POWER WINDOW SYSTEM

DESCRIPTION

The power window system consists of the power window switch, one-touch power window unit, motor with regulator, circuit breaker and wiring harness which connect the units.

The power window switches comprise a one-touch switch, sub-switch and main switch.

The one-touch switch, integral with the main switch, is installed on the driver's door trim and can automatically be operated to open or close the window glass fully at the driver's side by lightly pushing the switch.

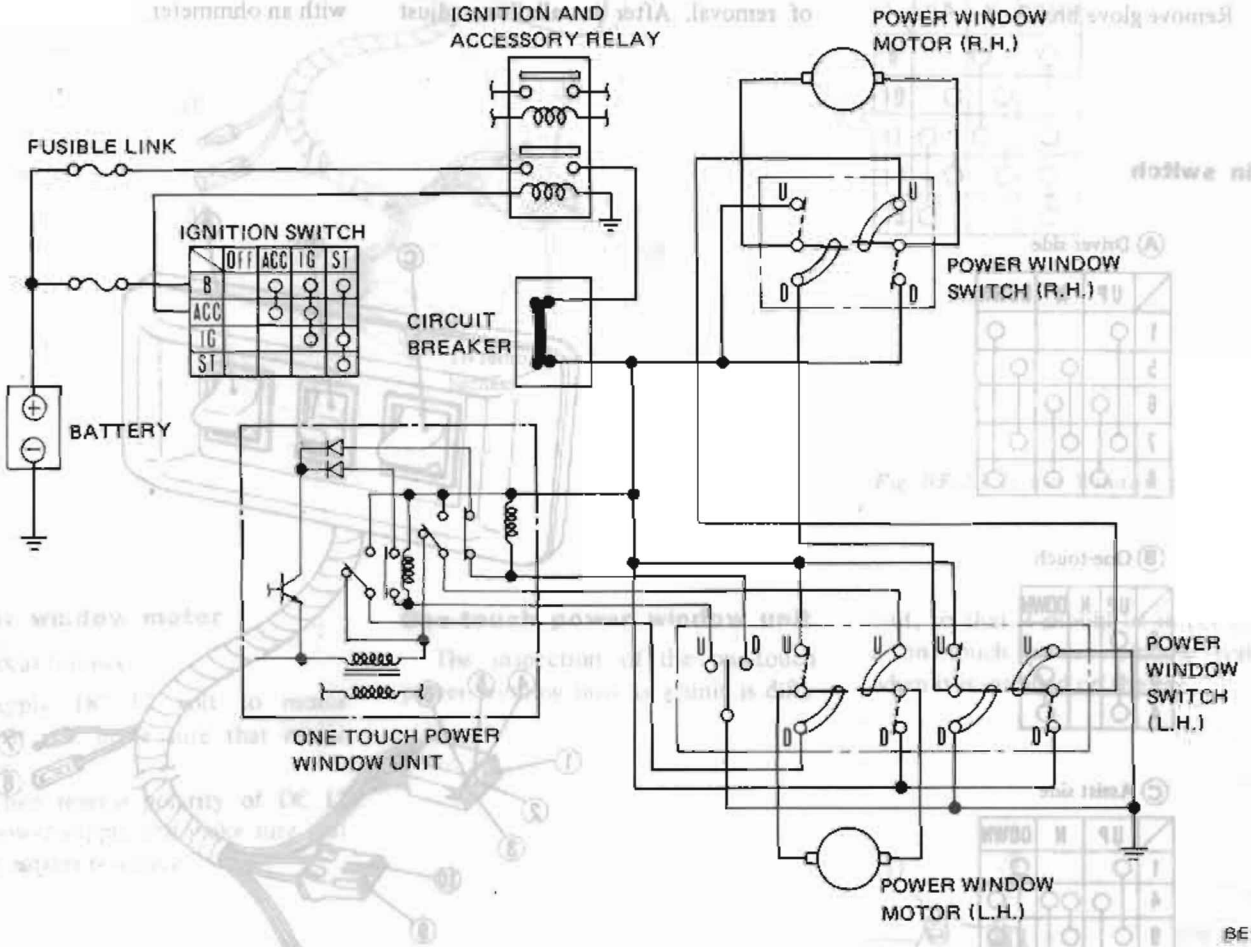

Fig. BE-71 Power Window System

REMOVAL AND INSTALLATION

Power window main switch

1. Disconnect battery ground cable.
2. Remove instrument lower cover on left side.
3. Remove driver side door finisher and sealing screen.
4. Remove door glass and power window regulator. (Refer to Section BF.)
5. Disconnect connectors at dash side and disconnect remote-control mirror harness connectors located inside door.

