

Supplemental Information for 231-678 FAN KIT, ELECTRIC, 10 IN 231-688 FAN KIT, ELECTRIC, 12 IN 231-658 FAN KIT, ELECTRIC, 14 IN

About These Fans...

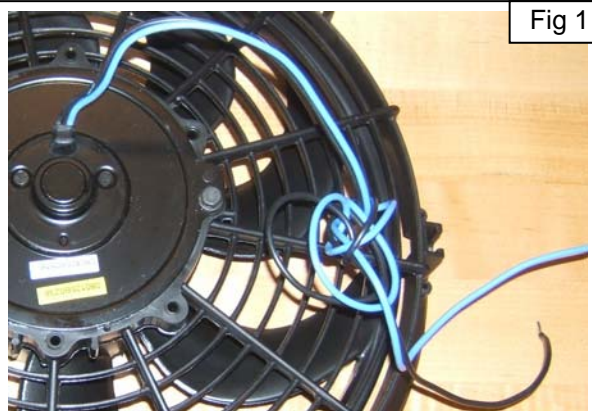


Fig 1

The instructions with this kit are adequate, but we have had customers call us because they were confused about the installation. The manufacturer puts a large sticker (Fig 2) on the fans (at least all the ones we checked) and it clearly states "**POSITIVE WIRE: BLACK**". If you connect the black wire to power, and the blue wire to ground, the fan will act as a pusher, as required when you put the fan in front of the radiator. If you hook up the BLUE wire to power, the air flow is reversed, which will be required if the fan is mounted behind the radiator. For optimal performance, the fan blade must be reversed if the wires are reversed.

