

# GMC Motorhome

## Electric Windshield Wiper Conversion Kits

*Get rid of that old hydraulic windshield wiper system!*

### Why Get Electric Wipers?

Low maintenance

Reliable operation

Consistent speed settings

Adjustable sweep arc and position

2 speeds + intermittent sweep feature

Eliminates hydraulic motor and power steering gearbox seal problems

Our kits allow you to replace the troublesome 73-78 GMC Motorhome hydraulic windshield wiper motor with an electric motor. We offer both Hardware Kits and Electrical Kits to facilitate the conversion. ***You must supply the motor itself and the motor's electrical connector, either new or used.***

The Hardware Kit includes the bracket and hardware to mount a customer-supplied electric motor to replace the hydraulic motor.

The optional Electrical Kit includes everything needed to install and wire a wiper switch with a separate delay knob to a customer-supplied electric motor and connector.

## Hardware Kit:

The Hardware Kit consists of a mounting bracket and components which mount in place of the original hydraulic motor using the same three bolt holes. The bracket provides an idler arm which exactly duplicates the location and motion of the original arm on the hydraulic motor. The steel components are CNC machined and black powder coated. The various bushings, ball joints, etc., are readily available hardware items in the unlikely event of any failure. Included with the mechanical kit is all of the necessary hardware to upgrade to an electric motor, *except for the wiper motor itself and the electrical components.*

On some vehicles it may be necessary to re-route or extend the power steering fluid return hose which is moved from the wiper motor to the power steering gear box. The fitting and hose to connect to the gear box are included. The kit also includes detailed step-by-step installation instructions for the kit, and instructions for harvesting Lumina wiper motors and the connector pigtail.

The mounting plate for the motor is specifically designed for the 90-96 Chevrolet Lumina APV / Olds Silhouette / Pontiac TranSport wiper motor because that motor is designed to swing long arms with 24" blades and has internal circuits to provide intermittent (pulse) operation and 3 second wipe-with-wash. It is also directly compatible with the steering column mounted combination switches used on later model (80\90's) GM vehicles.

We do not sell wiper motors. The motor is so reliable, and usually so easy to repair if it does fail, that we recommend purchasing a used one, with connector, from a junk yard for usually < \$50.

Rebuilt motors are around \$80, new motors about \$130. New electrical connectors are about \$30.



## Electrical Kit:

Included with the electrical kit is everything needed to install a Push-to-Wash/Turn-to-Wipe (PtW/TtW) type switch and delay knob. The PtW/TtW switch replaces the original washer switch and has a Washer/Wiper logo on the face of the black knob. The intermittent delay knob is mounted in a new location on the dash, usually to the right of the PtW/TtW switch. A blank faceplate is provided to cover the hole for old hydraulic control lever.

To ease installation, the harness wires are unterminated at the motor end; crimp connectors are provided for application after the wires are routed through the firewall and cut to length. All components, including a 20A circuit breaker, are included EXCEPT the 5-pin connector which plugs into the motor. ***The motor electrical connector is best purchased at a junk yard with the motor (which is needed for trade-in even if you purchase a rebuilt motor).*** \*

The Electrical Kit is not required if you do your own wiring. Instructions are provided to wire a steering column mounted type switch if you prefer.

\* *This connector is also the same as used on most 90's GM pickups, S10-S15 is easiest to remove.*



Orders can be sent to [Alan@mgcads.com](mailto:Alan@mgcads.com).

The Hardware Kit is \$190 and the Electrical kit is \$120.

Shipping is \$15 and will be combined if you order both kits.

If you have any questions please email or call Alan Henderson at 478-320-5974.

**The installed Hardware Kit. Note customer-supplied motor and electrical connector.**



**Lumina motor and electrical connector removal photos and instructions**



**The Installation Manual**







Ken Henderson, creator of the GMC Motorhome Electric Wiper Conversion Kits