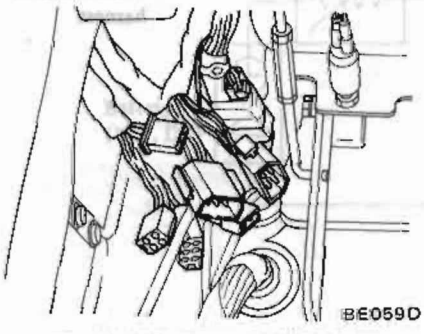

Fig. BE-72 Disconnecting Harness Connectors

6. Remove main switch with harness by loosening retaining screws.

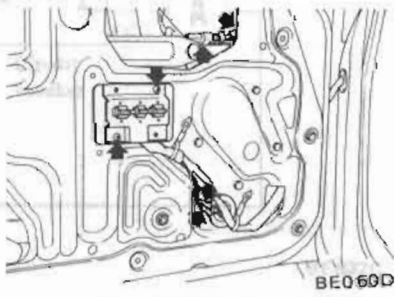

Fig. BE-73 Removing Main Switch

7. Installation is in the reverse order of removal. After installation, adjust door glass. Refer to Door (Section BF) for adjustment.

Sup-switch

1. Disconnect battery ground cable.
2. Remove instrument lower cover on right side.
3. Remove passenger side door finisher and sealing screen.
4. Remove door glass and power window regulator.
5. Remove glove box.
6. Disconnect connectors at dash side and disconnect remote-control mirror harness connectors located inside door.
7. Remove sub-switch with harness by loosening retaining screws. See Fig. BE-75.
8. Installation is in the reverse order of removal. After installation, adjust door glass. Refer to Door Glass (Section BF) for adjustment.

INSPECTION

Test continuity through switch with an ohmmeter.

