

## ■ MAJOR DIFFERENCE

### ► From Previous 3L Engine Model ◀

Item	Outline
Engine Proper	<ul style="list-style-type: none"> <li>• The position of the valve in the fully closed state has been relocated closer to the piston to improve the combustion efficiency.</li> <li>• The shape of the combustion chamber has been modified to improve combustion efficiency.</li> <li>• A 4-layer steel laminate type cylinder head gasket, which excels in sealing performance and heat resistance, has been adopted.</li> <li>• The cylinder block has been reinforced and the water jacket has been modified to improve reliability and to reduce noise.</li> <li>• An oil gallery has been provided at the upper part of the piston to improve the piston's cooling performance.</li> <li>• Along with the adoption of the diesel EFI system, a crankshaft position sensor has been provided in the cylinder block, and a protrusion has been provided on the crankshaft to generate a crankshaft position signal.</li> </ul>
Intake and Exhaust System	A step motor type intake restrictor valve has been adopted.
Fuel System	<ul style="list-style-type: none"> <li>• An electronically controlled injection pump has been adopted.</li> <li>• A multiplex layer plastic fuel tank has been adopted on the 5-door with single fuel tank model, and as the main fuel tank on the 5-door with dual fuel tank model.</li> <li>• A jet pump has been newly provided on the dual fuel tank model in order to automatically transfer fuel from the sub fuel tank to the main fuel tank.</li> <li>• A tether has been provided on the fuel tank cap.</li> <li>• The quick-turn type fuel tank cap has been adopted.</li> </ul>
Engine Control	<ul style="list-style-type: none"> <li>• An engine ECU and sensors have been adopted along with the adoption of the diesel EFI system.</li> <li>• Intake restrictor control has been adopted.</li> <li>• The no-contact type accelerator pedal position sensor has been adopted.</li> <li>• The diagnosis system and the fail-safe control have been provided.</li> </ul>