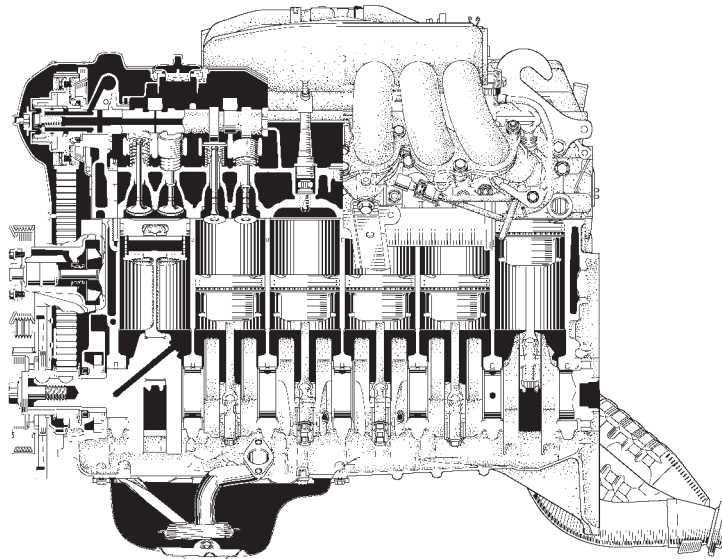


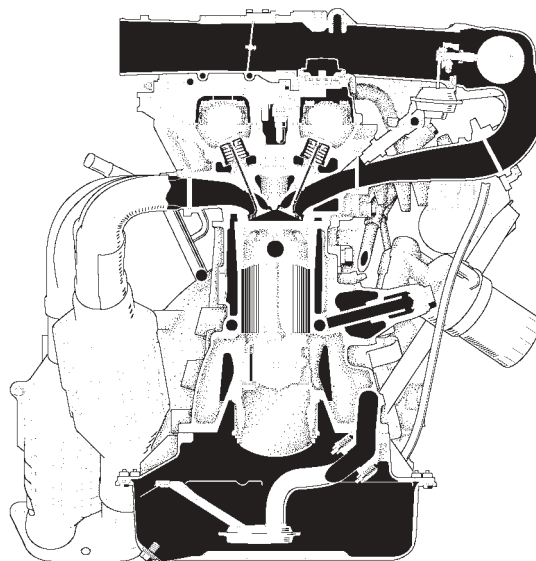
## 2JZ-GE ENGINE

### ■ DESCRIPTION

- The IS300/IS300 SportCross have equipped the 2JZ-GE engine which is in-line 6-cylinder, 3.0-liters, 24-valve DOHC engine.
- The same 2JZ-GE engine is used for IS300 and IS300 SportCross.
- The 2JZ-GE engine has the following systems:
  - 1) VVT-i (Variable Valve Timing-intelligent) system
  - 2) ETCS-i (Electronic Throttle Control System-intelligent)
  - 3) ACIS (Acoustic Control Induction System)
- This engine complies with European STEP III regulation requirements.
- The basic construction and operation are the same as 2JZ-GE engine in the GS300.

**NF**

204EG50



204EG51

## ► Engine Specification ◀

| Model   |     |       | IS300/IS300 SportCross        | GS300              |
|---|-----|-------|-------------------------------|--------------------|
| Engine Type   |     |       | 2JZ-GE                        | ←                  |
| No. of Cyls. & Arrangement                                  |     |       | 6-Cylinder, In-Line           | ←                  |
| Valve Mechanism   |     |       | 24-Valve, DOHC,<br>Belt Drive | ←                  |
| Combustion Chamber  |     |       | Pentroof Type                 | ←                  |
| Manifold  |     |       | Cross-Flow                    | ←                  |
| Fuel System   |     |       | EFI                           | ←                  |
| Displacement                      cm <sup>3</sup> (cu. in.) |     |       | 2997 (182.9)                  | ←                  |
| Bore x Stroke                                  mm (in.)     |     |       | 86.0 x 86.0 (3.39 x 3.39)     | ←                  |
| Compression Ratio   |     |       | 10.5 : 1                      | ←                  |
| Max. Output (EEC)   |     |       | 157 kW @ 5800 rpm             | 163 kW @ 5800 rpm  |
| Max. Torque (EEC)   |     |       | 288 N·m @ 3800 rpm            | 298 N·m @ 3800 rpm |
| Valve Timing  | IN. | Open  | −6° ~ 41° BTDC                | ←                  |
|   |     | Close | 59° ~ 12° ABDC                | ←                  |
|   | EX. | Open  | 40° BBDC                      | ←                  |
|   |     | Close | 6° ATDC                       | ←                  |
| Research Octane Number                                      |     |       | 95 or more                    | ←                  |
| Weight (Dry)                                  kg (lb)       |     |       | 196 (432)                     | ←                  |
| Oil Grade   |     |       | API SL EC or ILSAC GF-3       | ←                  |

## ► Performance Curve ◀

