



Wiring Instruction Sheet

Kit Description:

- Fan Relay Harness (SPFRH)
- Fan Relay Harness w/ 195 temperature switch (SP195FH)

Kit Contents:

- Relay with socket and fuse holder, fan harness, temperature switch, connectors and shrink tubing

Overview:

- We designed our fans wiring harness to enable the simplest installation of our performance fans. It is compatible with all types of vehicles and can be installed on positive or negative ground vehicles without modifications.

Installation of Electric Fan:

- The Electric fan should cover as much radiator surface as possible.
- The fan should be mounted as high on the radiator as possible.
- The spacing between the radiator and the electric fan should be approximately 3/8" to maintain airflow through the core. **Important – DeWitt's** recommends using their selected Corvette radiator bracket to fit your specific needs. Please call (517) 548-0600 for help determining your needs.
- **Important – Do not attach fans through the radiator core.** This may have worked with copper/brass radiators, but aluminum is much thinner and will tear the tubes. **Attaching through the core will VOID DeWitt's Warranty.**
- Do not bend or force fan for mounting purposes. This may cause damage to fan or radiator, voiding warranty.

Installation of the Temperature Switch:

We have three different temperature switches available. The SP195 comes with the SP195FH, which is most common. The following switches are designed to work as follows.

- SP185 – comes on at 185 and off at 165 (Note 1)
- SP195 – comes on at 195 and off at 175 (Recommended)
- SP210 – comes on at 210 and off at 190

Note1 Lower temperature switches do NOT make you run cooler. This temperature switch may cause your fans to run continuously.

Note2 Switches have an accuracy of +/- of 5 degrees.

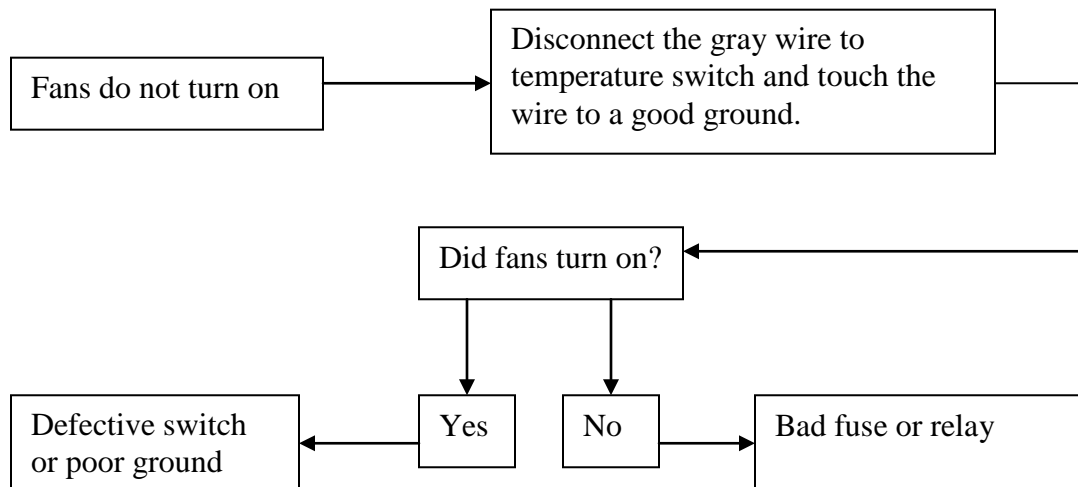
Since these are aftermarket fans; there is no factory port to put the temperature switch. You will have to **create** a place for it and there is several ways to do this. The switches have a 3/8" NPT thread and the kit includes an adapter (1/2 to 3/8) if needed. We have come up with some suggestions below, but ultimately it is up to you to decide what works best for your application.

- Purchase an aftermarket thermostat housing with 3/8" ports in the top
- Howe Racing offers an adapter that goes under the thermostat cover
- Some water pumps have 1/2" plugs in them
- Create a Tee in the heater hose line
- Some heads have 1/2" plugs, if you can get them loose

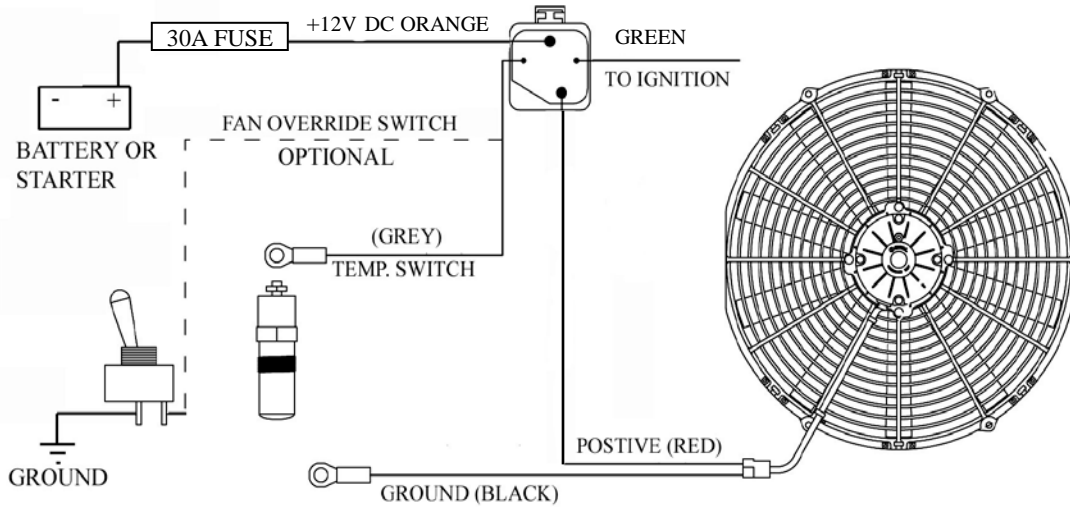
Note: As an added convenience all DeWitt's radiator & fan combination packages come with the temperature switch pre-installed in the radiator end tank.