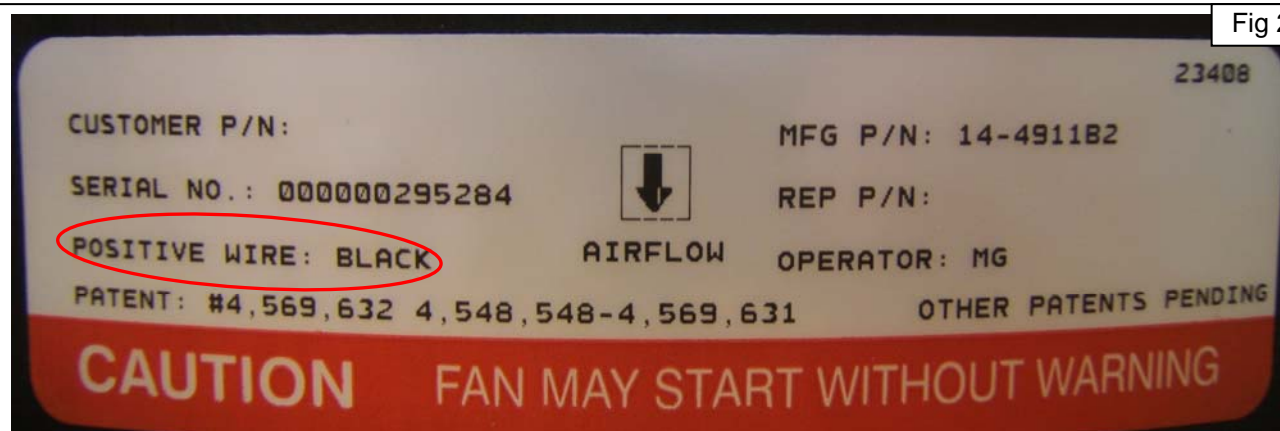


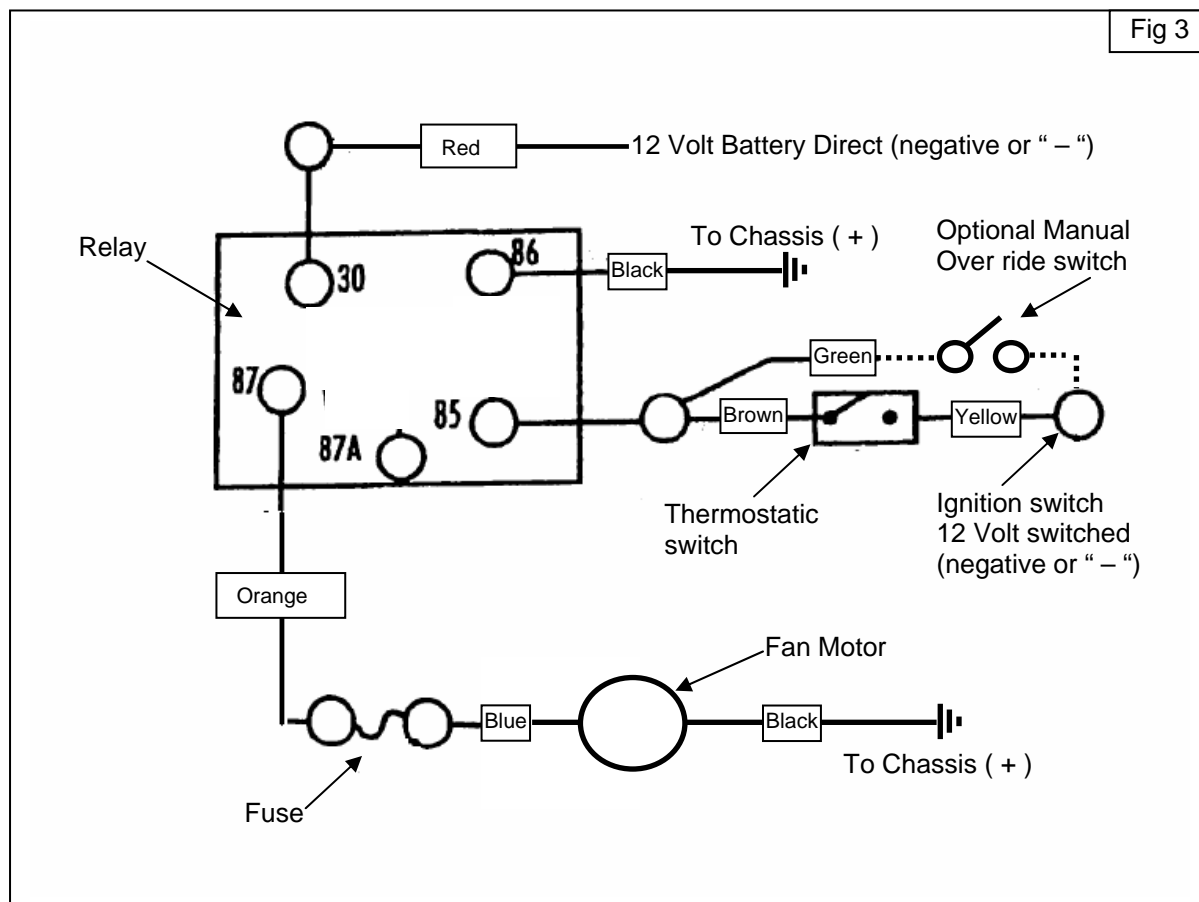
Fig 2

We regret that Moss Motors does not have detailed instructions for installing these fans in various British cars. Detailed instructions would certainly be a great help. To that end, we would like to hear about your installation. Your notes and photographs will be incorporated into this document and we will list you as the contributor (unless you prefer anonymity!).

