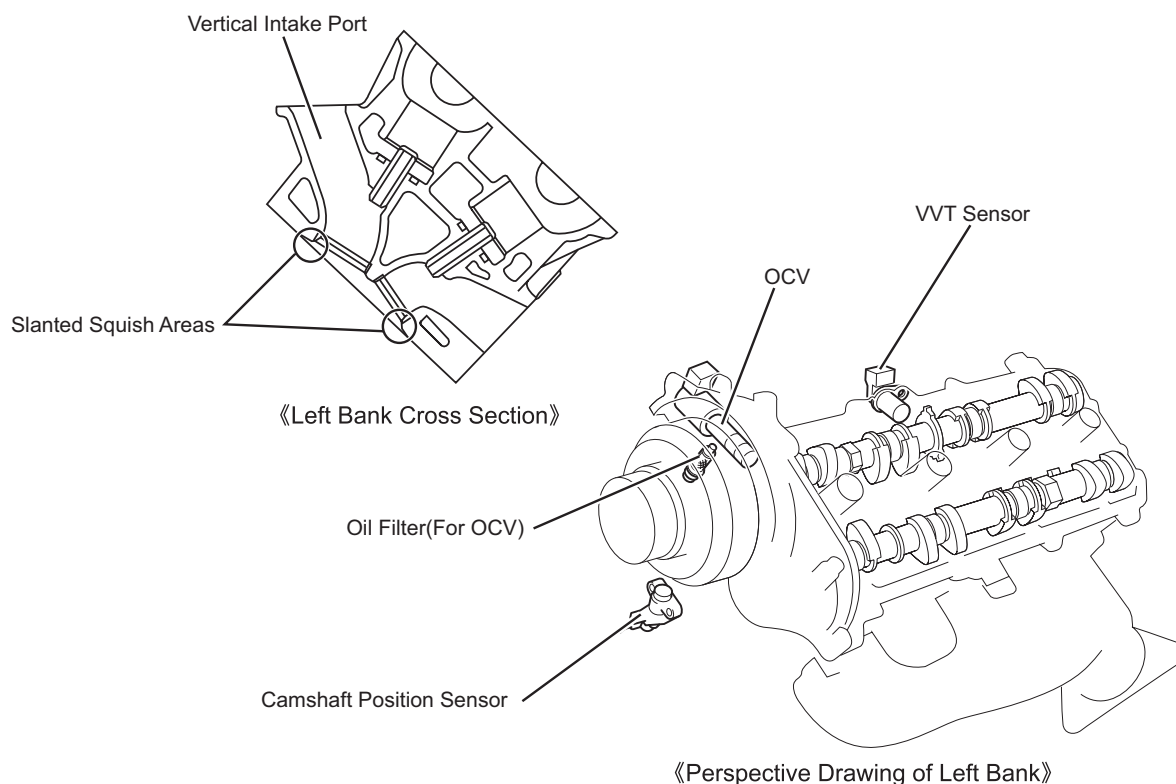


Cylinder Head

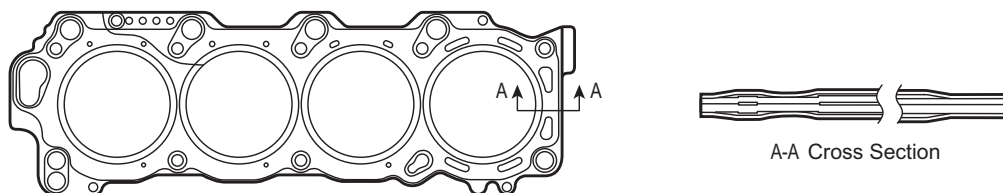
- Pentroof type combustion chambers are used. Thus, the wall surface area of each combustion chamber has been reduced, thus ensuring combustion efficiency in all operating ranges.
- Vertical intake ports are used to ensure intake efficiency.
- Slanted squish combustion chambers are used, ensuring combustion efficiency particularly in the low- to medium-speed range.
- A camshaft position sensor that detects the G2 signal is installed on the camshaft timing pulley on the left bank.
- A VVT sensor is installed between the intake #3 journal and the intake #4 journal.
- Along with the use of the VVT-i, an OCV (Oil Control Valve) for VVT-i control is installed on the camshaft bearing cap on the intake #1 journal. In addition, an oil filter for the OCV is installed between the camshaft bearing cap and the cylinder head.



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Cylinder Head Gasket

- Cross Section Cylinder head gaskets made of four-layer metal are used to improve reliability. In addition, they reduce the deformation of the cylinder bore to suppress oil consumption, improve exhaust gas emissions, and achieve better fuel economy.



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