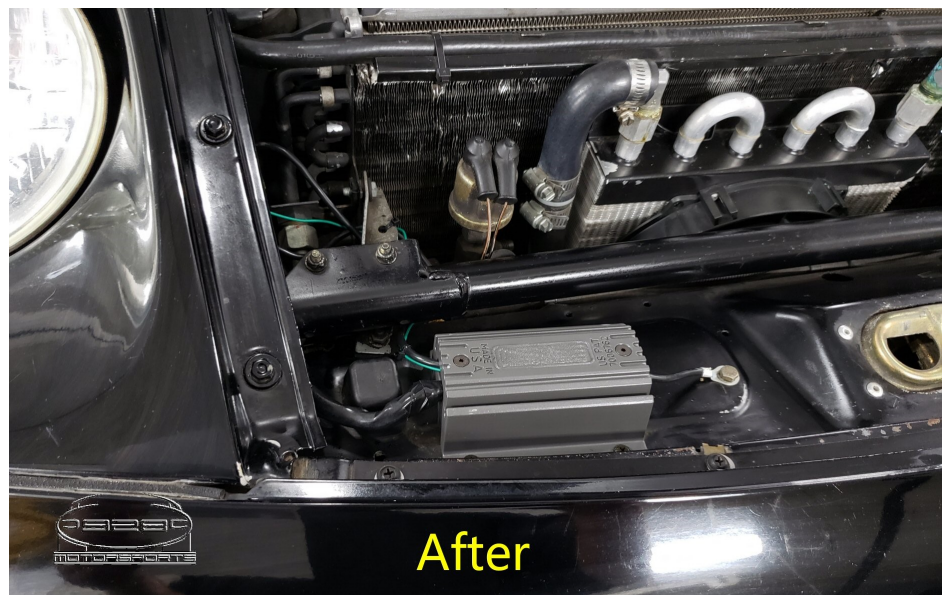
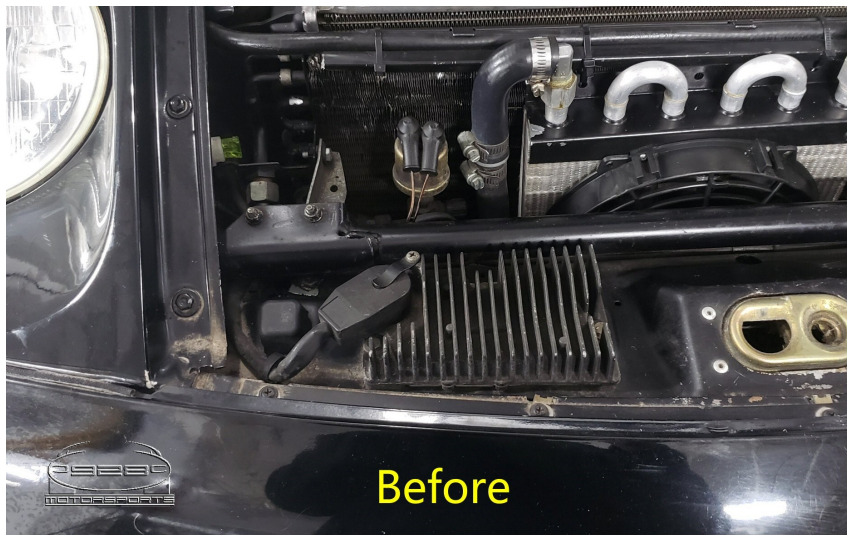




## Installing the Master Fans Controller

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This fan controller will replace both of the stock fan control units in your 928. It will mount where the original fan output amplifier is, and will use the same wires. The fan controller unit (located in the passenger compartment) will no longer be used and does not have to be removed.



