■FUNCTION OF MAIN COMPONENTS

Components		Function
Key		When the driver inserts a key into the key slot, the built-in transponder chip transmits an ID code signal to the transponder key amplifier, which is provided in the key slot.
		• On a model with the smart entry & start system, if the driver operates the power switch while the driver has a key in his/her possession, the key receives the signals from the oscillators and responds with an ID code to the wireless door lock receiver. • For details on the smart entry & start system, see page BE-22.
Key Slot	Halfway Switch	Detects whether the key is inserted and outputs a signal to the transponder key ECU.
	Full Switch	Detects whether the key is inserted and outputs a signal to the power source control ECU.
	Transponder Key Amplifier and Coil	Receives the ID code signal from the transponder chip, which is built into the key, and outputs it to the transponder key ECU.
	Key Interlock Solenoid	The power source control ECU operates this solenoid in accordance with the power switch mode and the shift position, in order to keep the key locked in the key slot.
Power Switch		• Switches the power modes in four stages (OFF, ACC, IG-ON, and READY) in accordance with the shift position and the state of the stoplight switch. • The power mode or the abnormal condition of the push button start system can be discerned from the illumination state of the indicator light on the switch.
IG1 Relay		Operates in accordance with the power source control ECU in order to supply power to the respective system.
IG2 Relay		
ACC Relay		
Stop Light Switch		Outputs the state of the brake pedal to the power source control ECU.
Shift Control Actuator		• Operates in accordance with the signals from the transmission control ECU in order to actuate the parking lock mechanism. • Detects the actuation state of the parking lock (whether the shift position is in the P position or some other position) and outputs it to the transmission control ECU. • For details on the construction and operation of the shift control actuator, see the P112 Hybrid Transaxle Section on page CH-14.
Power Source Control ECU		Controls the push button start system in accordance with the signals received from the switches and ECUs.
Transponder Key ECU		• Controls the HV immobilizer system by recognizing the key ID code transmitted by the transponder key amplifier. • Receives the results of the ID code check from the smart ECU*. • Transmits the results of the key ID code check to the power source control ECU. • Transmits an HV system start authorization signal to the HV ECU.
Transmission Control ECU		• Actuates the shift control actuator upon receiving a power switch OFF signal from the power source control ECU. • Transmits the actuation state of the parking lock (whether the shift position is in the P position or some other position) to the power source control ECU.
HV ECU		• Starts the hybrid system in accordance with the system start signal received from the power source control ECU. • Receives the hybrid system start authorization signal from the transponder key ECU.
Smart ECU*		Checks the ID code received from the wireless door lock receiver and transmits the check results to the transponder key ECU.

*: Models with smart entry & start system