

INSTALLATION INSTRUCTIONS

107146-RIV A/C-Blower Control Module

This new-design module replaces GM 25508453 module found on the 1982 and 1983 Buick Riviera. **The Caspers design incorporates a separate power feeder which overcomes the typical failure associated with the factory design.** One reason why the OEM module failed is due to corrosion on one of the terminals on the five-pin connector which feeds the module with battery power. When the failure occurs, the terminal overheats and burns the connector and/or connection on the module. Also, since the factory harness connector plugs into the module at a horizontal plane, the connection tends to pick up and hold water and moisture, adding to the corrosion of the electrical connection. The Caspers design overcomes this problem by remotely locating the connector on a short pigtail.

Replacement of the module is simple. Working under the hood at the heater box, unplug both connectors to the module. Inspect these connectors for excessive corrosion and clean the terminals with a small brush. Since the replacement module wiring will be routed differently, ignore the red wire in terminal E of the original connector; this is commonly the problem wire and will not be used on the new design module. If the factory connectors are excessively damaged or corroded, replacement pigtails are available from Casper's Electronics.

On the Riviera, there is a sub-mounting plate that that attaches this module, with pop rivets holding it in place. You will need to drill out those two rivets to remove the original module, then re-install the module using the hardware supplied in this kit. Tighten the screws securely.



BE SURE to remove any corrosion on the terminals using a wire brush and scraper.



Plug both connectors into the factory wiring connectors. Then, route the battery feeder wire to the battery, against the passenger fender well, behind the coolant overflow bottle, and to the **positive** battery post. Remove the positive battery bolt using a 3/8" wrench and press the factory bolt out of the connector lug (see illustration below). Do not use excessive force when tightening the bolt as you can strip the threads on the battery. **CAUTION:** If your blower fan is defective or does not spin freely, the large resistor on the end of the module could burn up, causing permanent damage to the new module.

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Installs on Blower Housing

