■MAJOR DIFFERENCE (from Previous Prius)

System		Features
Engine Proper	Piston	• The shape of the piston head has been changed. • The wall thickness in various areas of the piston has been optimized for weight reduction. • The area of the piston skirt has been reduced. • The thickness of the resin coating on the piston skirt has been increased. • The width of the piston ring has been reduced and its tension has been further reduced.
Cooling System		• The radiator for the engine and the radiator for the inverter have been integrated. • The radiator reservoir tank and the fan shroud have been integrated. • The TOYOTA genuine super long life coolant has been adopted
Intake and Exhaust System		• A resonator has been provided at the air cleaner inlet. • The wall thickness of the exhaust manifold has been reduced.
Fuel System		• A multiplex layer plastic made fuel tank has been adopted. • Changed capacity of charcoal canister (1.0 L → 0.8 L) • The maximum flow rate of the purge VSV has been changed (40L/min. → 60 L/min.) • A main fuel tube and a purge tube made of aluminum have been adopted.
Engine Control System		• Change of the engine ECU (16-bit → 32-bit) • The flat type knock sensor has been adopted. • The no-contact sensor has been adopted in the accelerator pedal position sensor. For details, see page TH-38. • In place of the heated oxygen sensor (bank 1, sensor 1), a heated air fuel ratio sensor has been adopted. • The maximum retard closing timing of the intake valve by the VVT-i (Variable Valve Timing-intelligent) system has been changed from 115° to 105° ABDC (After Bottom-Dead-Center). • CAN (controller Area Network), which networks the ECUs of the vehicle control systems (engine electrical, chassis electrical, and hybrid system) and establishes communication among the ECUs, has been newly adopted. • The diagnosis communication has been changed from serial communication (ISO9141) to CAN communication. • All the DTC (Diagnostic Trouble Code) have been made to correspond to the SAE controlled codes.
Other		Configuration and structure are the same as the previous Prius.