

Rover Mini Power Windows

DISCONNECT THE BATTERY BEFORE STARTING THE INSTALLATION.

Installation

The following instructions are shown on the right hand door and should be repeated on the opposite door.

1) Remove the door trims.

Unscrew the door handle and window winder handle (1 screw)

Unscrew the grab handle (2 screws)

Pull off the lock button surround (plastic clips)

Carefully unclip the trim panel (plastic clips)

2) Remove the manual window winder.

This is a little awkward as the large metal plate is not only screwed to the door but is also held in place by a putty type substance.

Remove the four screws and unclip the mechanism by sliding it towards you and also towards the rear of the car. Refit the winder handle and by winding the mechanism the operating arms will slide out from the channel on the bottom of the glass and the mechanism can be removed.

Secure the glass at the top of the door with masking tape or a wedge.

3) Drill holes in the pillar and door for cables.

Drill a 14mm hole in the pillar just below the pin switch and another in the leading edge of the door frame just below the hinge. This second hole is drilled from inside the door by placing the drill through the aperture where the window mechanism was or from outside by removing the check strap clevis pin and carefully opening the door to it's fullest extent.

Paint and rustproof these holes.

4) Fit the electric mechanism.

Refer to photograph 1 for the template position and to photograph 2 and 3 for the numbers described and more information.

Undo bolts 4 and 5 on the power window to separate the window channel slide from the main mechanism.

Using the supplied template, drill the two holes at the bottom of the door. Paint and rustproof these holes. Whilst drilling, a piece of wood or similar packing placed in the door will ensure that the drill bit does not damage the outer door skin.

Fit the mechanism in the door and secure at points 1,2, and 3. Notice that the mechanism clips into place, onto the door, to the side of bolt "3".

Lower the glass and fit the slide into the channel on the bottom of the glass.

Bolt the channel to the slide by refitting bolts 4 and 5.

Secure the end of the flexible tube with a cable tie.

5) Fit the switches. (See Photograph 4)

The switch pods fit over the existing holes in the door trim where the window winder handle previously fitted. They are held in place by screws going through the trim panel from the back of the door trim.
The pod with two switches fits the driver's door.

6) Run the harness.

The four-wire part of the harness runs to the driver's side and the three-wire part to the passenger's side.
Run the cables through the grommets and plastic tubing where needed.
Fit the terminals into the plastic covers so that they will match colour to colour with the connectors on the switch pods.
The remaining twin wires join the switches to the motors.

7) Connect power and earth.

Connect the fused wire to a 12 volt supply that is live when the ignition is on. On our car this was a green and white wire on the 5 pin plug near the steering column

Connect the remaining wire to a good earth.

Cable tie all wires away from any moving parts particularly the pedals and window mechanism.

Testing

Carefully check all connections and cable runs.
Check all wires are away from any moving parts particularly the pedals and window mechanism and are secured in place.
Remove the ignition keys and connect the battery.
Start the engine and test the windows.

If they are a little slow with the engine running adjustments can be made by loosening bolts 1,2,and 3 and moving the mechanism slightly. The mechanism must be parallel with the channel that holds the glass at the rear of the door. A little "trial and error" adjustment should solve the problem.

Should the windows travel in the wrong direction when the switch is pressed simply reverse the connections at the motor.

For technical assistance telephone 01279 411014 or fax 01279 450352.