What we do have are some basic wiring diagrams, referring to the manufacturer's wiring harness and the relay included in the kit. They cover the five basic installations:

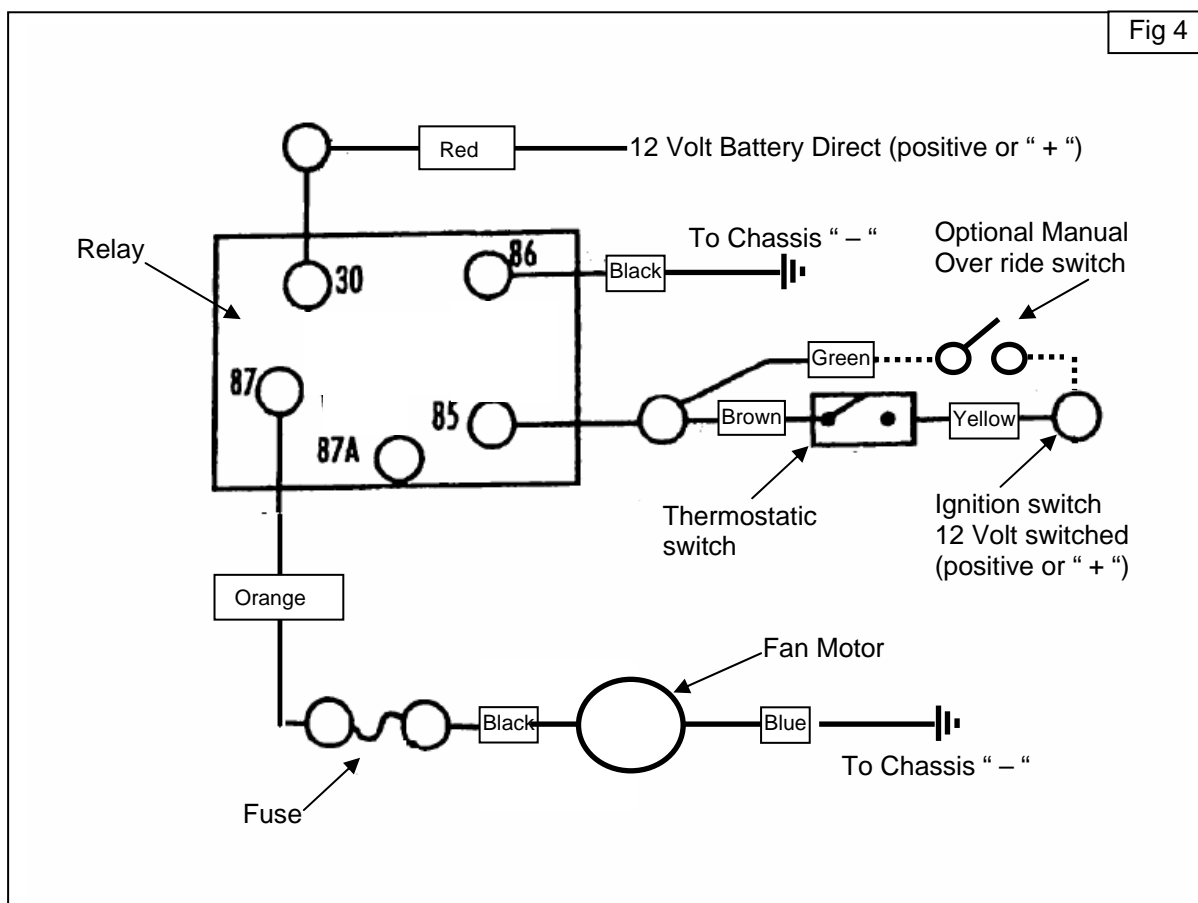
- Positive Ground, Pusher (In Front of Radiator)
- Negative Ground, Pusher (In Front of Radiator)
- Positive Ground, Puller (Behind Radiator)
- Negative Ground, Puller (Behind Radiator)
- Negative Ground, Puller (Behind Radiator), with Air Conditioning

Positive Earth or Positive Ground “Pusher” (Fan in front of radiator)



Please Note: At the time this was prepared, the wiring connections on the fan motor are as shown, based on the large sticker affixed to the fan (see Fig 2). Please check the fan and read the sticker carefully, as the manufacturer may change their specifications without notice.

