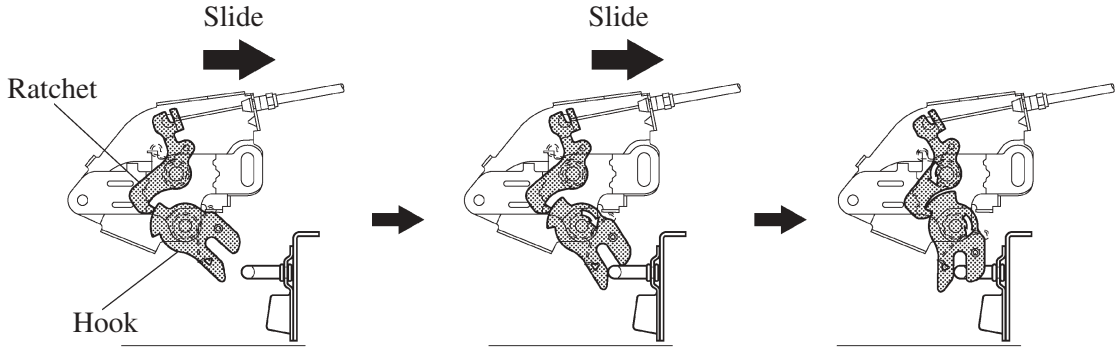
Operation

When the slide door is slid to the full-open position, the hook contacts the striker and rotates along with the movement of the slide door. Next, the hook engages with the pawl of the ratchet, which causes the hook to stop moving. As a result, the slide door locks into a fully-opened position.



Starting Opening Operation **During Operation** **Fully-opened Position**

04ZBE23Y

■SYSTEM CONTROL

1. General

The following slide door operations are available: assist operation (to slightly open and close the slide door manually), inside/outside door handle operation and power slide door switch operation.

2. Operating Conditions

Ignition Switch	Operating Condition (The slide door operates only when all the conditions below have been met.)
ON	PWR DOOR OFF switch is ON
	Slide door is unlocked
	Battery voltage is 11 V or more
	Shift lever is P position
	The vehicle speed is 3 km/h (1.9 mph) or less
	Touch sensor is free of problems, such as an open circuit
OFF	PWR DOOR OFF switch is ON
	Slide door is unlocked
	Battery voltage is 11 V or more
	Touch sensor is free of problems, such as an open circuit

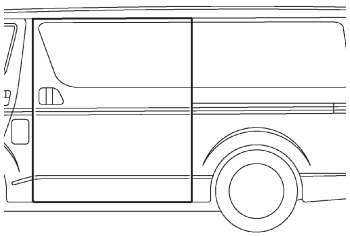
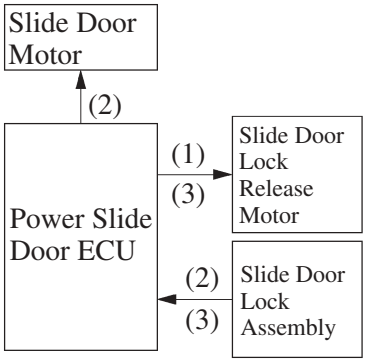
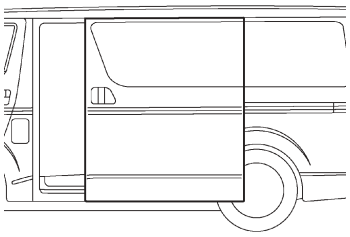
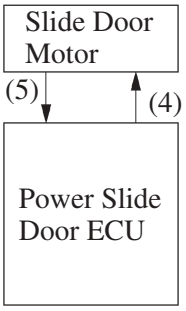
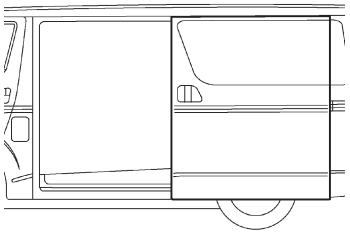
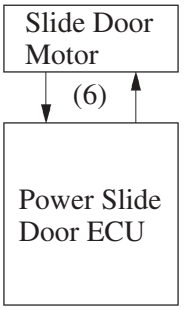
3. Auto Open Function

When the power slide door switch or inside/outside door handle is operated while a slide door is fully closed, the power slide door ECU receives an open operation signal and emits an operation warning sound through the slide door warning buzzer. At the same time, the power slide door ECU controls the slide door lock release motor and the slide door motor to fully open the slide door.

▶ Switch Operation ◀

Operation	Slide Door Warning Buzzer
Power slide door switch is operated for 0.5 seconds or more	Sounds for approximately 0.5 seconds.
Inside/outside door handle is operated	Sounds for approximately 0.1 seconds.

