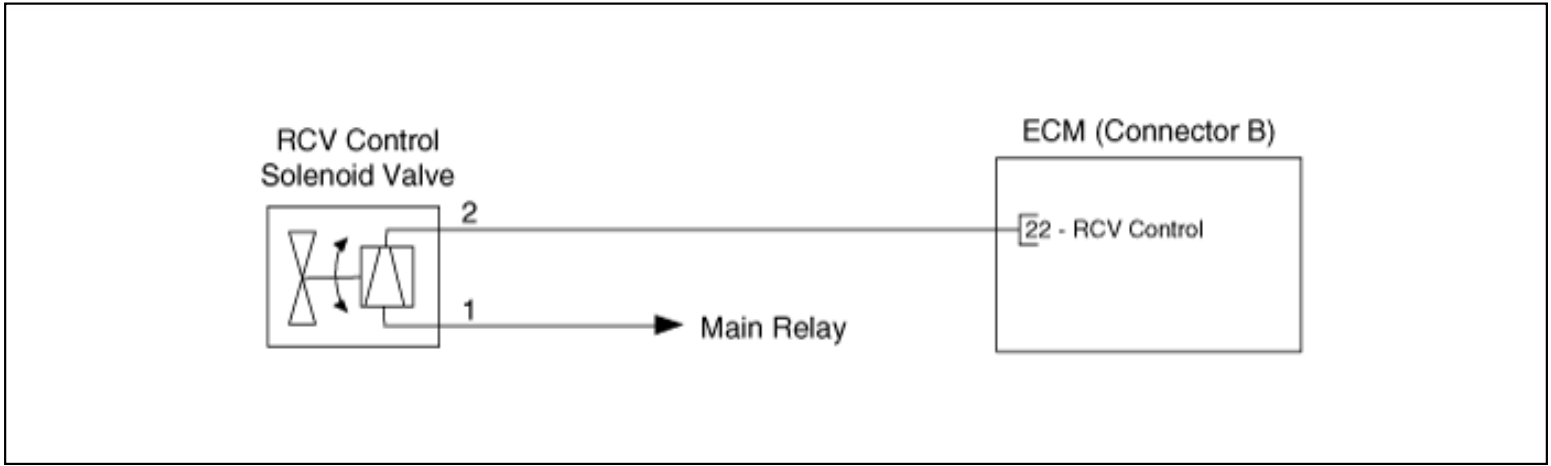


Specification

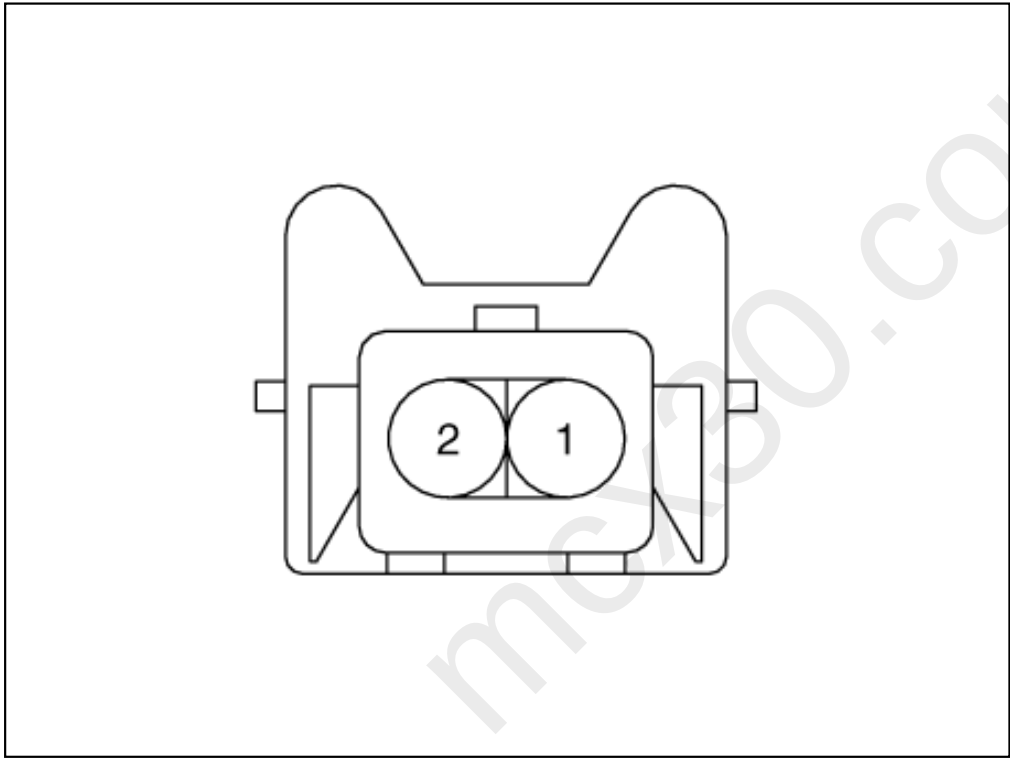
Item	Specification
Coil Resistance (Ω)	28.3 - 31.1 [20°C (68°F)]

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Circuit
Diagram



Harness Connector



Inspection

1. Turn the ignition switch OFF.
2. Disconnect the RCV control solenoid valve connector.
3. Measure resistance between the valve terminals 1 and 2.
4. Check that the resistance is within the specification.

Specification : Refer to "Specification"

Removal

1. Turn the ignition switch OFF and disconnect the battery negative (-) cable.
2. Remove the front bumper assembly.
(Refer to Body (Interior nad Exterior) - "Front Bumper Assembly")
3. Disconnect the RCV control solenoid valve connector (A).
4. Remove the RCV control solenoid valve (B), after loosen mounting bolt.

Tightening Torque :

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



Installation



- Install the component to the specified torques.
- Note that internal damage may occur when the component is dropped. In this case, use it after inspecting.
- Insert the sensor in the installation hole and be careful not to damage it during installation.

1. Install in the reverse order of removal.

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