The Highlander Hybrid, with its remarkable 36 combined MPG EPA-estimated rating, accounts for more than a quarter of Highlander sales in the U.S., a testament to its innovation, quality and value. The 2023 Highlander Hybrid, offered in both FWD and AWD, combines a high-efficiency 2.5-liter DOHC four-cylinder engine with
two electric motor-generators. The gas engine employs Variable Valve Timing-intelligent system by Electric motor (VVT-iE) on the intake camshaft, and VVT-i on the exhaust camshaft. A variable cooling system (electric water pump, electric thermostat) and a fully variable oil pump help to further enhance engine efficiency.