▶ Open Operation ◀

Slide Door Condition	Control Signal	Description
 04ZBE07Y	 04ZBE10Y	(1) The power slide door ECU actuates the slide door lock release motor to disengage the slide door lock. (2) Actuates the slide door motor upon receiving an ON signal from the full latch switch in the slide door lock assembly. (3) Stops the slide door lock release motor upon receiving an ON signal from the half latch switch in the slide door lock assembly.
 04ZBE08Y	 04ZBE11Y	(4) The power slide door ECU actuates the slide door motor until the slide door is fully open. (5) During this operation, the power slide door ECU detects the position of the slide door by way of the pulse signals provided by the Hall ICs in the slide door motor.
 04ZBE09Y	 04ZBE11Y	(6) Upon detecting the full-open position by way of the pulse signals from the Hall ICs in the slide door motor, the power slide door ECU stops the slide door motor, and turns OFF the magnetic clutch in the motor.

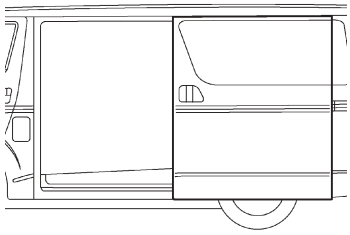
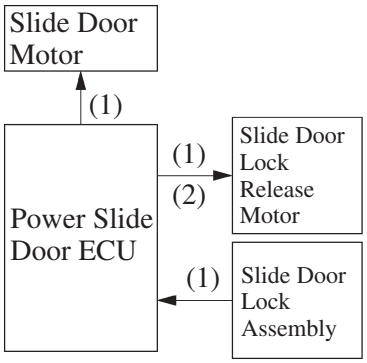
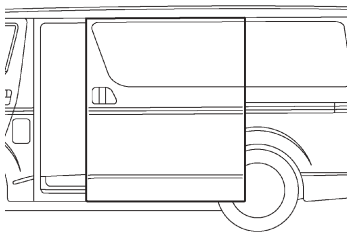
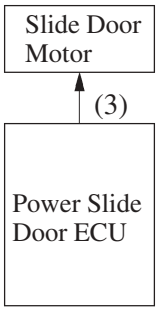
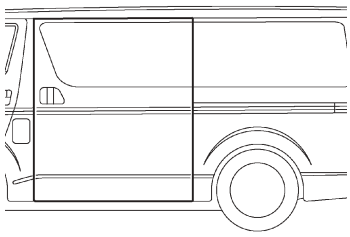
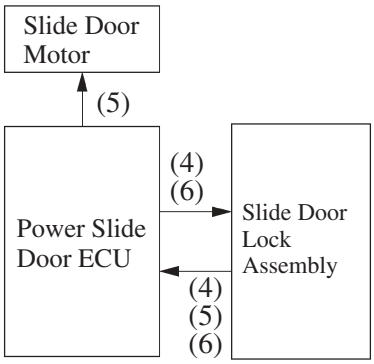
4. Auto Close Function

When the power slide door switch or inside/outside door handle is operated while a slide door is fully open, the power slide door ECU receives a close operation signal and emits an operation warning sound through the slide door warning buzzer, and starts a close operation. At the same time, the power slide door ECU controls the slide door lock release motor and the slide door motor to fully close the slide door. The buzzer sounds intermittently while the slide door is operating.

▶ Switch Operation ◀

Operation	Slide Door Warning Buzzer
Power slide door switch door is operated 0.5 seconds or more	Sounds approximately 0.5 seconds, then, intermittently.
Inside/outside door handle is operated	Sounds approximately 0.3 seconds, then, intermittently.

▶ Open Operation ◀

Slide Door Condition	Control Signal	Description
 04ZBE09Y	 04ZBE10Y	(1) The power slide door ECU turns ON the magnetic clutch in the slide door motor to actuate the slide door lock release motor. (2) Starts the actuation of the slide door motor while the slide door lock release motor is operating and verifies that the full-open stopper is disengaged.
 04ZBE08Y	 04ZBE12Y	(3) The power slide door ECU actuates the slide door motor until it receives an OFF signal from the half latch switch in the slide door lock assembly.
 04ZBE07Y	 04ZBE13Y	(4) The power slide door ECU actuates the full lock motor the detection of an OFF signal from the half latch switch in the slide door lock assembly. (5) Stops the slide door motor upon detecting that the pawl switch in the slide door lock assembly has been turned from ON to OFF. (6) Stops the full lock motor upon detecting an OFF signal from the full latch switch and the pawl switch in the slide door lock assembly, thus ending the full close operation of the slide door.