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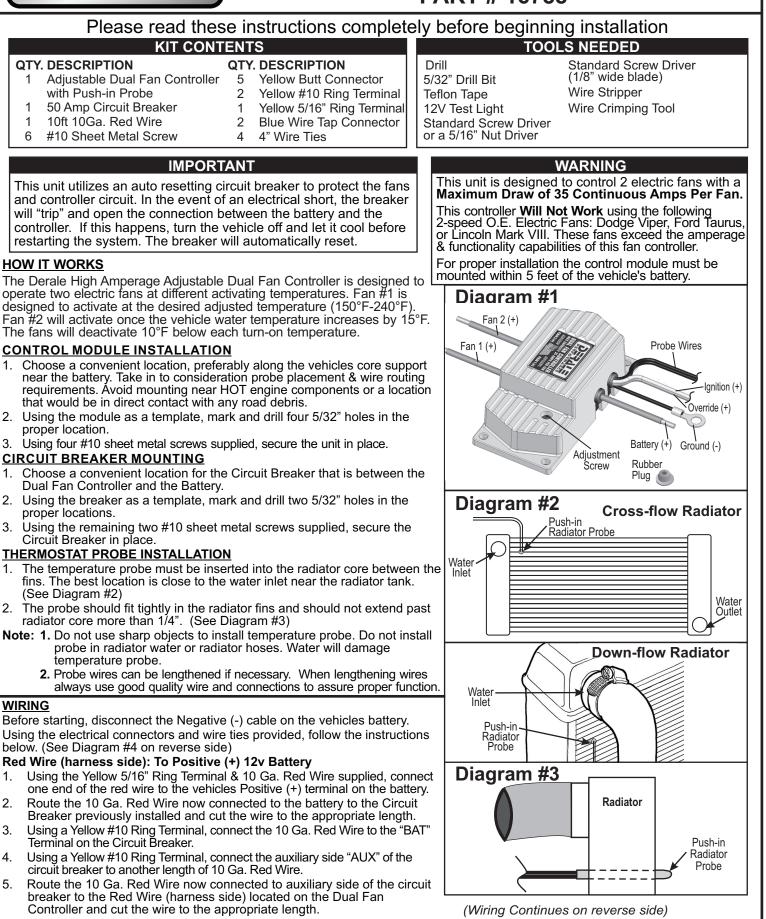
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INSTALLATION INSTRUCTIONS ADJUSTABLE DUAL ELECTRIC FAN CONTROLLER **PART # 16788**



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6. Connect wire using the supplied Yellow Butt Connector.

Red Wire (closest to adjustment screw): To Fan #1 Positive (+) Electric Fan Lead

- 1. Using a Yellow Butt Connector and the supplied 10 Ga. Red Wire, connect one end of the red wire to the #1 Electric Fan positive (+) wire.
- 2. Run the 10 Ga. Red Wire connected to the #1 Electric Fan positive lead to the Red Wire (closest to the adjustment screw). Cut the wire to the appropriate length.
- 3. Connect wires using one of the supplied Yellow Butt Connectors.

Red Wire (furthest from adjustment screw): To Fan #2 Positive (+) Electric Fan Lead

- 1. Using a Yellow Butt Connector and the supplied red wire, connect one end of the 10 Ga. Red Wire to the Fan #2 (remaining fan) positive (+) wire.
- 2. Run the 10 Ga. Red Wire connected to the Fan #2 positive lead to the Red Wire (furthest from the adjustment screw). Cut the wire to the appropriate length.
- 3. Connect wires using one of the supplied Yellow Butt Connectors.

Black Wire (with attached ring terminal): To Chassis Ground (-)

Remove one of the #10 Sheet Metal Screws holding down the fan controller housing and install the grounding ring terminal. Replace screw and ensure a tight secure connection. **Note:** Make sure the location where the fan controller is located is properly grounded. If it is not, the black wire will need to be run to another suitable chassis ground location.

Yellow Wire: To Positive (+) 12v Ignition Source

Attach the wire harness containing the yellow and green wires to the controller in the proper orientation.

Using the Blue Wire Tap Connector supplied, attach the Yellow Wire from the harness to a positive (+) switched ignition source. **Note:** If the yellow wire is connected to a constant power source (battery) the electric fan will run after the vehicle is shut off and could run down the battery.

Green Wire: Override Circuit (Optional)

The green wire is designed to work in two different configurations. When used, this will allow Electric Fan #1 to be turned on regardless of the temperature of the thermostat as it simply overrides all other functions. If you choose to not use this option cut any exposed copper and tape or shrink wrap the end of the wire.

- 1. A/C Override Using the Blue Wire Tap Connector provided, attach the green wire to the positive lead on the A/C compressor.
- 2. Manual Switch Override Attach the Green Wire to the manual switch (not provided). For Manual Switch installation always follow manufactures instructions.

WARNING: DO NOT ADJUST TEMPERATURE UNTIL AFTER VEHICLE IS RUNNING! <u>VEHICLE TESTING</u>

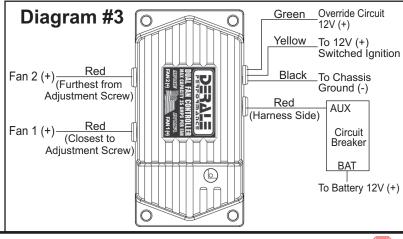
- 1. Before you start the vehicle, make sure all wires are safely zip tied and away from any moving parts.
- 2. Start the vehicle.
- If the Manual Override function is being used either turn on the A/C of the vehicle or flip the Manual Switch on. Electric Fan # 1 should start running immediately.
- 4. Turn off the Manual Override or A/C function & allow the engine to warm up to desired operating temperature.
- 5. If the electric fan has not turned on, take a Screw Driver and turn the Adjustment Screw counter clockwise in small increments until the first fan starts.
- 6. Allow the electric fan to run and shut off automatically, and possibly cycle on again. If the electric fan turns on too early, turn the Adjustment Screw clockwise.
- 7. Once you have the fan cycling on and off using the control module, take the vehicle for a short test drive. For personal preference, some additional adjustment may still be necessary.
- 8. Make sure the Rubber Adjustment Plug is securely in place.

TEMPERATURE ADJUSTMENT

- Remove the Rubber Adjustment Plug on the Control Module. (See Diagram #1)
 Note: Each full rotation of the adjustment screw will change the activation temperature by approx. 3 1/2°F.
- Turn adjustment screw counter clockwise to lower the fan turn-on temperature.
- 3. Turn adjustment screw clockwise to raise the fan turn-on temperature.
- 4. Replace the Rubber Adjustment Plug.

RECALIBRATING THE CONTROL MODULE

- 1. Turn adjustment screw clockwise 22 full revolutions. **Note:** The adjustment screw will clutch at this point.
- Turn adjustment screw counter clockwise 11 full revolutions. This will calibrate the unit to appx. 180-190°F.



Please direct all technical questions to our Derale tech line at (800) 421-6288 💷

Warning: Installation of accessories should only be undertaken by those with mechanical knowledge and are familiar with working on vehicles. Always use eye protection (goggles, safety glasses or shield). Park the vehicle in a well lit area, on level ground and apply the parking brake. Only work on a cold vehicle that has been sitting overnight, failure to do so will result in severe burns and injury. Before starting the vehicle, make sure no tools or any other items are left under hood that could interfere with or be drawn into moving parts of the engine. Failure to follow instructions can lead to severe damage and personal injury.

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