■POWER WINDOW

1. General

A power window is adopted DYNA for Australia as option.

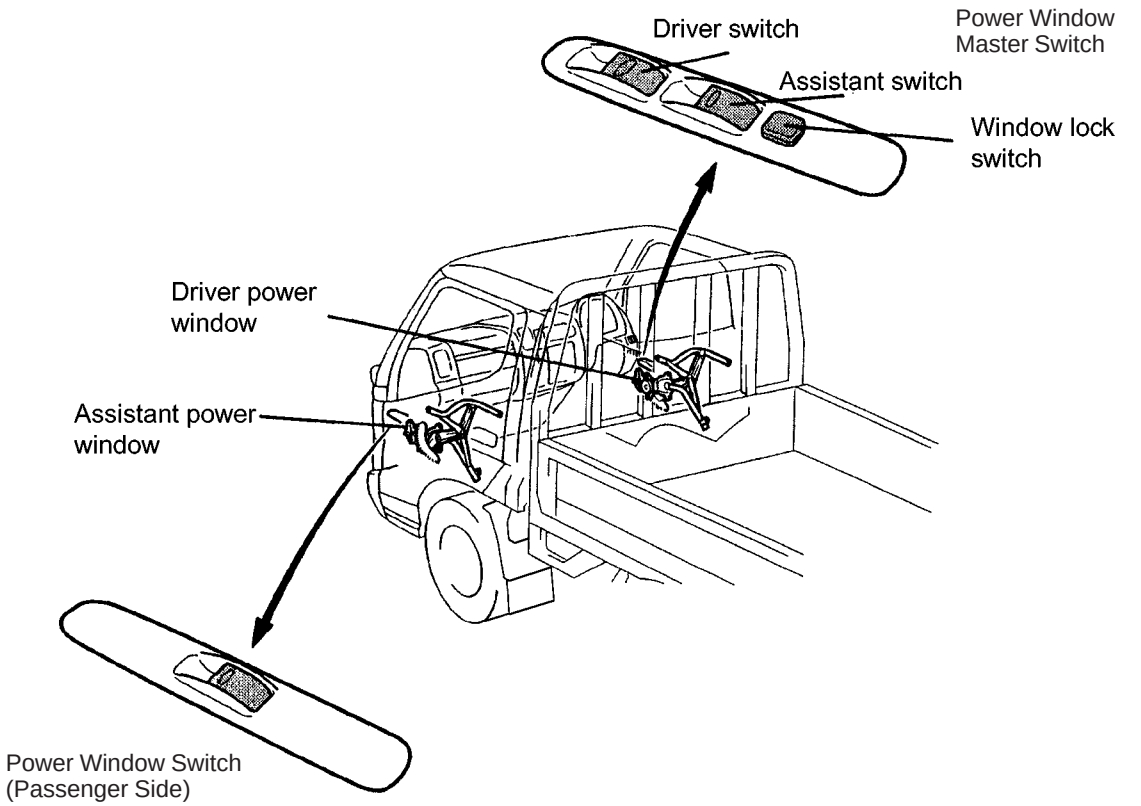
1) Manual function

When the master switch for the door on the driver's side switch is operated to the first step or while the door switch on the assistant driver's side is operated, the door glass will move up or down, and when the switch is released, the door glass will stop. The same operation also is possible with the master switch for the door on the assistant driver's.

2) Automatic function

When the master switch for the door on the driver's side is operated to the second step, only the glass of the door on the driver's side will open or close completely. During automatic operation, the door glass can be stopped at an intermediate position by operation of the switch to the first step in down direction when the glass is moving up and in up direction when the glass is moving down.