Negative Earth or Negative Ground "Pusher" (Fan in front of radiator)



Please Note: At the time this was prepared, the wiring connections on the fan motor are as shown, based on the large sticker affixed to the fan (see Fig 2). Please check the fan and read the sticker carefully, as the manufacturer may change their specifications without notice.
If your fan blows the wrong way when hooked up, reverse the blue and black wire connected to the fan motor.

Installing the Fan as a “Puller” (Fan behind radiator)

From the factory, the fan is designed to be mounted in front of the radiator, meaning it is *pushing* air through the radiator core. When the fan is mounted behind the radiator, it is *pulling* air through the radiator. If all you do is to hook up the wires as we show below, the fan will be spinning in the right direction to pull air through the radiator, but the fan will not be very efficient. The fan blade has been designed to move the most air when spinning in one direction. When mounting one of these fans behind the radiator, you must “flip the fan over” so that it will move the maximum amount of air.



Fig 5
Flip the fan over so you can see the nut.

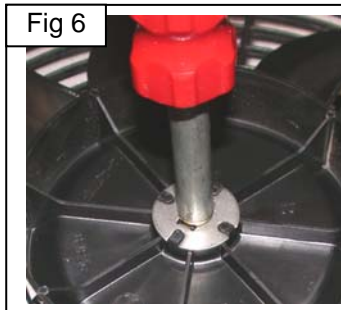


Fig 6
Remove the nut.

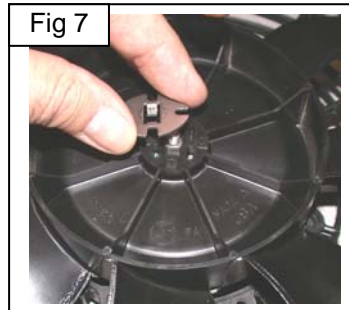
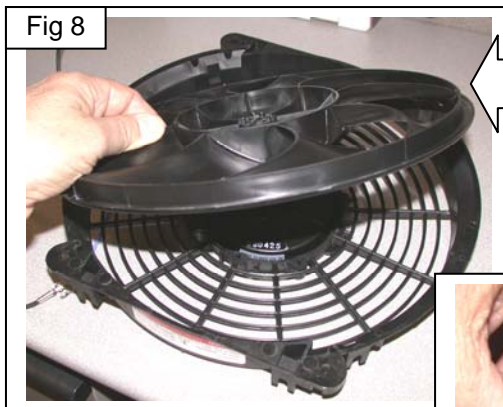


Fig 7
Remove the washer.



Pull the fan blade off the spindle and flip it over.

Replace the special washer. Note that the tabs on the washer are facing down; toward the fan blade.

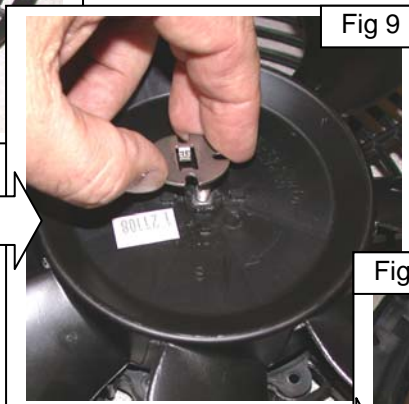


Fig 9
Replace the nut and tighten it.

