## **HEMI-JK PWM-CAN FAN CONTROLLER (POS-NEG)**

- (30) SW12 volts ( PINK )
- (31) Ground (BLACK)
- (X) Negative Fan Input ( BLUE ) optional
- (C) Positive Fan Input (VIOLET) optional
- (87) PWM Signal Output (GREY)
- (H) CAN + High (White Black)
- (L) CAN Low (White Blue)

PinkWire to switched 12voltsBlackWire to groundGREYWire to PWM fan signal wireBLUEINPUT 1 (optional)VIOLETINPUT 2 (optional)White - BlackWire to CAN + HighWhite - BlueWire to CAN - Low

### **Operation:**

When the engine is running the PWM fan will run at a *low Idle* speed (15%). The module will read the engine temp and it will command the fan to the desired %.

- 200 degrees = 30%
- 205 degrees = 50%
- 210 degrees = 60%
- 218 degrees = 75%
- 220 degrees = 100%

### AC Pressure Monitoring:

This module will monitor the AC pressure and will adjust the fan speed based on the pressure. It will always command the highest speed requested.

**Override inputs:** These are optional inputs depending on if you ordered them. These inputs will run the fan as long as the unit is powered up, the engine does **not** have to be running for these to work. You can use these in various ways. Example: AC input signal to run the fan at a higher speed when the AC is on or for a override switch to command the fan on.

: When the (VIOLET 2) wire has 12 volts applied the fan will run at SET speed.

: When the (BLUE 1) wire is Grounded the fan will run at SET speed.



#### Common areas to pick up CAN High and Low are:

At The ECU 07-11 JK or older HEMI with 4 plug ECU C1-34 WHT-BLK. CAN + HIGH C1-35 WHT-BLU. CAN - LOW





You will be splicing into the CAN wires: Find the wire you want to splice into and peel back a little insulation. Take the new wire and strip off a little insulation and wrap it around the exposed wire. Solder and tape up as seen in the picture below.







# 2012-2018 JEEP JK C1

