

Power Windows

CHRYSLER CORP. SIDE WINDOWS

All Models

DESCRIPTION

The 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. Each motor is grounded through the master switch by a white wire.

REMOVAL & INSTALLATION

WINDOW REGULATOR

Removal

1) Raise window to full up position. Remove trim panel and watershield. Remove lower trim panel on stereo-equipped vehicles. Remove down stop bumper bracket.

2) Remove stereo speaker (if equipped). Remove vent wing. Disconnect wiring connector from harness. Disengage glass from regulator, and lower to door bottom. Drill out regulator rivets, and remove regulator through access hole.

Installation

1) Mount regulator to door panel with 1/4"-20 screws and nuts, tightened to 90 INCH Lbs. (10 N.m). Slide glass into regulator arms and into rear glass run. Install vent wing, and adjust. Raise glass to full up position.

2) Install stereo speaker (if equipped). Install down stop bumper bracket. Test regulator function. Install trim panel and watershield.

MOTORS

Removal

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.

Installation

To install, reverse removal procedures, noting that counterbalance spring must be installed after motor is attached to regulator.

OVERHAUL

REGULATOR

Disassembly

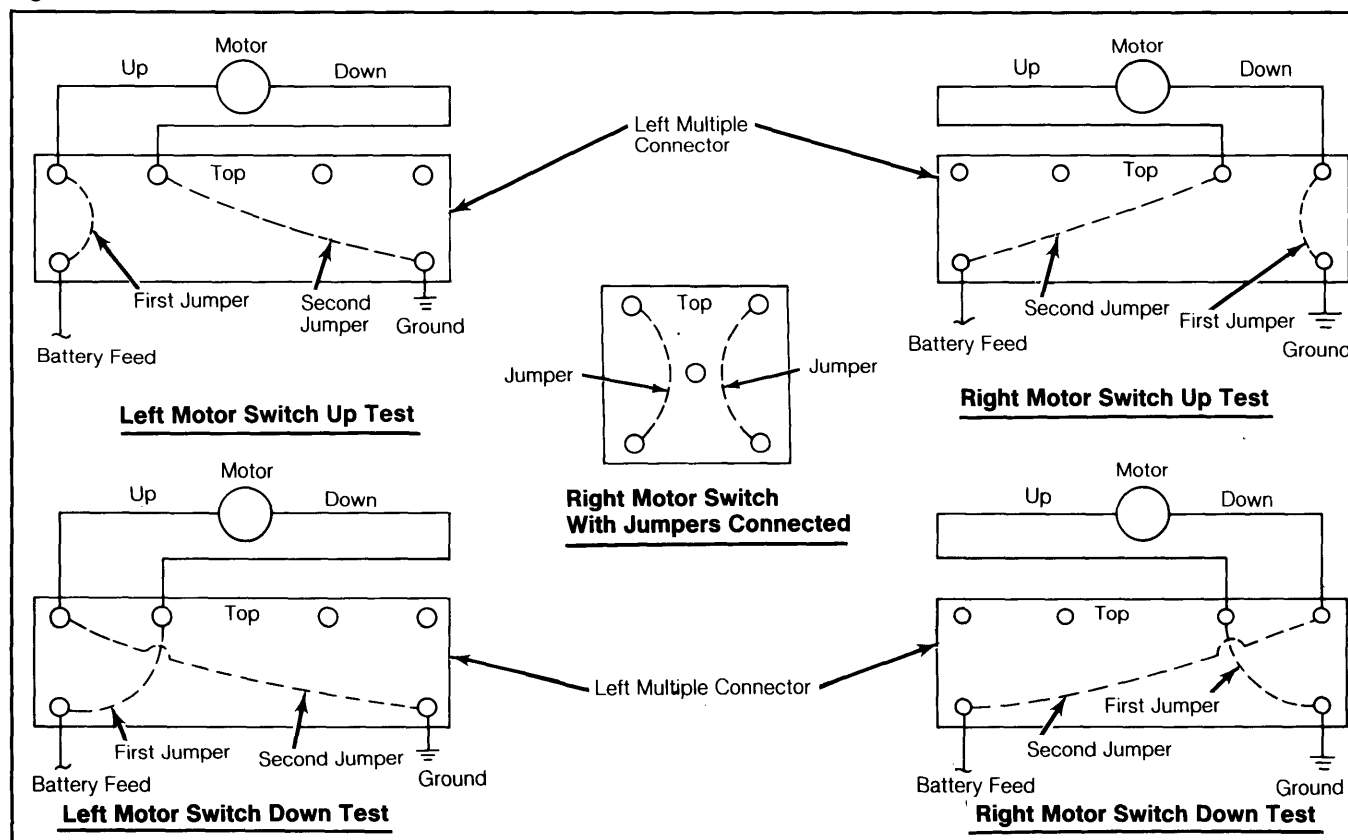
1) Secure regulator in vise to prevent sector gear from rotating. Remove counterbalance spring.

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

Inspection

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

Fig. 1: Connections for Motor Switch Tests



If motor does not run, perform Motor Lift Test.

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CHRYSLER CORP. SIDE WINDOWS (Cont.)

Reassembly

To reassemble, reverse disassembly procedure, 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 1 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 true, 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 1 lead of test light to battery wire terminal. Connect 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 1 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 1 lead to "DOWN" terminal of switch. Attach 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 1 lead of jumper wire to battery terminal, and other lead to "DOWN" terminal of switch. Connect second jumper wire with 1 lead to "UP" terminal, and other lead to ground terminal. Connect 2 jumper 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.