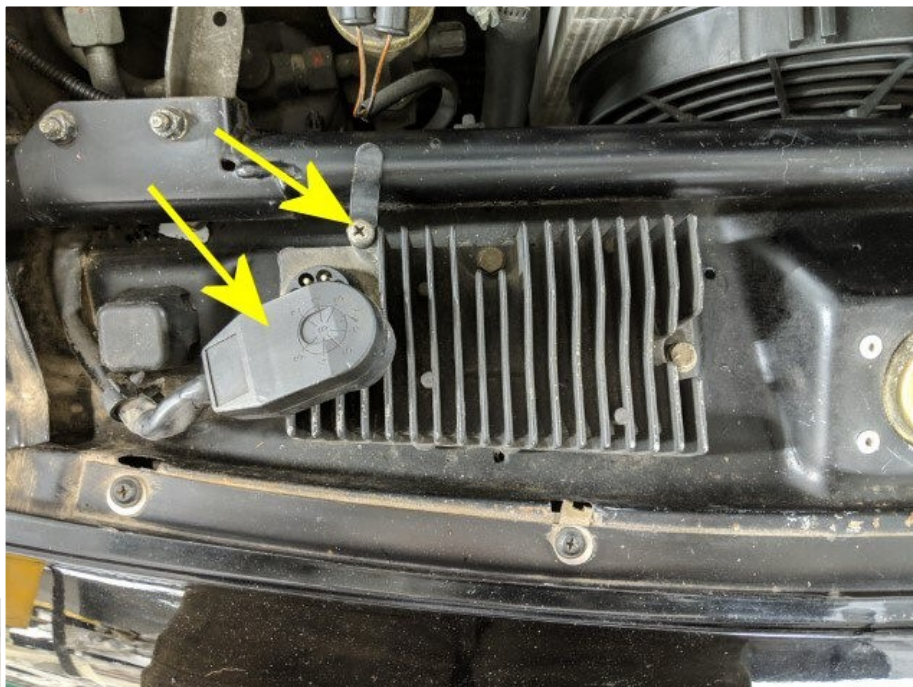


## Installing the Master Fans Controller

### Installation:

**WARNING** Two of the wires leading to the fan amplifier unit are ALWAYS HOT, even if the engine is off. You will be working with those wires, so you must **DISCONNECT THE BATTERY** before beginning this project!

- 1) Loosen the Philips screw holding down the amplifier connector, swing it away, and unplug the wiring connector from the amplifier unit.



- 2) Remove the mounting bolts and the amplifier from the car.

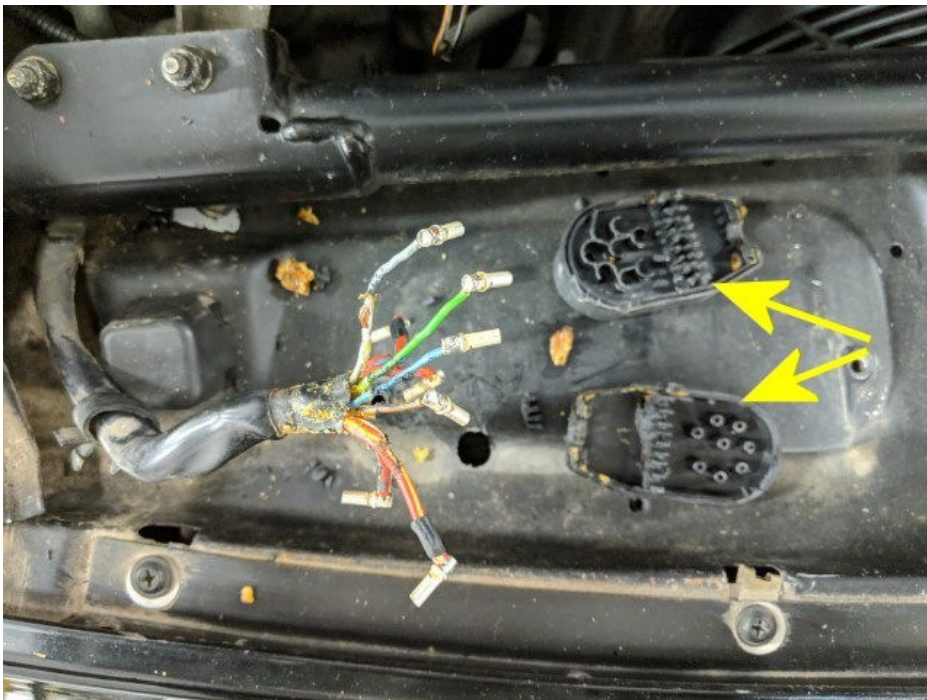




## Installing the Master Fans Controller

3) Separate the wiring connector from the wiring bundle. It comes off in two pieces as shown. Take care not to damage the wiring leading into the connector. You will likely have to destroy the connector to get it apart, but do not worry, you will not need it again.

