POWER SLIDE DOOR SYSTEM

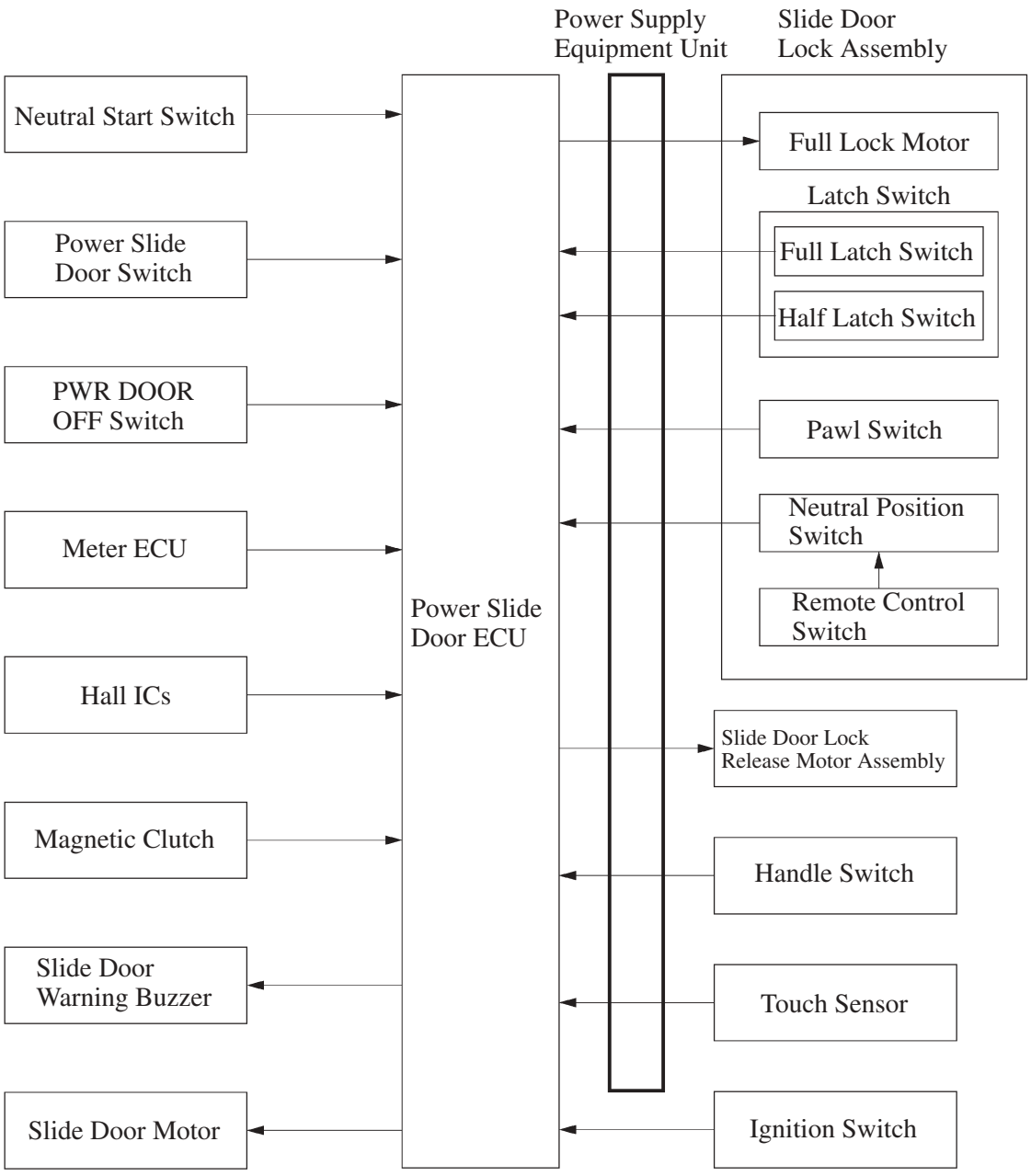
■POWER SLIDE DOOR SYSTEM

Description

- A power slide door system is newly available as optional equipment the 5-door, middle-roof, wide type model for Thailand.
- The power slide door system automatically opens and closes the left slide door through the use of the power slide door switch or the inside/outside door handle operation.
- This system is controlled by the power slide door ECU.
- The power slide door system has the following functions:

Function	Outline
Auto Open-and-close	Enables the slide door to open or close automatically through the operation of the following switches: – Power slide door switch. – Inside or outside door handle
Touch Sensor Protection	If the touch sensor that is provided at the front end of the slide door becomes compressed while the slide door is moving in the closing direction, the resistance of the sensor changes. This change in resistance is output to the power slide door ECU to detect the presence of a jammed object. In addition, the power slide door ECU detects the presence of a jammed object when it detects a change in the moving speed of a slide door (by monitoring the motor speed).
Continuous Power Supply System	The adoption of the continuous power supply system for the slide door makes the junction power supply relay unnecessary, resulting in a simpler system.
Diagnosis	When the power slide door ECU detects a malfunction in the power slide door system, it diagnoses the failed section. Intelligent tester II performs DTC check. For details, see the Hiace Repair Manual (Pub. No. RM04Z0E).
Fail-safe	If any of the malfunctions listed below is detected during a power slide door operation, the power slide door ECU stops the slide door motor. Then, it disengages the magnetic clutch and stops the operation of the system. ● When the ECU does not detect an OFF signal from the full latch switch within 3 seconds after the slide door motor has started its close operation. ● When the slide door motor actuation period exceeds 30 seconds.

▶ System Diagram ◀



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