

# POWER WINDOWS

## 1988 Jeep Cherokee

1988 Power Windows  
JEEP SIDE & TAILGATE WINDOWS

Cherokee, Comanche, Grand  
Wagoneer, Wagoneer

### DESCRIPTION

All models have a tape-driven window regulator system in the side doors, and a mechanical regulator in rear door of Grand Wagoneer. On Grand Wagoneer, the tailgate window operates on 2 circuits, from an instrument panel switch or an external key switch at the tailgate. Side windows are operated by individual switches at each door, or by a complete set of control switches at the instrument panel or drivers door. The system is protected by a 30 amp circuit breaker in the fuse panel.

### TESTING

NOTE: Ensure instrument panel tailgate switch is properly grounded as motor grounds through switch. The electric tailgate and defogger switch are serviced as an assembly.

#### INSTRUMENT PANEL TAILGATE SWITCH

Grand Wagoneer

1) Turn ignition on. Using a 12-volt test light, connect one end of test light to ground and probe Red wire. If test light does not glow, repair feed circuit.

2) If test light glows, probe Brown wire with switch in "UP" position. If test light does not glow, replace switch. If test light glows, move switch to "DOWN" position and probe Tan wire. If test light does not glow, replace switch. If test light glows, check tailgate window switch.

#### TAILGATE WINDOW SWITCH

Grand Wagoneer

1) Using a 12-volt test light, connect one end of test light to ground and probe Red wire of tailgate window switch. If test light does not glow, repair feed circuit.

2) If test light glows, probe Tan wire. Turn tailgate switch to "DOWN" position. If test light does not glow, replace switch. If test light glows, probe Brown wire. Turn tailgate switch to "UP" position.

3) If test light does not glow, replace switch. If test light glows, check tailgate window safety switch.

#### TAILGATE WINDOW SAFETY SWITCH

Grand Wagoneer

1) Using a 12-volt test light, connect one end of test light to ground and probe Brown wire of safety switch. Turn tailgate switch to "UP" position. If test light glows, voltage is present at switch. If test light does not glow, check feed circuit and repair as necessary.

2) Probe Brown wire. Turn tailgate switch to "UP" position and close safety switch. If test light does not glow, replace switch.

If test light glows, check tailgate window motor.

## TAILGATE WINDOW MOTOR

Grand Wagoneer

1) Using a 12-volt test light, connect one end of test light to ground and probe Tan wire at motor. Close safety switch and turn tailgate window switch to "DOWN" position. If test light glows and motor does not operate, replace motor. If test light does not glow, check feed circuit to motor and repair as necessary.

2) Probe Brown wire at motor. Close safety switch and turn tailgate window switch to "UP" position. If test light glows and motor does not operate, replace motor. If test light does not glow, check feed circuit to motor and repair as necessary.

## SIDE WINDOW MASTER SWITCH CIRCUIT

1) Remove escutcheon and housing from master switch. Separate terminal plate by releasing retainer hooks to expose terminal ends. Turn ignition on.

2) Using a 12-volt test light, connect one lead to Black wire and other lead to Red terminal. Repeat test at second Black wire. If test light does not glow in either test, remove lead to Black terminal and connect to chassis ground.

3) If test light glows, an open exists between master switch and ground. If test light does not glow, it indicates a defective circuit breaker or an opening in the Red wire from circuit breaker to master switch.

## SIDE WINDOW CONTROL SWITCH & MOTOR TEST

Grand Wagoneer

1) Connect test light between terminals of Orange and Yellow wires. Operate control switch up and down. If test light glows in both switch positions, wires, individual door and master switches are not defective.

2) Disconnect White and Green motor leads at terminal plate, and connect to Green and White leads. Operate master switch. If window goes up and down, motor is okay, but switch is defective. If motor does not operate, remove trim panel and check connections and leads to motor. If motor operates, switch is defective.

## SIDE WINDOW MOTOR

Connect test battery positive lead to one of the motor terminals. Connect negative lead to other terminal. Motor should rotate in one direction to go up or down. Reverse battery leads, motor should rotate in opposite direction. If window does not move, replace motor.

## SWITCH VOLTAGE TEST

1) Turn ignition on. Remove switch from trim panel. Disconnect terminal block on wiring harness from switch body. Connect one lead of test light to Red wire terminal and other end to ground.

2) If test light glows, wiring between battery and switch is functional. Check continuity in Black wire (ground). If test light does not glow, check circuit breaker. If okay, check for a broken wire.

## SWITCH UP & SWITCH DOWN TEST

1) Connect a jumper wire between Red lead (Violet on Cherokee, Comanche and Wagoneer) and switch "UP" terminal. Connect a second jumper wire between switch ground terminal and "DOWN" terminal. This will test up operation of switch.

2) If motor runs, connect switch to multiple connector and operate switch. If motor fails to run, replace switch. Test all switches in this manner.

3) To test down operation of switch, connect first jumper wire between Red (Violet) lead and switch "DOWN" terminal, and second jumper wire between switch ground terminal and "UP" terminal. Repeat tests on all switches. Results are the same as up test.

<b>Connector/ Terminal Wire Color</b>	<b>Window Switch &amp; Window Motor</b>	<b>Voltage</b>
<b>C284-CV LT BLU and C284-DV YEL</b>	<b>LH Front</b>	<b>Battery</b>
<b>C284-CY TAN W/TR and C284-DY ORN W/TR</b>	<b>LH Rear</b>	<b>Battery</b>
<b>C284A-EV BRN and C284A-FV ORN</b>	<b>RH Front</b>	<b>Battery</b>
<b>C284A-EY LT BLU W/TR and C284A-FY YEL W/TR</b>	<b>RH Rear</b>	<b>Battery</b>

Fig. 1: Switch Assembly Check Chart Cherokee & Wagoneer

## REMOVAL & INSTALLATION

## TAILGATE WINDOW REGULATOR & MOTOR

Removal (Grand Wagoneer)

1) Remove carpet (if equipped) and tailgate access cover. Remove retainers attaching regulator arms to channel. Disengage regulator arm pins from channel, and raise glass.

2) Carefully support glass in raised position. Disconnect wiring harness from safety switch. If regulator attaching screws are covered by sector gears, place a jumper wire between terminals of safety switch connector.

NOTE: If regulator attaching screws are accessible, remove regulator attaching screws and regulator.

3) Place key in tailgate switch and operate motor until regulator attaching screws are accessible. Hold regulator in this position, and wedge a screw between meshing teeth.

4) Remove regulator attaching screws and regulator. Using a large screwdriver, release spring tension from tension bracket. Remove motor attaching screws and motor.

Installation

To install, reverse removal procedure.

## SIDE WINDOW MASTER SWITCH

Removal

1) Disconnect battery negative cable. Remove retaining screws and escutcheon. Remove switch housing screws.

2) Pull switch out to expose wires. Disconnect terminal plate from switch. Depress retainer clips through holes in switch housing, and remove switch.

Installation

To install, reverse removal procedure.

## FRONT & REAR DOOR REGULATORS & MOTORS

Removal

1) Raise window half way up. Disconnect battery negative cable. Remove door trim panel and water shield.

2) Insert a drift punch into hole in door inner panel, or use masking tape to hold window half way up. Remove regulator arm retainer clip, and remove arm from bottom window channel.

3) Disconnect wires from motor. Remove inner door panel-to-regulator nuts and bolts. Remove regulator and motor assembly.

Installation

To install, reverse removal procedure.