



GC Cooling
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Standalone Smart Fan Wiring Instructions V.1

Parts Included:

| | | | |
|-----------------------------|---------------------------------|---------------------------------------|---------------------------|
| (1) Smart Fan Module | (1) 35 Amp Fuse | (6) Zipties | (2) Ring Terminals |
| (4) Butt Connectors | (1) Temp Sensor | (1) Fuse Holder | (1) Heat Shrink |
| (12") Solder | (2) Gold Spade Terminals | (1) White Mating Fan Connector | |

Overview:

The GC Cooling Smart Fan Module is the next generation of cooling fan technology. With the ability to be mounted virtually anywhere, we make the installation process as simple as possible with minimal work required. Our standard Module is programmed to turn the fan on at 50% at 150 Degrees and linearly ramps to 100% at 200 Degrees.

Installing module in vehicle:

First mount the Standalone controller to secure location in vehicle (recommended inside engine bay) Double check screws for a secured mount.

Wiring your fan

In preparation of wiring first layout wire route to fan in engine bay. Make sure to keep extra slack for wire tying in place.

next, strip off 1/4" wire jacket from the black and red wire coming from the standalone controller. Using the provided Gold Terminals, crimp the terminal with a wire terminal crimper (**see figure 6**) or if you do not have a crimper, use needle nose pliers to crimp terminal around wire and solder wires to terminals for a secured connection (**see figure 2-5**) Lastly, insert gold terminals into white mating fan connector to corresponding colored wire from fan. (**black to black, red to red**) once inserted, pull wire to check for a secured, locked connection in mating fan connector.

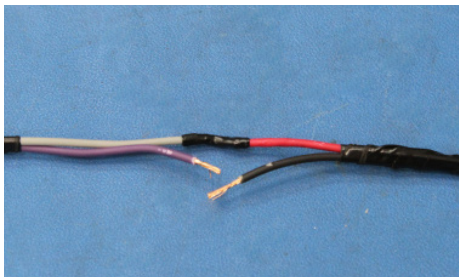


FIG 1



FIG 2

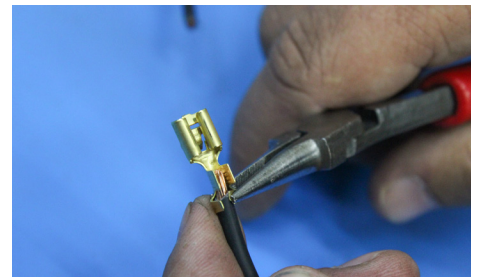


FIG 3



FIG 4

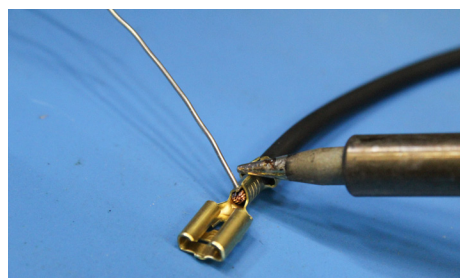


FIG 5



FIG 6

Wiring:

Yellow: (10 awg.) Connect Yellow wire to fuse holder, with supplied yellow butt connector; route to battery. Fuse holder needs to be within 18" from power source.

Black: (12 awg.) Connect to ground Temp Sensor connecting wires

Temp Sensor connecting wires: Connect Grey from fan switch to red of the sensor. Purple from Module to Black of the sensor. We recommend soldering these connections and covering with Heat Shrink Supplied

