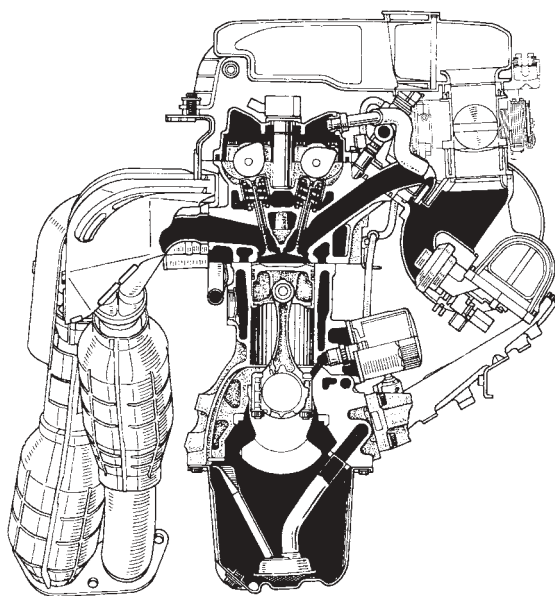


MAIN MECHANISMS

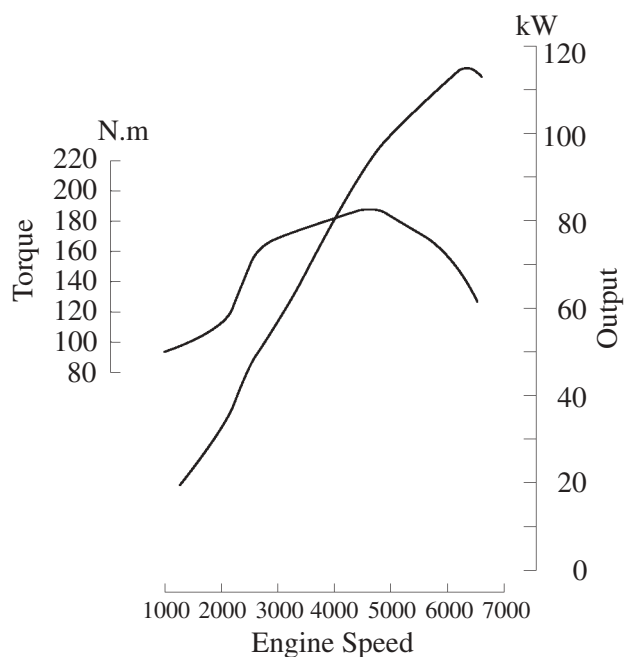
Engine

The LEXUS IS200 uses the 1G-FE, an in-line 6-cylinder DOHC 24-valve 2.0-liter engine.

- It is a highly intelligent engine in which high performance, low noise, and low emission levels are balanced at high levels.
- This engine uses the VVT-i (Variable Valve Timing-intelligent) system to control the timing of the intake valves, resulting in a dramatic improvement in torque and fuel economy.
- The performance in the low- to medium-speed range has been improved through the adoption of the ACIS (Acoustic Control Induction System).
- The weight reduction, low noise, and improved performance of the intake system have been achieved through the adoption of the Module Integrated Intake System.
- Excellent throttle control and vehicle stability in the entire driving range have been achieved through the adoption of the single-valve ETCS-i (Electronic Throttle Control System-intelligent). The ETCS-i controls the ISC (Idle Speed Control) system, cruises control system, TRC (Traction Control), and snow mode.



163MO28

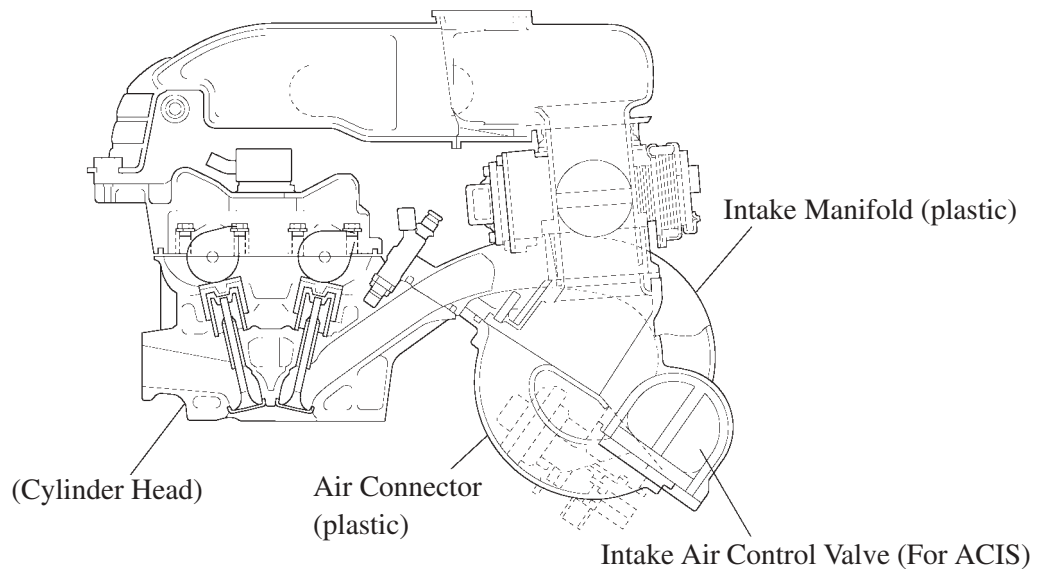


163MO29

◆ Intake System (Module-Integrated)

The functional parts of the intake system have been module-integrated for weight reduction and performance improvement.

- The intake manifold and the air connector are made of plastic to reduce the weight and lower the amount of heat that is transferred from the cylinder head. Lowering the intake temperature in this manner improves the performance of the engine.
- The ACIS (Acoustic Control Induction System) has been adopted to improve the performance of the engine in the low- to medium-speed ranges.

MO

163MO30