



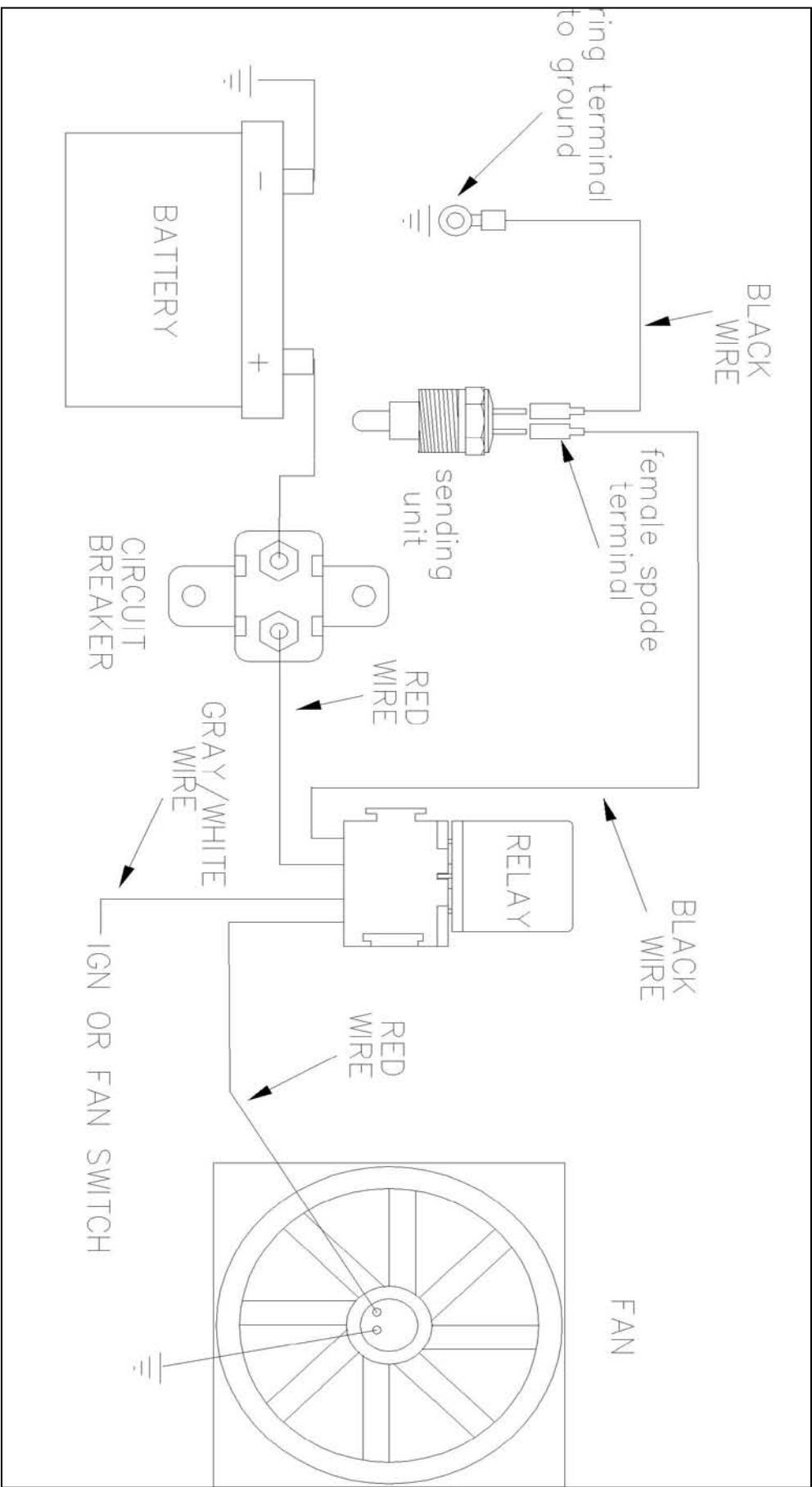
## 30103

### FAN RELAY WITH THERMOSTAT INSTALLATION INSTRUCTIONS

1. Mount the relay under the hood in a convenient location as close to the fan as possible.
2. Install thermostat into the head or intake manifold. Route the black wire from the relay to the thermostat and cut it to length. Crimp one of the red female spade terminals onto the wire and attach it to the thermostat. Take the rolled up black wire and crimp the other red female spade terminal to one end. Attach this end to the thermostat. Route and attach the other end of the wire to a good ground. Use one of the supplied ring terminals to make this ground connection.
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. Route the red wire from the relay to one side of the circuit breaker installed in step 4. 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 fan switch; whichever is more convenient. This wire must see an ignition switched 12 volts in order for the relay to operate. If you apply battery 12 volts to this wire, the fan will run until the thermostat senses the engine has cooled off to below 175 degrees Fahrenheit.



## **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.