

# INSTALLATION INSTRUCTIONS: WINDOW LIFT MOTOR

**ATTENTION:** Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully.

## IMPORTANT

### WINDOW LIFT MOTOR INSTALLATION INSTRUCTIONS

Window regulators may vary in design. It will be necessary to obtain a shop manual for safe removal, installation and handling of window regulators.

### CABLE TYPE REGULATORS

**IMPORTANT:** Some regulator cable spools will unravel if not handled properly. Refer to Service Manual for proper removal of Motor from cable spool. Cable style regulators require special handling for successful removal and installation of the window lift motor. These instructions will help prevent the spool from coming apart and resulting in the complete replacement of the motor/regulator assembly.

- Remove the regulator according to the shop manual. Make sure to support the window glass in a safe manner.
- Unbolt or remove the retaining rivets holding the motor to the regulator.
- **CAREFULLY** lift the motor up out of the spool since some spools will come out of the housing with the motor. **HINT:** use a long thin screwdriver to help separate the motor from the spool.
- Remove the motor.
- Reverse the procedure to install.

### SCISSOR STYLE REGULATORS

Scissors style regulators have an assist spring to help move the window glass. This spring is under pressure at all times. The regulator must be secured **BEFORE** removing the motor.

- Remove the regulator according to the shop manual. Make sure to support the window glass in a safe manner.
- **BEFORE** removing the motor from the regulator it will be necessary to secure the sector gear of the regulator by installing a bolt through the regulator body and the sector gear.
- Drill out any rivets or remove any bolts retaining the motor to the regulator.
- Reverse the procedure to install.

#### Disclaimer:

Even though every attempt is made to ensure this information is complete and accurate, it is impossible to account for all possible circumstances or situations. Please consult with a qualified auto technician before attempting to perform any work you are not qualified to do. Automobiles can be hazardous to work on; be sure to take all necessary safety precautions. Failure to do so may result in property damage or personal injury. Certain motor vehicle standards and performance requirements may apply to your motor vehicle (such as Federal Motor Vehicle Safety Standards by the National Highway Traffic Safety Administration). Be sure that your work is performed in accordance with such standards and that you do not disable any motor vehicle safety feature.

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### ELECTRICAL CONNECTORS

One of the three types of electrical connections will be supplied with each motor depending upon application.

- Adapters to lengthen the wires. Plug into existing wiring connector.
- Adapters to change the connector type. Plug into existing wiring connector.
- Butt type connectors. Strip the wires and crimp, then apply heat to seal connector.

NOTE: Do not leave out this step. Failure to apply heat to the shrink type connector will allow water to enter and corrosion to form. This will result in premature failure of the wiring.