## CHRYSLER CORP. SIDE WINDOWS

**All Models**

### DESCRIPTION

Chrysler Corp. electric window system consists of motors in each front door, switches to operate the motors, wiring harnesses and necessary connections. Window motors are permanent magnet type with a positive and negative connection. Each motor is grounded through the master switch by a white wire.

### REMOVAL & INSTALLATION

#### WINDOW REGULATOR

1) Disconnect wiring connector from motor. Remove 3 attaching rivets which hold regulator to inner panel.

2) Remove screws holding motor tie-down bracket to inner panel (if equipped). Disengage the drive arm slider from glass lift channel by manuvering the regulator assembly by hand. Remove from door.

3) To install, reverse removal procedures.

#### MOTORS

Remove regulator as previously described. Secure in a vise to prevent sector gear from rotating. Remove counterbalance spring. Remove 3 motor attaching screws and remove motor. To install, reverse removal procedures, noting that counterbalance spring must be installed after motor is attached to regulator.

### OVERHAUL

#### REGULATOR

**Disassembly** – 1) Secure regulator in vise to prevent sector gear from rotating. Remove counterbalance spring.

2) Remove 3 screws holding motor to regulator, and remove motor.

**Inspection** – Check regulator sector gear for chipped or broken teeth, or severe wear. Check that all sliders and rivets are securely attached. Parts must not be bent or cracked. Check that sector gear rotates freely.

**Reassembly** – Reverse disassembly procedure for reassembly, noting that counterbalance spring must be installed after motor is attached to regulator.

### TESTING

#### MOTOR LIFT

1) Connect positive lead of test battery to either of the 2 terminals of motor. Connect other lead to remaining terminal. Motor should now rotate in one direction to move window up or down.

2) If window is in up position, and leads are connected so motor rotates in up direction, no movement should occur. The reverse holds if leads are connected so motor rotates in down direction, and window is already down.

3) Reverse battery leads. Window should now move in desired direction. If not, remove motor and replace. If motor moved window, reverse leads again and ensure that motor moves window in both directions.

#### SWITCH VOLTAGE

1) Remove switch from trim panel. Separate multiple terminal block on wiring harness from switch body. Connect one lead of test light to battery wire terminal and other lead to ground wire terminal.

2) If test light comes on, wiring circuit is okay. If light does not light, check 30 amp. circuit breaker in fuse block for failure, check for broken wire or poor ground.

#### MOTOR SWITCH

1) Connect one lead of jumper wire to battery lead and other lead to "UP" terminal of left multiple connector. *See Fig. 1.* Connect a second jumper wire with one lead to "DOWN" terminal of switch and other lead to ground terminal. Connect 2 jumper wires to right motor switch connector to operate switch.

2) If motor operates, voltage to motor is okay. Install switch to multiple connector and operate switch. If motor fails to operate, replace switch body. Test each switch.

3) Connect one lead of jumper wire to battery terminal, and other lead to "DOWN" terminal of switch. Connect second jumper wire with one lead to "UP" terminal, and other lead to ground terminal. Connect 2 jumpers wires to right motor switch connector to operate switch.

4) Test results are the same as in step **2)**. If motor fails to run, perform Motor Lift test.

## CHRYSLER CORP. SIDE WINDOWS (Cont.)

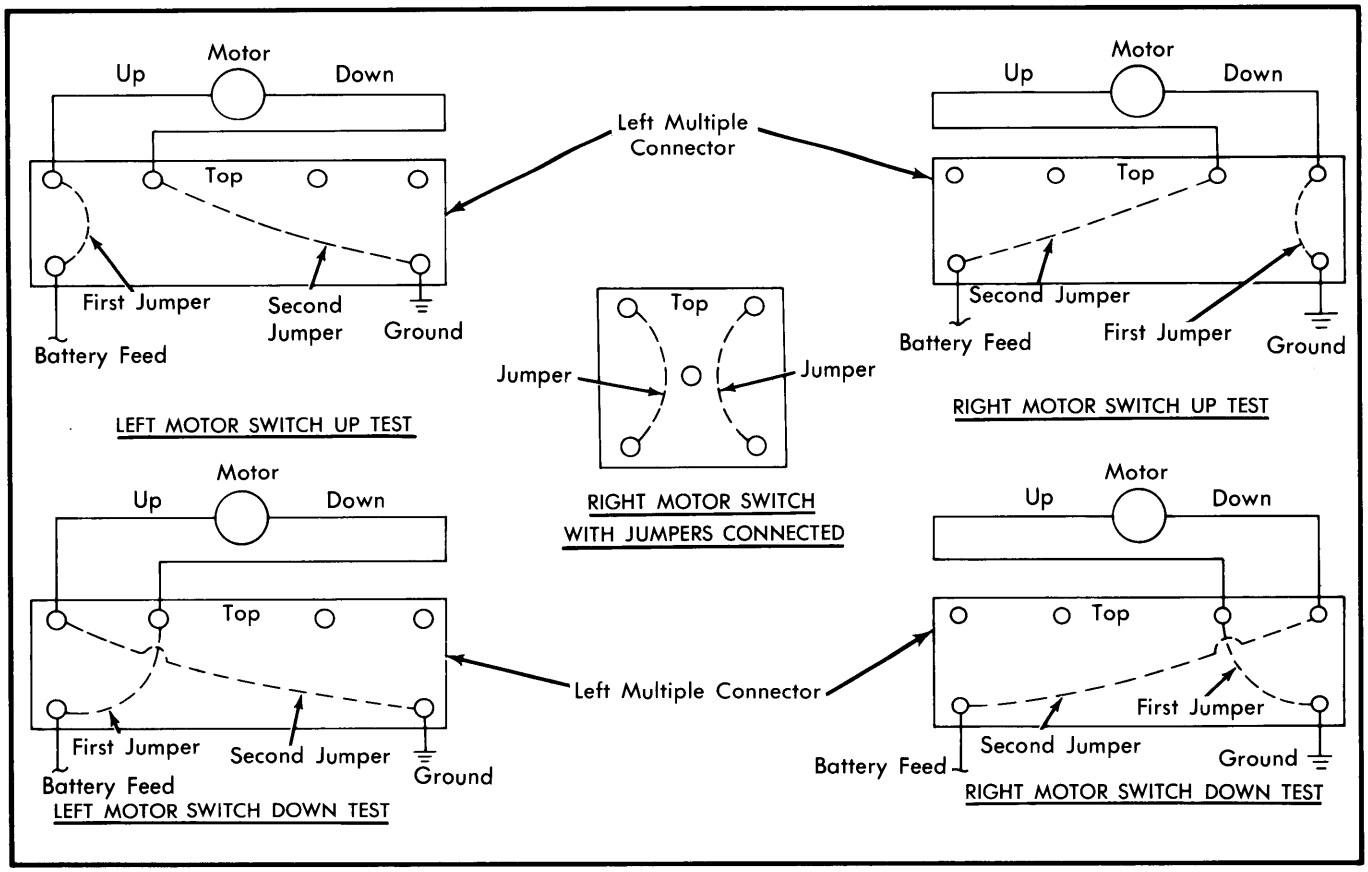


***Fig. 1 Connections for Motor Switch Test***