■MAJOR DIFFERENCE

The table below lists the major differences between the 1TR-FE and 2TR-FE engines (for leaded and unleaded gasoline).

Section	Item	1TR-FE	2TR-FE	
		Unleaded	Unleaded	Leaded
Engine Proper	No. 1 compression ring and oil ring are PVD (Physical Vapor Deposition) coated, and No. 2 compression ring is chrome-plated.	—	—	○
	2 balance shafts are used.	—	○	○
Valve Mechanism	The valve faces of the intake and exhaust valves have been metallized.	—	—	○
Exhaust System	A TWC (Three-Way Catalytic converter) is used.	○	○	—
Fuel System	Long nozzle, 12-hole type fuel injectors are used.	○	○	—
	Long nozzle, 4-hole type fuel injectors are used.	—	—	○
Engine Control System	The heated oxygen sensor is used.	○	○	—
	The variable resistor is used.	—	—	○
	The air-fuel ratio sensor is used.	—	○*	—
	An air injection system is used.	—	○*	—

*: Models compliant with EURO III, EURO IV and Tier 1 emission regulations