

Electronic Evaporator Dryer-5 (EED5) Installation Instructions

Purpose

The purpose of the EED5 is to minimize/eliminate evaporator core moisture after A/C shutdown. The EED5 system is activated when the ambient temperature near the EED5 is above 60°F upon vehicle start-up. After vehicle shutdown, the following sequence occurs to dry the evaporator core: after a 30 minute delay, the EED5 will run the A/C blower on high power for 10 seconds. There will be a 10 minute delay and then the 10 second high blower operation will reoccur. This sequence will repeat itself over a one hour period during which the blower motor will be activated for a total of one (1) minute. If the vehicle is restarted during this one hour period, the system resets itself.

Safety

The EED5 has been designed with system security in mind. The selected sequencing will strongly reduce total current draw on the battery while providing highly effective moisture removal.

Special Features

Cold Weather Deactivator

- The EED5 will not operate when cabin ambient temperature is below 60°F.

Battery Drain Protection

- If the vehicle electrical system voltage drops below 12.5 volts, the EED5 becomes inactive.

Self Fused Protection

- The EED5 has two (2) 25 amp fuses to protect the module and blower motor circuits.

Electrical Operations

- The EED5 is designed for use with positive and negative ground electrical systems.

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- 1) **Disconnect the battery.**
- 2) **Access the blower motor wiring harness.**
- 3) **Wiring Connections:** The EED5 has five (5) color coded wires. **Make sure that the BLACK ground wire is connected last.** Enclosed with the EED are three (3) wire connectors and one (1) three-way connector. (See schematic diagram below.)
 - a) **Red Wire:** Connect **RED** wire to constant 12 volt power supply capable of handling a 25 amp circuit needed for blower motor (use supplied wire connector). It is **important** this connection has **12V battery power** at all times even with the ignition off.
 - b) **Blue Wire:** Cut the **positive** power supply wire going to the blower motor and connect the **BLUE** wire from the EED to cut end of the wire coming from the blower motor (use supplied wire connector).
 - c) **Yellow Wire:** Connect **YELLOW** wire to the cut end of the wire going to the accessory switch or blower control (use the supplied wire connector).
 - d) **Green Wire:** Splice **GREEN** wire to the ground wire of the blower motor using the supplied three-way connector.
 - e) **Black Wire:** Connect **BLACK** wire to ground using the furnished #8 lug (**connect the black wire last!!**).
- 4) **Reconnect the battery.**
- 5) **EED5 Test Sequence and Operation Diagnostics**

Approximately 30 seconds after the circuit is completed, the blower motor will operate on high blower for two (2) seconds. This will occur three (3) times. On some negatively switched the vehicles fan will blow for 30 seconds before test sequence begins.
- 6) **After this series is complete, start the engine and check the functions of the A/C and heater controls to make sure they function normally on all blower speeds.**
- 7) **Shut the engine off to start the normal operational delay process.**
- 8) **Secure the EED module in place using hook and loop fastener (e.g. Velcro) or equivalent and reinstall any removed parts.**

