MAIN MECHANISMS

ENGINE

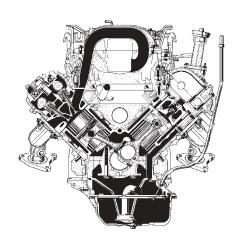
The new Land Cruiser is provided with two types of gasoline engines and three types of diesel engines.

Engine Type		No. of Cyls & Arrangement	Displacement cm ³ (cu in.)	Maximum Output kW @ rpm	Maximum Torque N·m @ rpm	Characteristic
Gasoline Engine	2UZ-FE	8-Cylinder, V Type	4664 (284.5)	173@4800*1	434@3400*1	Newly developed
				170@4800*2	410@3400*2	Newly developed
				186@4800*3	431@3400*3	Newly developed
	1FZ-FE	6-Cylinder, In-Line	4477 (273.1)	165@4600*2	387@3600*2	Improved performance; complies with exhaust gas regulations
				179@4600*3	407@3600*3	
Diesel Engine	1HD-FTE	6-Cylinder, In-Line	4164 (254.1)	150@3400*1	1400*1 430@ \ 3200	Equipped with intercooler and EFI (electronic fuel injection)
	1HD-T	6-Cylinder, In-Line	4164 (254.1)	118@3600*2	360@2100*2	Continual application
				96@3800*2	285@2200*2	
	1HZ	6-Cylinder, In-Line	4164 (254.1)	100@3800*3	290@2200*3	Continual application

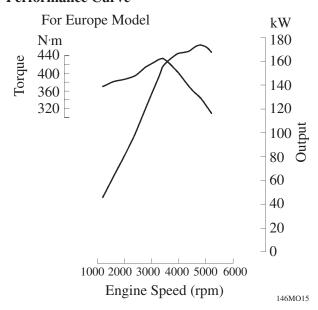
^{*1:} EEC (for Europe)

► 2UZ-FE Engine ◄

Cross Section Drawing



Performance Curve

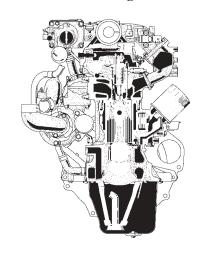


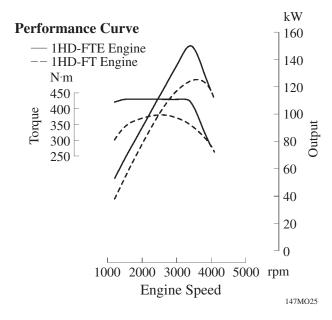
155MO40

^{*2:} SAE-NET (For Australia and General Countries)

^{*3:} SAE-GROSS (For G.C.C. Countries)

▶ 1HD-FTE Engine ◀ **Cross Section Drawing**





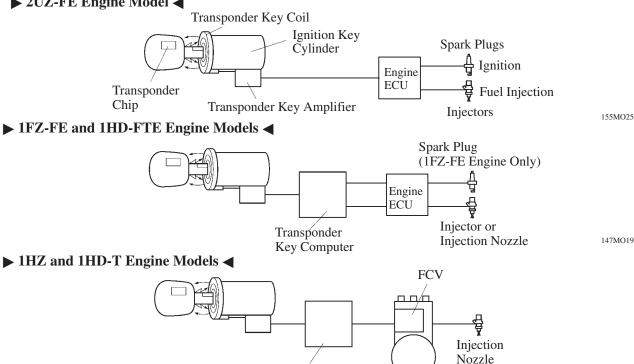
147MO24

ENGINE IMMOBILISER

An engine immobiliser system, which determines if an attempted theft is taking place and which prohibits the ignition and the injection of fuel in the engine, is provided.

• The engine immobiliser system prevents vehicle theft by comparing the ID code that is stored in the engine ECU (2UZ-FE engine model) or transponder key computer (except 2UZ-FE engine model) against the ID code that is stored in the ignition key and permits ignition and the injection of fuel if the codes match.

▶ 2UZ-FE Engine Model ◄



Transponder Key Computer

Injection Pump

147MO20