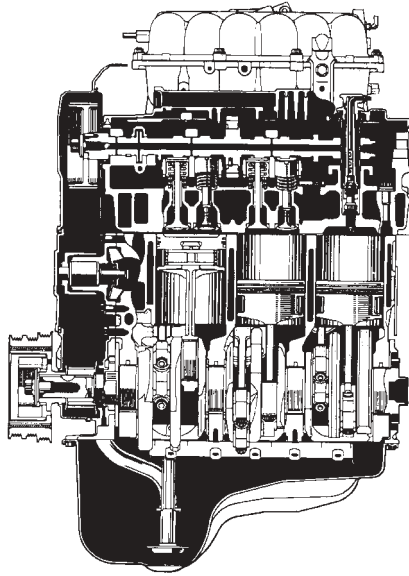


## NEW FEATURES

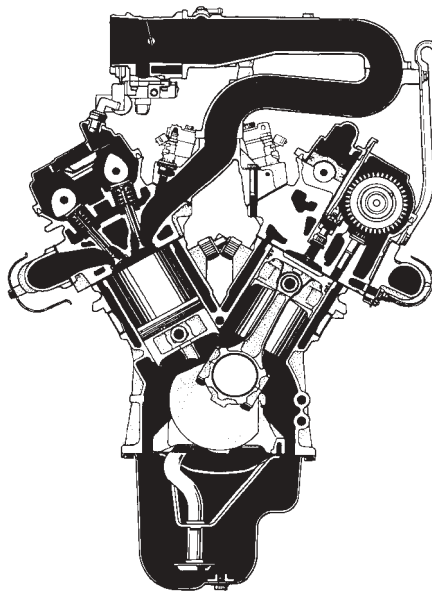
### ■ 5VZ-FE ENGINE

#### 1. General

- The 5VZ-FE engine is a V6, 3.4-liter, 24-valve DOHC engine. This engine meets the European STEP II regulations.
- This engine is based on the 5VZ-FE engine equipped on the previous Land Cruiser Prado (90 series). [See page 305](#) for the major differences of this engine from the previous Land Cruiser Prado (90 series).



164EG01



164EG02

► Engine Specifications ◀

| Model                      |         |                           | New Hilux                            | Previous Land Cruiser Prado<br>(90 series) |
|----------------------------|---------|---------------------------|--------------------------------------|--|
| No. of Cyls. & Arrangement |         |                           | 6-Cylinder, V Type                   | ←  |
| Valve Mechanism            |         |                           | 24-Valve DOHC,<br>Belt & Gear Drive  | ←  |
| Combustion Chamber         |         |                           | Pentroof Type                        | ←  |
| Manifolds                  |         |                           | Cross-Flow                           | ←  |
| Fuel System                |         |                           | EFI                                  | ←  |
| Ignition System            |         |                           | DIS                                  | ←  |
| Displacement               |         | cm <sup>3</sup> (cu. in.) | 3378 (206.1)                         | ←  |
| Bore x Stroke              |         | mm (in.)                  | 93.5 x 82.0 (3.68 x 3.23)            | ←  |
| Compression Ratio          |         |                           | 9.6 : 1                              | ←  |
| Max. Output                |         | SAE-NET                   | 124 kW @ 4600 rpm                    | 132 kW @ 4800 rpm                          |
| Max. Torque                |         | SAE-NET                   | 291 N·m @ 3600 rpm                   | 290 N·m @ 3600 rpm                         |
| Valve Timing               | Intake  | Open                      | 4° BTDC                              | ←  |
|                            |         | Close                     | 42° ABDC                             | ←  |
|                            | Exhaust | Open                      | 46° BBDC                             | ←  |
|                            |         | Close                     | 4° ATDC                              | ←  |
| Firing Order               |         |                           | 1-2-3-4-5-6                          | ←  |
| Research Octane Number     |         |                           | 91 or more                           | ←  |
| Emission Regulation        |         |                           | European STEP II                     | —  |
| Oil Grade                  |         |                           | API SL-EC or ILSAC                   | ←  |
| Engine Service Mass        |         | kg (lb)                   | M/T: 189 (416.7)<br>A/T: 179 (394.6) | M/T: 187 (412.3)<br>A/T: 177 (390.2)       |

► Performance Curve ◀