Open the first inch or two of the wire loom so that it is easier to separate and clean the wires (they will have some sealant sticking them together).

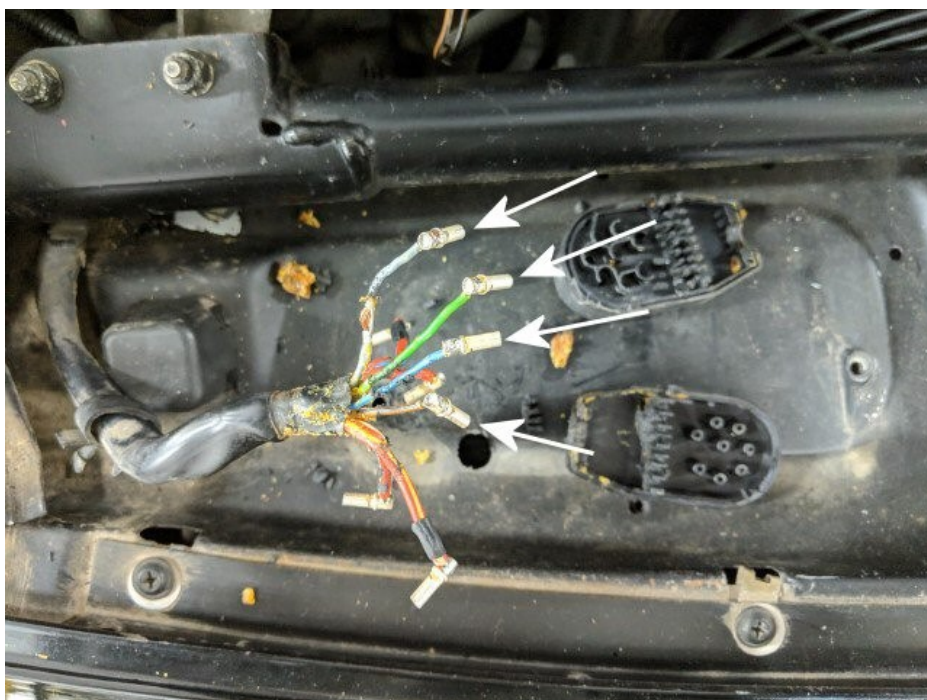


Inside, you will find eight wires in the following colors:

- Light blue
- Blue
- Green
- Brown
- Red
- Red with blue stripe
- Red with white stripe
- Red with yellow stripe

The light blue, green, blue, and brown w/black stripe wires will not be used again. They are the ones shown here with white arrows.

Clip off the ends of these wires at different lengths from each other and wrap them with insulating electrical tape.





## Installing the Master Fans Controller

- 4) Place your new fan controller in position, and attach it to the car with the screws provided. Then remove the two small screws that hold on the cover, and the cover. Make sure you mount the controller within reach of the wires in the loom you just opened.

CONNECT WIRES FROM THIS WIRING LOOM ONLY AT THIS TIME

- 5) Put ring terminals on the red wire and the red w/white stripe wire, and connect them to the post in the lower left corner of the controller labelled BATTERY.
- 5) 6) Put ring terminals on the red wire /blue stripe and the red w/yellow stripe wire, and connect them to the post in the lower right corner of the controller labelled FANS. These two wires power the two fans on your radiator. You can add more fans to this post as long as the total amperage draw of all the fans is 65 amps or less.