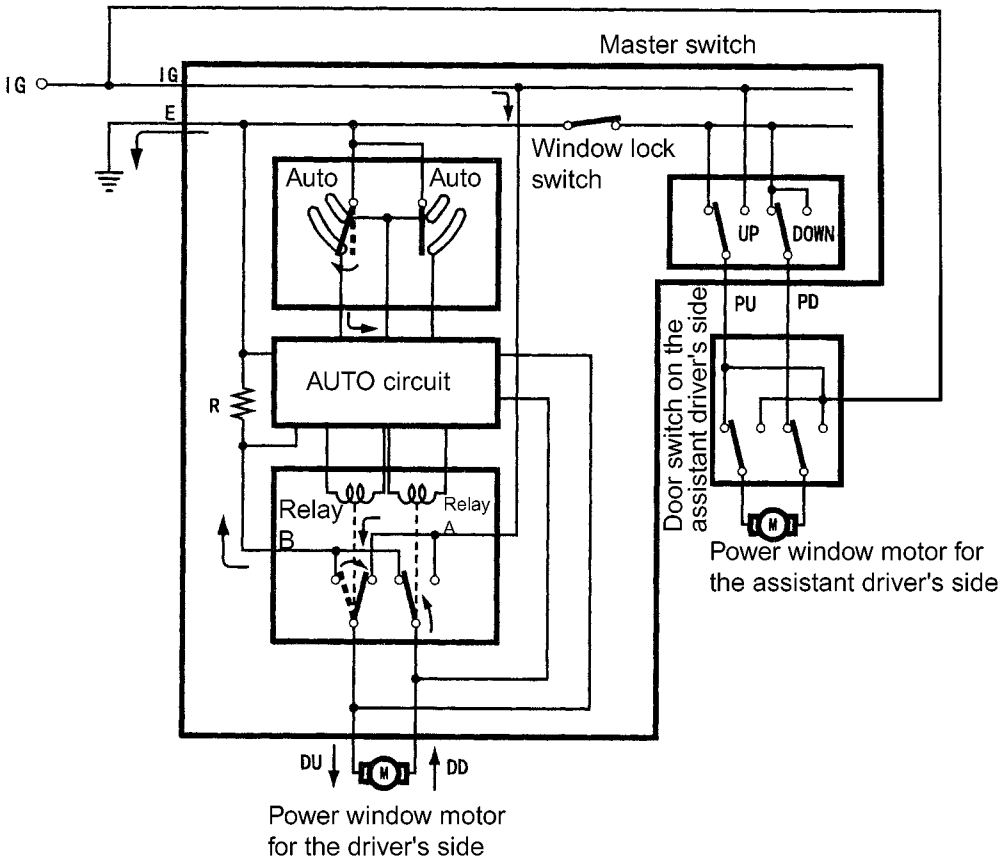
2. Layout of the components



3. Operation

[1] Manual UP & DOWN

- UP operation: When the master switch for the door on the driver's side is operated one step in UP direction while the ignition switch is ON, the relay B becomes ON. At this time, the relay A forms an earth circuit. Accordingly, the current flows as follows: IG → terminal IG → relay B → terminal DU → power window motor → terminal DD → relay A → resistance R → terminal E → earth, the power window motor turns in UP direction, and the glass of the door on the driver's side rises. When the switch is released, the relay B becomes OFF and the power window motor stops.
- Down operation: When the master switch for the door on the driver's side is operated one step in DOWN direction while the ignition switch is ON, the relay A becomes ON. At this time, the relay B forms an earth circuit. Accordingly, in the same way as for UP operation, the power window motor turns in DOWN direction. When the switch is released, the relay A becomes OFF and the power window motor stops.

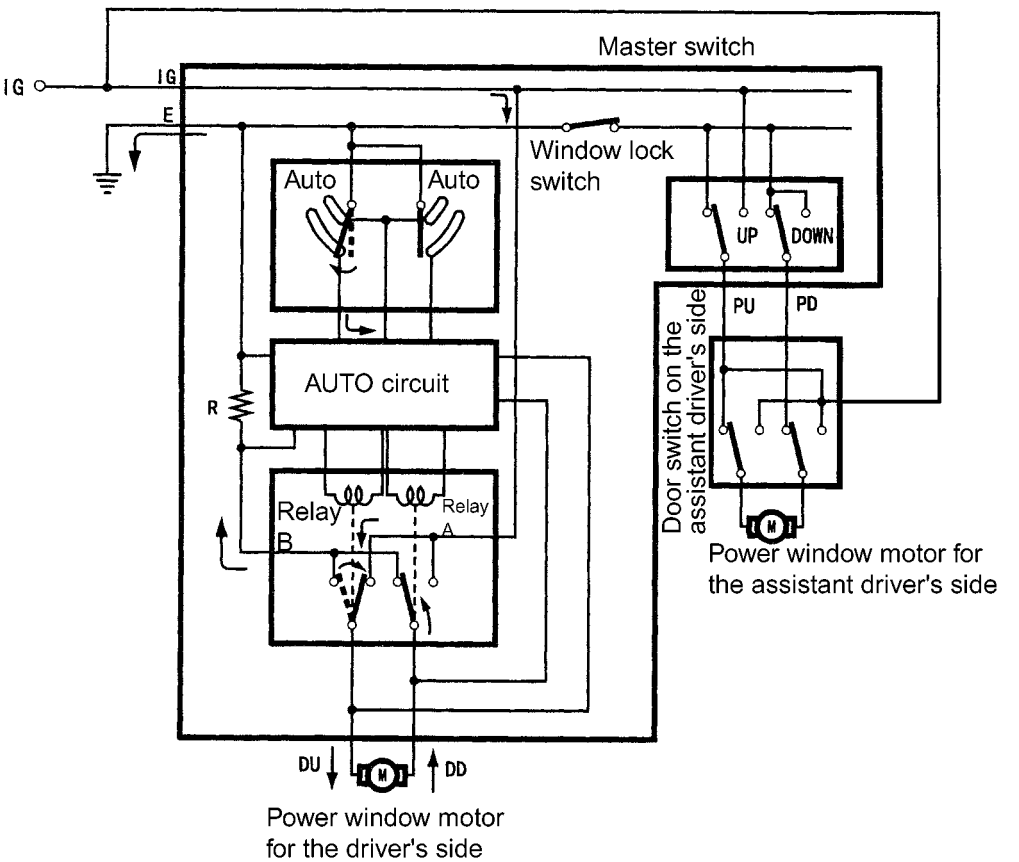


NOTE: The circuit diagram shows manual UP operation.

[2] Automatic UP & DOWN

- UP operation: When the master switch for the door on the driver's side is operated to the second step in UP direction while the ignition switch is ON, the AUTO circuit becomes ON, the relay B becomes ON in the same way as with manual operation, and the power window motor turns in UP direction. As the auto signal of the AUTO circuit keeps the relay B in ON position, the power window motor will continue to turn in UP direction even when the switch is released.
  When then the door glass becomes completely closed and the master switch detects motor lock, when the switch is moved one step in DOWN direction, or when the timer becomes OFF (about 10 sec.), the power window motor will stop. When the switch is moved to the second step in DOWN direction during the operation, automatic DOWN operation will be performed.

- DOWN operation: When the master switch for the door on the driver's side is operated to the second step in DOWN direction while the ignition switch is ON, the relay A becomes ON in the same way as with automatic UP operation, and the power window motor turns in DOWN direction. When then the door glass becomes completely open and the master switch detects motor lock, when the switch is moved one step in UP direction, or when the timer becomes OFF (about 10 sec.), the power window motor will stop. When the switch is moved to the second step in UP direction during the operation, automatic UP operation will be performed.



NOTE: The circuit diagram shows automatic UP operation.