

824503X000

Generic 82450-3X000 Power Window Motor Regulator Installation Manual

Compatible with Hyundai Elantra (2011-2015)

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Generic 82450-3X000 Power Window Motor Regulator. This genuine OEM part is designed for direct replacement in Hyundai Elantra models manufactured between 2011 and 2015. Please read all instructions carefully before proceeding with installation or use to ensure proper function and safety.

SAFETY INFORMATION

Always prioritize safety when working on vehicle electrical systems. Disconnect the vehicle's battery before beginning any installation to prevent electrical shock or damage to components. Wear appropriate personal protective equipment, including safety glasses and gloves. If you are unsure about any step, consult a qualified automotive technician.

- Disconnect the negative battery terminal before installation.
- Ensure all electrical connections are secure and free from corrosion.
- Avoid pinching wires during reassembly.
- Test the window operation thoroughly after installation.

SETUP AND INSTALLATION

This section outlines the steps for replacing the power window motor regulator. It is recommended to have basic automotive repair tools available.

Required Tools:

- Screwdriver set (Phillips and flathead)
- Socket wrench set
- Trim removal tools
- Gloves and safety glasses

Installation Steps:

1. **Prepare the Vehicle:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery.
2. **Remove Door Panel:** Carefully remove the interior door panel. This typically involves removing screws hidden behind trim pieces, door handles, and window switch panels. Use trim removal tools to avoid damaging the plastic clips.
3. **Access Window Regulator:** Peel back the plastic moisture barrier to expose the window regulator assembly. Be careful not to tear it, as it helps protect the interior from moisture.
4. **Support Window Glass:** Secure the window glass in the up position using tape or clamps. This prevents the glass from falling once the regulator is disconnected.
5. **Disconnect Old Regulator:** Unplug the electrical connector from the old window motor. Remove the bolts securing the window glass to the regulator and then remove the bolts holding the regulator assembly to the door frame. Carefully remove the old regulator assembly from the door.
- 6.



Image: The Generic 82450-3X000 Power Window Motor Regulator, showing its motor and gear assembly. This is the component to

be installed.

- 7. Install New Regulator:** Position the new Generic 82450-3X000 Power Window Motor Regulator into the door cavity. Secure it with the appropriate bolts. Reattach the window glass to the new regulator's mounting points.
- 8.



Image: An exploded diagram illustrating the components of a vehicle's window assembly. Part #7, highlighted in green, represents the power window motor regulator, indicating its position within the door structure.

- 9. Connect Electrical:** Plug the electrical connector into the new window motor.
- 10. Test Operation:** Reconnect the vehicle's battery. Test the window's up and down operation several times to ensure it moves smoothly and fully. If the window does not operate correctly, recheck all connections and mounting points.
- 11. Reassemble Door:** Reattach the moisture barrier and then reinstall the interior door panel, ensuring all clips and screws are securely fastened.

OPERATING INSTRUCTIONS

Once installed, the power window motor regulator operates in conjunction with your vehicle's existing power window switch. No special operating procedures are required beyond the standard use of your vehicle's window controls.

- Press the window switch down to lower the window.
- Pull the window switch up to raise the window.
- Some vehicles may have an "auto up/down" feature, which allows a single press or pull to fully open or close the window.

MAINTENANCE

The Generic 82450-3X000 Power Window Motor Regulator is designed for long-lasting service and typically requires minimal maintenance. However, periodic checks can help ensure optimal performance and longevity.

- **Window Track Cleaning:** Periodically clean the window tracks to remove dirt, dust, and debris that can impede window movement. Use a silicone-based lubricant designed for automotive window tracks to keep them smooth.
- **Electrical Connections:** If you experience intermittent operation, check the electrical connector to the motor for corrosion or looseness. Ensure it is securely plugged in.
- **Avoid Obstructions:** Do not force the window if it encounters an obstruction. This can damage the motor or regulator mechanism.

TROUBLESHOOTING

If your power window is not functioning correctly after installation, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Window does not move.	<ul style="list-style-type: none">◦ Loose electrical connection.◦ Blown fuse.◦ Faulty window switch.	<ul style="list-style-type: none">◦ Check and secure the motor's electrical connector.◦ Inspect and replace the relevant fuse in the vehicle's fuse box.◦ Test the window switch; replace if faulty.
Window moves slowly or with difficulty.	<ul style="list-style-type: none">◦ Dirty or dry window tracks.◦ Obstruction in the window path.	<ul style="list-style-type: none">◦ Clean and lubricate window tracks.◦ Inspect for and remove any obstructions.
Window makes grinding or clicking noises.	<ul style="list-style-type: none">◦ Misaligned regulator.◦ Damaged gear or cable.	<ul style="list-style-type: none">◦ Recheck regulator mounting and glass alignment.◦ If noises persist, the regulator may be damaged; consider professional inspection.

SPECIFICATIONS

Feature	Detail
Part Number	82450-3X000 / 824503X000
Compatibility	Hyundai Elantra (2011, 2012, 2013, 2014, 2015)
Type	Power Window Motor Regulator
Voltage	12 Volts
Horsepower	1 Watts
Included Components	1x 82450-3X000 Power Window Motor Regulator



Image: A side view of the Generic 82450-3X000 Power Window Motor Regulator, showcasing its compact design and electrical connector.

WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the documentation provided with your purchase or contact the seller directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Note: This product is a direct replacement OEM part. For specific warranty details, please consult the seller or manufacturer's official policy.

