

## ■ FEATURES OF 2UZ-FE ENGINE

Features of the 2UZ-FE engine are listed below.

System	Features
Engine Proper	<ul style="list-style-type: none"> <li>● An upright intake port has been adopted to improve the intake efficiency.</li> <li>● A taper squish configuration has been adopted to improve the combustion efficiency.</li> <li>● A steel laminate type cylinder head gasket has been adopted to improve its reliability.</li> <li>● An aluminum oil pan that is integrated with stiffeners has been adopted to reduce noise and vibration.</li> <li>● The skirt portion of the piston has been applied with tinning plating to reduce friction.</li> </ul>
Valve Mechanism	<ul style="list-style-type: none"> <li>● Inner shim type valve lifters have been adopted.</li> <li>● Large-diameter intake and exhaust valves have been adopted to reduce the intake and exhaust resistance.</li> </ul>
Intake and Exhaust System	<ul style="list-style-type: none"> <li>● A long port intake manifold is used to improve the engine's torque in the low-to mid speed range.</li> <li>● A 2-way exhaust control system has been adopted to improve engine performance and to ensure an even quieter operation.</li> </ul>
Fuel System	<ul style="list-style-type: none"> <li>● 4-hole type fuel injectors have been adopted to improve the atomization of fuel.</li> <li>● A quick connector is used to connect the fuel filter and the fuel hose together to improve serviceability.</li> <li>● A fuel pump inertia switch, which stops the fuel pump if an extremely strong impact such as that of a collision is detected, has been adopted to realize excellent safety performance.*1</li> </ul>
Ignition System	<ul style="list-style-type: none"> <li>● The DIS (Direct Ignition System) is used to enhance the reliability of the ignition system.</li> <li>● Iridium-tipped spark plugs have been adopted to improve ignition.*2</li> </ul>
Engine Control System	<ul style="list-style-type: none"> <li>● ETCS-i has been adopted to realize excellent controllability and comfort of the vehicle.</li> <li>● The cruise control system and the engine immobiliser system have been integrated with the engine ECU.</li> <li>● M-OBD (Multiplex On-Board Diagnosis) system is adopted.</li> </ul>

\*1: Only for Europe Model

\*2: Only for Europe and Australia Model