

General Instructions & Tips for Installing Nu-Relics Power Windows

Remove existing parts

- Remove all interior door panels including trim, all handles, armrest, etc.
- If applicable, the vent divider bar needs all screws removed. Tilt the bottom of the vent divider toward the outer door skin. **DO NOT REMOVE THE VENT DIVIDER BAR.**
- Lower the glass so you can see the glass channel through the access hole. Before removing the regulator, tape the glass to the door frame using cloth body tape or prop the window in place with rubber stops. The window may drop into the door and shatter the glass if it is not secured.
- Remove the existing regulators by removing the mounting bolts (3,4,5, or 6 bolts). Slide the regulator rollers out of the window channel and idler bar (if applicable). Remove the regulator from inside the door through the access hole.

Glass and Glass run channel

- If replacing the glass, ensure the lower corners are rounded. For best performance, ask your glass man to polish the edges. These two steps prevent the glass from digging into the glass run channel (felts)
- If replacing the glass run channel:
 - Measure from bottom of front vertical channel to top of glass.
 - Wrap a small tie wrap or piece of masking tape at the measurement obtain from previous step
 - Wet the channel with warm water or liquid glass cleaner (DO NOT USE FOAM CLEANER). Saturate the channel 8" to 9" on each side of the measurement
 - Hold channel with thumbs 8" to 9" from tie wrap on both sides.
 - Slowly start working to form a 90° bend by working both thumbs toward tie wrap (or masking tape)
 - Note: Use old door glass to form around.

Conduit for doors

Slide

- Determine a location in the door and the kick panel area that will allow free movement of the tubing. Most locations are midway between the hinges.
- Mark the location being sure to allow for the diameter of the bushings. Center punch and drill a small pilot hole (for # 8 sheet metal screw) in the door. Run a #8 sheet metal screw in the hole until the point is through the door jam.
- Slowly close door to make an impression on cowl post.
- We suggest using a varibit or a step bit to drill the appropriate size holes as indicated in the conduit package.

"S" Boots

- Determine a location in the door and cowl that will allow free movement of the wires going thru the boot
- If your model originally had a power window option, dimples may be in the cowl and door.
- For Camaro's: one grommet end goes on the door and the other grommet end goes on the outer side of the cowl.

Test Switches and Wiring:

- Prior to installation, test the switches and wiring to ensure proper travel. Connect the wire harness to a 12 volt battery and test to ensure the up/down movement is correct. If not correct, refer to additional instructions in the packet (located in the wire harness bag).
- During this process, move the regulator arms into a proper position for installation. (Due to shipping the regulator arms may not be in the proper position for installation.)

Install wire harness:

- Nu-Relics wire harness have all the wires labeled for correct position.
- The black wire is the ground and should be attached to clean metal to ensure a proper ground.
- The red (orange) wire is the 12 V Hot feed. We fuse our wire harness to allow you to operate the windows without the car's motor running.
- Remove the wires from the insulator shells. Note the wire color location in the housing before removing them to ensure proper location when reinstalling. (note: for console wire harness, you will remove the terminals from the motor plugs)
- Once the wires are removed from the connector housing, the wires can be passed through the conduit and into the kick panel area.
- After the wires are through the conduit, reinstall the wires in the original positions in the connectors.
- Use tuner lube or di-electric grease on all connections and terminals. This prevents moisture corrosion and aids in connectivity.

Install new regulator

- Grease all tracks where nylon rollers run. Grease gear teeth with Hi-Temp Disc brake grease. Oil all pivot points. DO NOT USE WHITE LITHIUM GREASE. Lithium grease will not stay a constant consistency.
- Manipulate the new power window regulator into the door thru the access hole. Regulators are marked "L" (Driver Door) and "R" (Passenger Door)
- Align and insert the rollers into the window channel. At this point, it will be helpful to have someone hold the glass in position and move it up and down to assist in aligning the rollers.
- Once the rollers are in the channel(s) move the glass up and down to align the regulator mounting holes in the inner door panel. Install the mounting bolts (3,4,5, or 6)
- Install the mounting screws in the vent divider bar if applicable.
- Hook up the switches, motors, 12V hot feed and ground to test the window operation.
- If applicable, adjust the stops and leveling. Not all regulators have adjustments. Only regulators that had adjustments from the factory will have adjustments on our regulators. If equipped, loosen the adjusting bolt on the regulator. Set the top of the window parallel with the top of the window frame. Tighten the adjusting bolt.
- On some quarter panels, it is necessary to trim the sheet metal below the 2 lower mounting holes. Trim enough to allow the motor to protrude through the panel so the mounting plate will bolt up flat against the panel. (We cannot place the motor on the opposite side – the glass channel would not clear the motor.)



IF SPECIAL INSTRUCTIONS ARE NEEDED FOR YOUR MAKE /MODEL, ADDITIONAL INFORMATION WILL BE INCLUDED IN YOUR PACKET.