Trouble-shooting tips

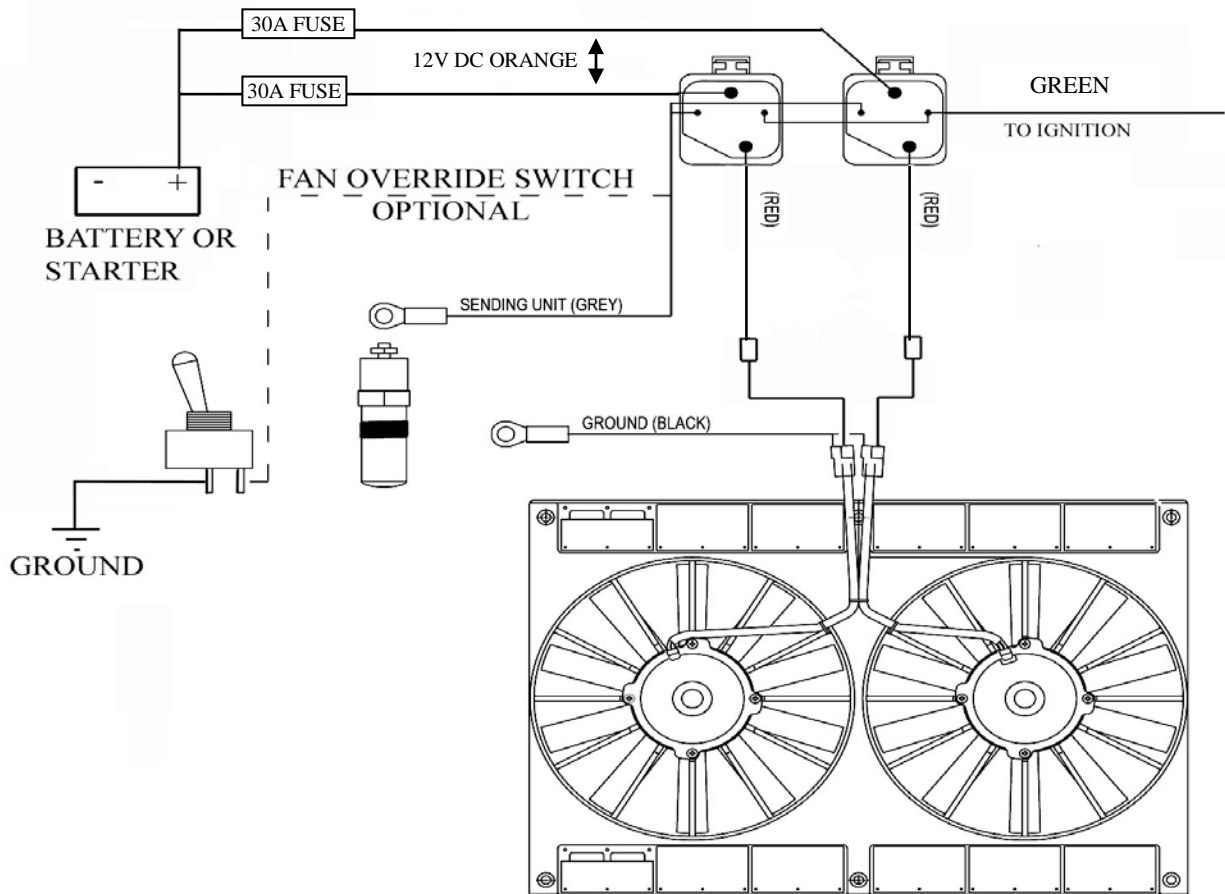
If your fans fail to operate; confirm the wiring and all connections are correct using the diagrams in this instruction sheet. If the fan/fans fail to cycle after running normal the following steps should help determine the source of the problem.



Single Fan Wiring



Dual Fan Wiring



DeWitts recommends you wire fans per the above schematics. If you prefer to have the AC trigger the fans you must install an additional FRH shown below. The disadvantage of this method is the fans could be running when airflow is not required. It may also spike the electrical system; as both the AC and fans will turn on together