Main switch

Ⓐ Driver side

	UP	N	DOWN
1	○		○
5		○	○
6	○	○	
7	○	○	○
8	○	○	○

Ⓑ One-touch

	UP	N	DOWN
2	○		
3			○
4	○		○

Ⓒ Assist side

	UP	N	DOWN
1	○		○
4	○	○	○
9	○	○	
10		○	○

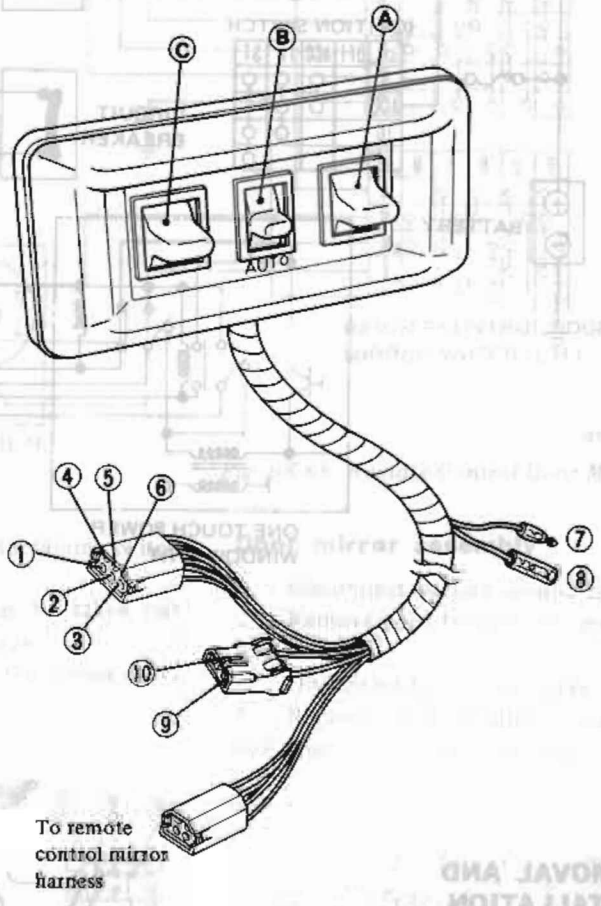

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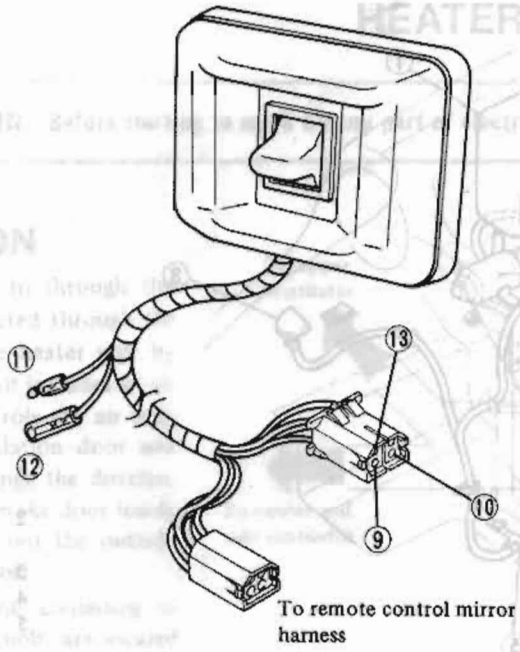
Fig. BE-74 Power Window Main Switch

Sup-switch



	UP	N	DOWN
9		○	○
10	○	○	
11	○	○	○
12	○	○	○
13	○		○

BE062D

Fig. BE-75 Power Window Sub-Switch

Power window motor

Test as follows:

1. Apply DC 12 volt to motor terminal and make sure that motor rotates.
2. Then reverse polarity of DC 12 volt power supply and make sure that motor rotates reversely.

Circuit breaker

See Fig. BE-9.

Test as follows:

1. Set up a circuit as shown in Fig. BE-76.
2. Gradually decrease rheostat resistance until ammeter indicates 30 amperes.
3. At this point connector reading should decrease to 0 ampere within between 13 and 35 seconds.

CAUTION:
Use rheostat of below 1 ohm and over 400 watt ratings.

One-touch power window unit

The inspection of the one-touch power window unit as a unit is difficult, so that it should be inspected as a one-touch power window system when it is installed on the car.

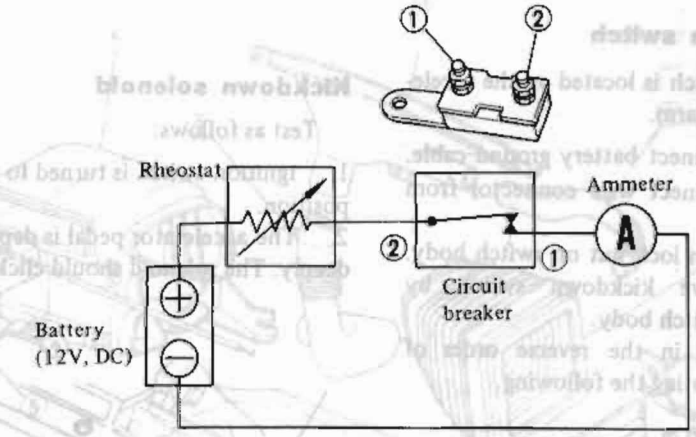


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Fig. BE-76 Circuit Breaker