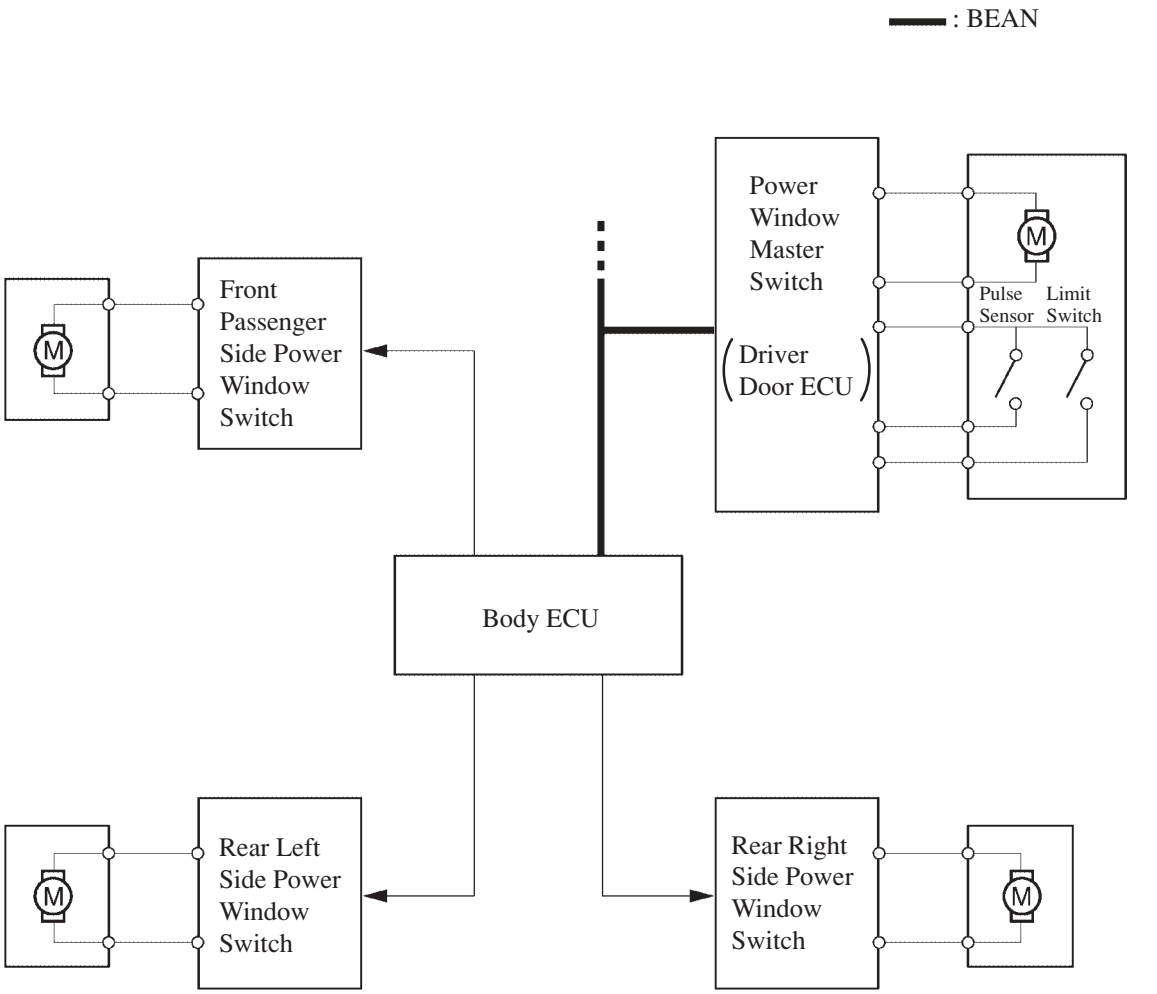
POWER WINDOW SYSTEM

■ DESCRIPTION

The power window system has the following functions:

Function	Outline
Manual up-and-down function	This function causes the window to open or close while the power window switch is being pulled halfway up or pushed halfway down. The window stops as soon as the switch is released.
One-touch auto up-and-down function	The one-touch auto up-and-down function fully opens or closes the window of the driver's door with a touch of the power window switch.
Jam protection function	The jam protection function automatically stops the power window and lowers it if a foreign object gets jammed in the window of the driver's door during one-touch auto up operation.
Remote control function	The up-and-down operations of the front passenger door window and the rear door windows can be controlled by operating the power window master switch.
Key-off operation function	The driver's door key-off operation function makes it possible to operate the power window for 43 seconds after the ignition switch is turned to the ACC or LOCK position, if the driver's door is not opened.
Key-linked up-and-down function	When the ignition key is not in the key cylinder, the driver's door is locked, and the key in the driver's door is turned and maintained in the lock direction for 1.5 seconds or more, the driver door ECU activates the power window motor to raise the all-door windows while the key is turned. Similarly, when the driver's door is unlocked, turning and maintaining the driver's door key in the unlock direction for 1.5 seconds or more will cause the all-door windows to be lowered.
Transmitter-linked up-and-down function	When the body ECU receives a lock/unlock signal from the transmitter continuously for longer than 2.5 seconds, the door ECUs control their power window motors in accordance with the signal to close/open the windows.
Diagnosis	When the power window master switch detects a malfunction in the power window system, the power window master switch makes a diagnosis on the failed section. Furthermore, the power window master switch illumination illuminates or blinks to inform the driver. For details, refer to the Kluger Repair Manual (Pub. No. RM1087E).
Fail-safe	If the hall IC in the power window motor malfunctions, the power window functions will be prohibited for the fail-safe: ● The one-touch auto up-and-down function for driver's door and the remote control function for all door are prohibited. ● The manual operation is possible by each power window switch.

▶ System Diagram ◀



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