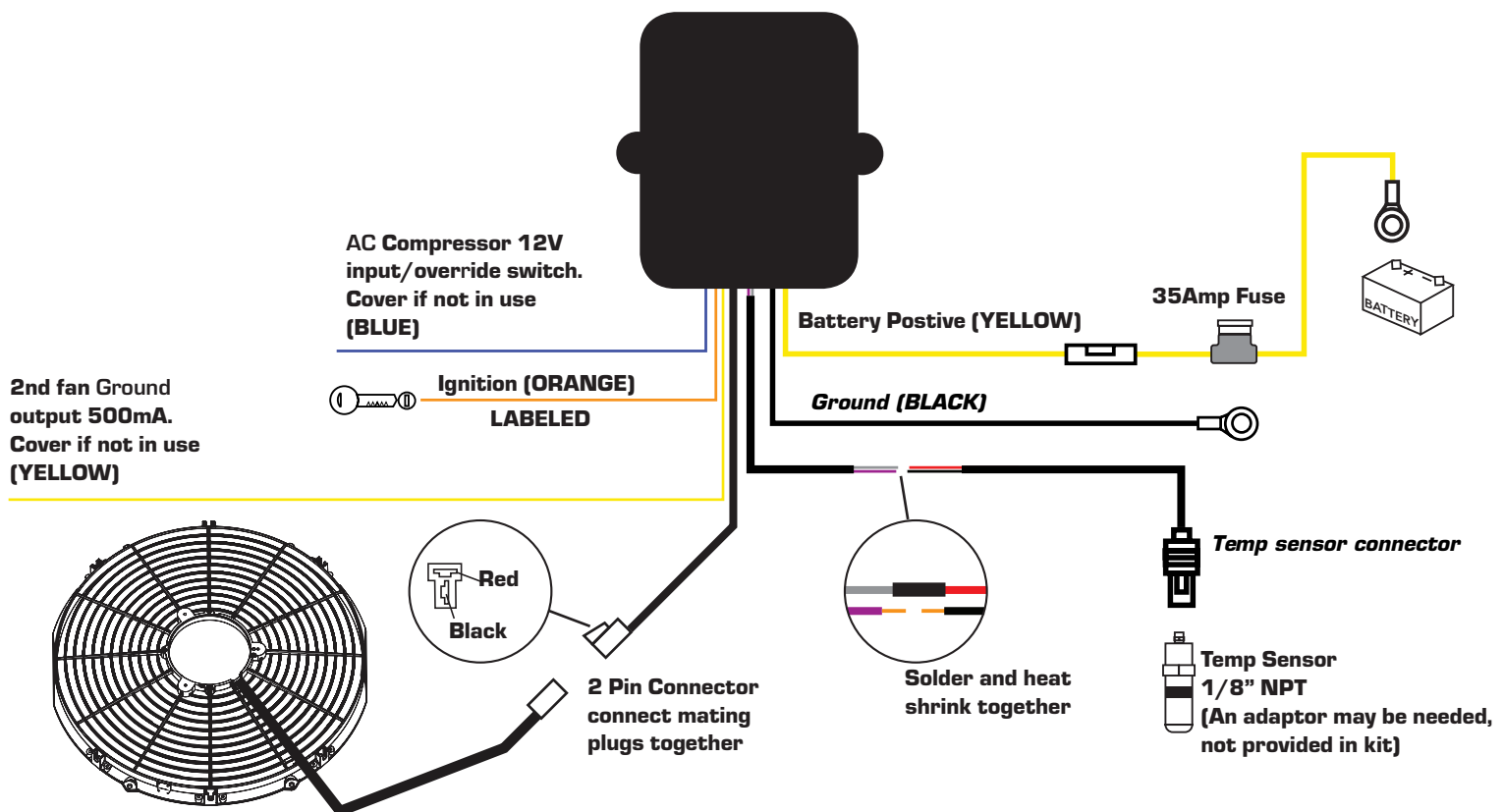
Yellow: (second fan output) : (18 awg.) 500 mA ground output for secondary fan relay operation.

Blue: (18 awg.) Connect to 12V A/C compressor trigger; this will turn the fan(s) on at 100% when A/C is running (+12 Volt activation) or if not connected to A/C, can be connected to toggle switch for manual override.

(CANNOT BE USED IN COMBINATION)

Orange (18 awg.) Connect to switched 12v (IGN or ACC)

*** IF SECOND FAN OUTPUT (ORANGE) AND/OR AC INPUT (BLUE) ARE NOT IN USE, USE PROVIDED HEAT SHRINK TO TERMINATE WIRES ***



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