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# 30106

## **FAN RELAY WITH THERMOSTAT** **INSTALLATION INSTRUCTIONS**

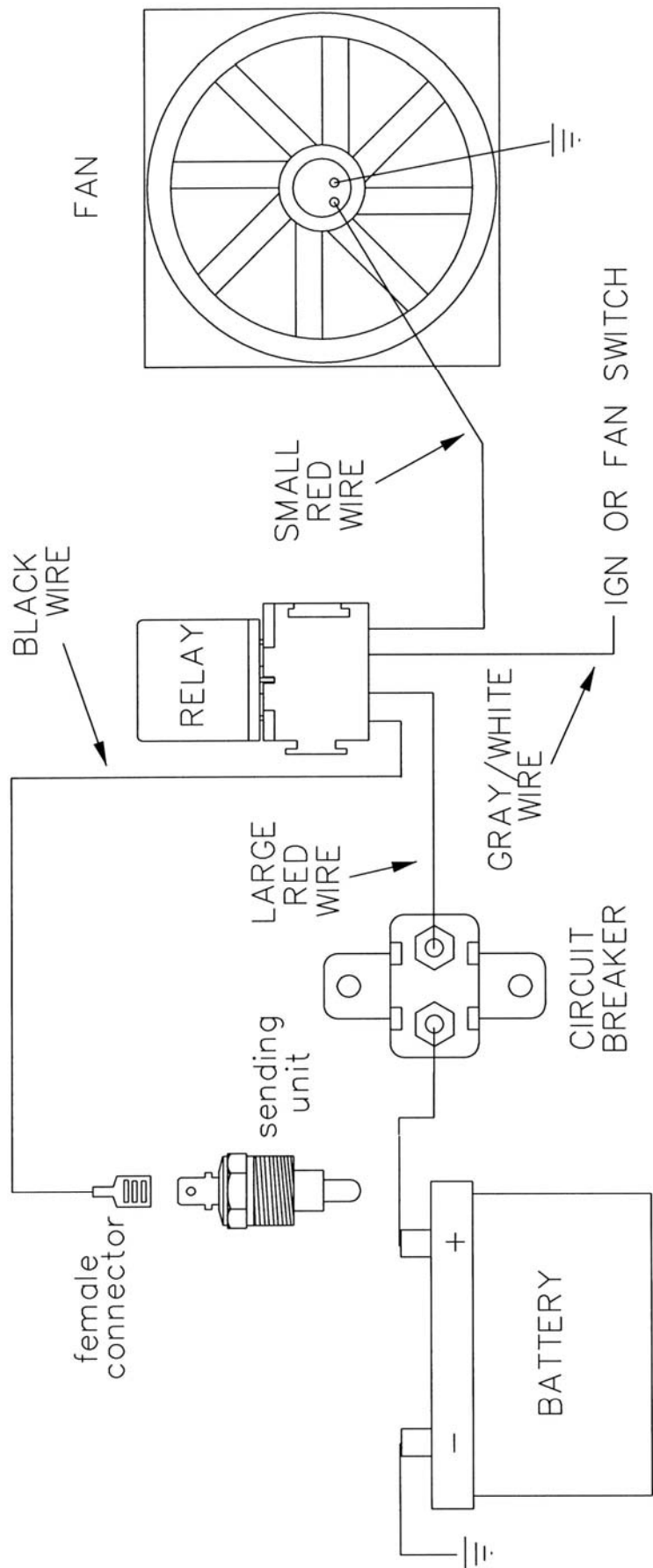
1. Mount the relay under the hood in a convenient location as close to the fan as possible.

**NOTE: COPPER SEALING WASHER IS INCLUDED WITH THERMOSTAT. DO NOT USE TEFLON TAPE OR THREAD COMPOUND. FOR PROPER OPERATION, THE THERMOSTAT MUST GROUND THROUGH THE THREADS TO THE ENGINE AND THE ENGINE MUST BE GROUNDED.**

2. Install thermostat into the head. If you are using the driver's side head for the ECM temperature sensor, there is an available port at the back side of the passenger head. Remove the plug in that port and install the thermostatic switch there. Route the black wire to the thermostat and cut to length. Crimp the red terminal onto the black wire and attach to the thermostat.
3. Route and connect the red wire to the Fan "+" Terminal or power wire coming from the fan motor. Printed "to Electric Fan".

**NOTE: WITH THIS RELAY YOU CAN OPERATE A FAN RATED UP TO 30 AMPS OR TWO FANS AS LONG AS THE TOTAL CURRENT DRAW FOR BOTH IS LESS THAN 30 AMPS.**

4. Mount the circuit breaker provided in a convenient location as close as possible to whichever power source (battery or large terminal on the starter solenoid) you are using for the fan relay.
5. Neatly route the red wire from the relay to one side of the circuit breaker installed in step 5. Cut to length and install using a small yellow ring terminal. With another small yellow ring terminal take the remaining red wire and connect the unused post on the circuit breaker to the battery source. This wire is printed "to Battery/Constant Hot"
6. Route the gray/white wire to the ignition switch or the fan switch whichever is more convenient.



## **Painless Performance Limited Warranty and Return Policy**

Chassis harnesses and fuel injection harnesses are covered under a lifetime warranty. All other products manufactured and/or sold by Painless Performance are warranted to the original purchaser to be free from defects in material and workmanship under normal use. Painless Performance will repair or replace defective products without charge during the first 12 months from the purchase date. No products will be considered for warranty without a copy of the purchase receipt showing the sellers name, address and date of purchase. You must return the product to the dealer you purchased it from to initiate warranty procedures.