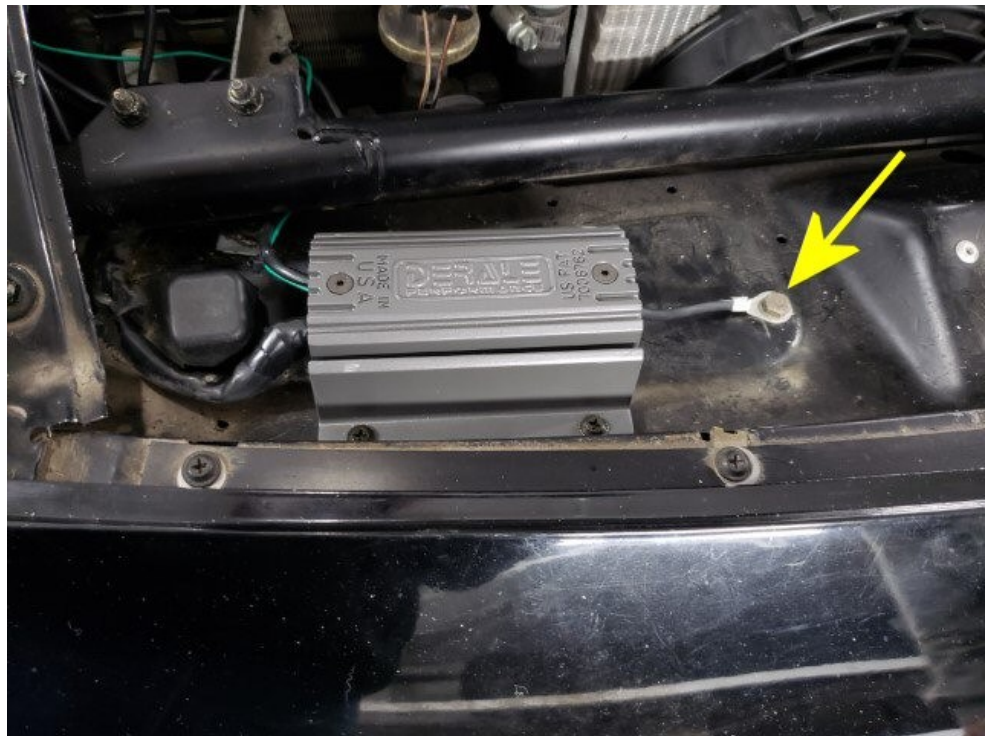
## Installing the Master Fans Controller

### CONNECT THE OTHER WIRES

- 7) From your kit, locate the temperature sensor. Follow the instructions from the manufacturer to place it where it can get a good reading of radiator temp. This can be on the radiator end tank. On the 928, this will be on the left end tank (as seen from the driver's seat). Using the self-adhesive pad supplied, attach the sensor on the radiator end tank above the lower radiator hose.

Route the two wires from the temp sensor to the controller. Connect the red wire from the sensor to the post labelled SENSOR in the upper left corner of the controller. Connect the black wire to the GROUND post in the center of the controller.

- 8) Make up a ground wire from the black wire and ring terminals provided and connect it to the chassis on one end, and the post labelled GROUND on the other end. We connected it to one of the original mounting screws for the old controller in this picture.



- 9) Find the single wire that runs to the AC compressor on your 928. There is only one. Using the small green wire from your kit and a scotchlok (provided), connect the green wire to the AC lead on one end, then route the green wire around and to the controller where you will attach it to the post labelled A/C. This is the A/C over-ride, so that the fans come on immediately when the A/C is turned on.





## Installing the Master Fans Controller



Your installation should now look like this:

Connect the battery, and start the car. The fans should not come on immediately, but as the engine warms up, you should see the fans start (at about 60% of their max speed) as the engine warms up—getting faster and faster as the temperature rises.

You should also check that turning on you're A/C turns the fans on too.

To adjust the temperature setting where the fans will begin to turn on, follow the instructions within the manufacturer's documentation. It is easy.

When you have confirmed the controller is working correctly and you are happy with the temperature setting, install the cover over the controller module with the two screws you removed earlier.