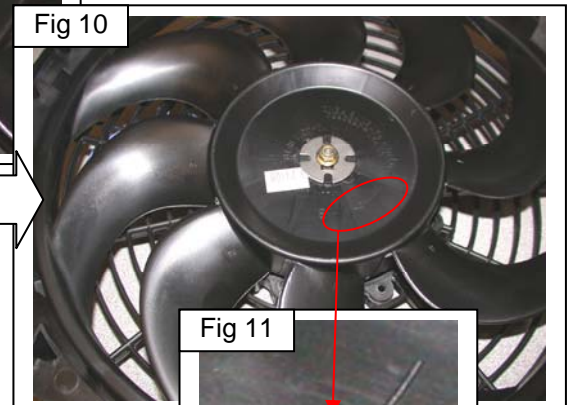


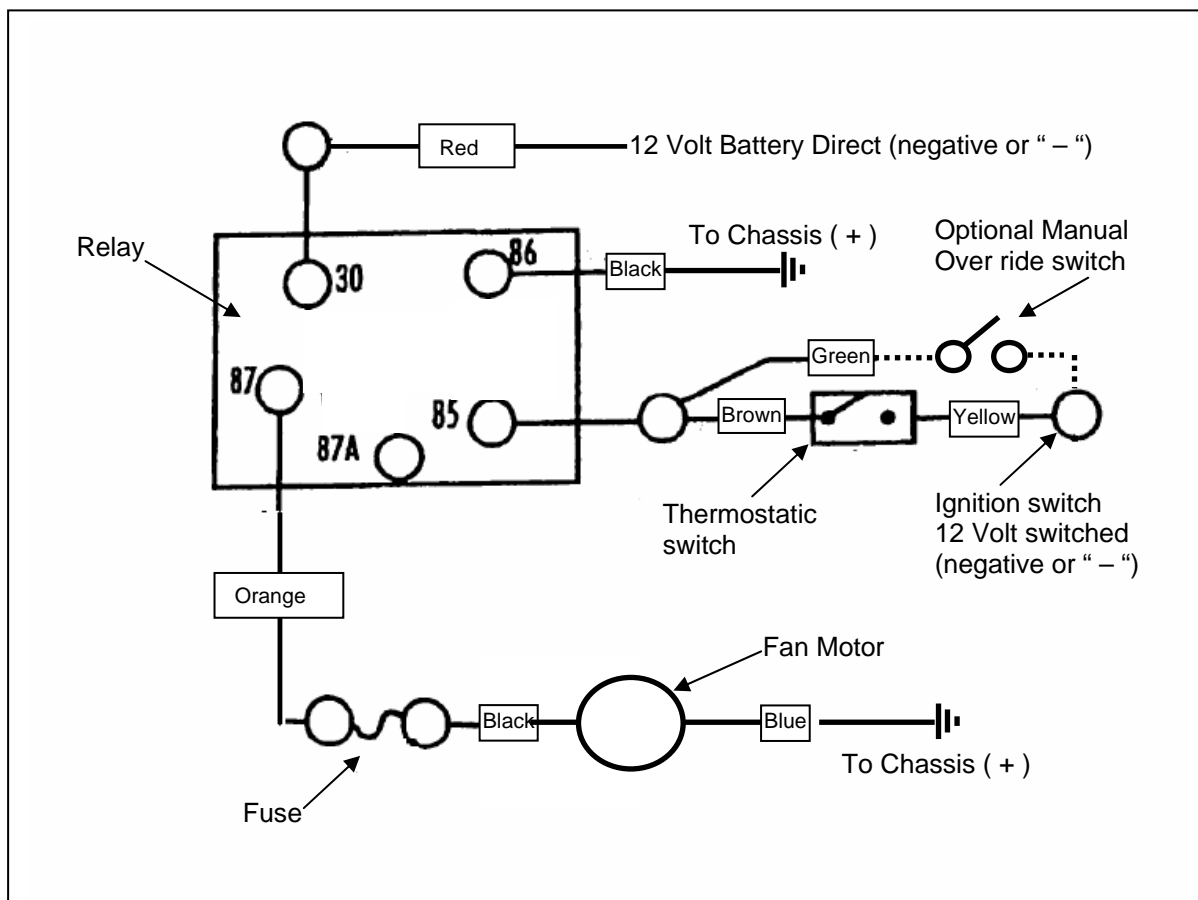
Fig 10
Fig 11



Before you install the fan, check the direction of rotation. Each side of the fan has an arrow showing the proper rotation. Pick the wiring diagram appropriate for your installation. Determine whether the blue wire goes to the positive terminal or the negative terminal. While keeping your fingers out of the way, hook the fan to a 12V battery. Verify that the fan is rotating in the proper direction as indicated by the arrow (Fig 11)

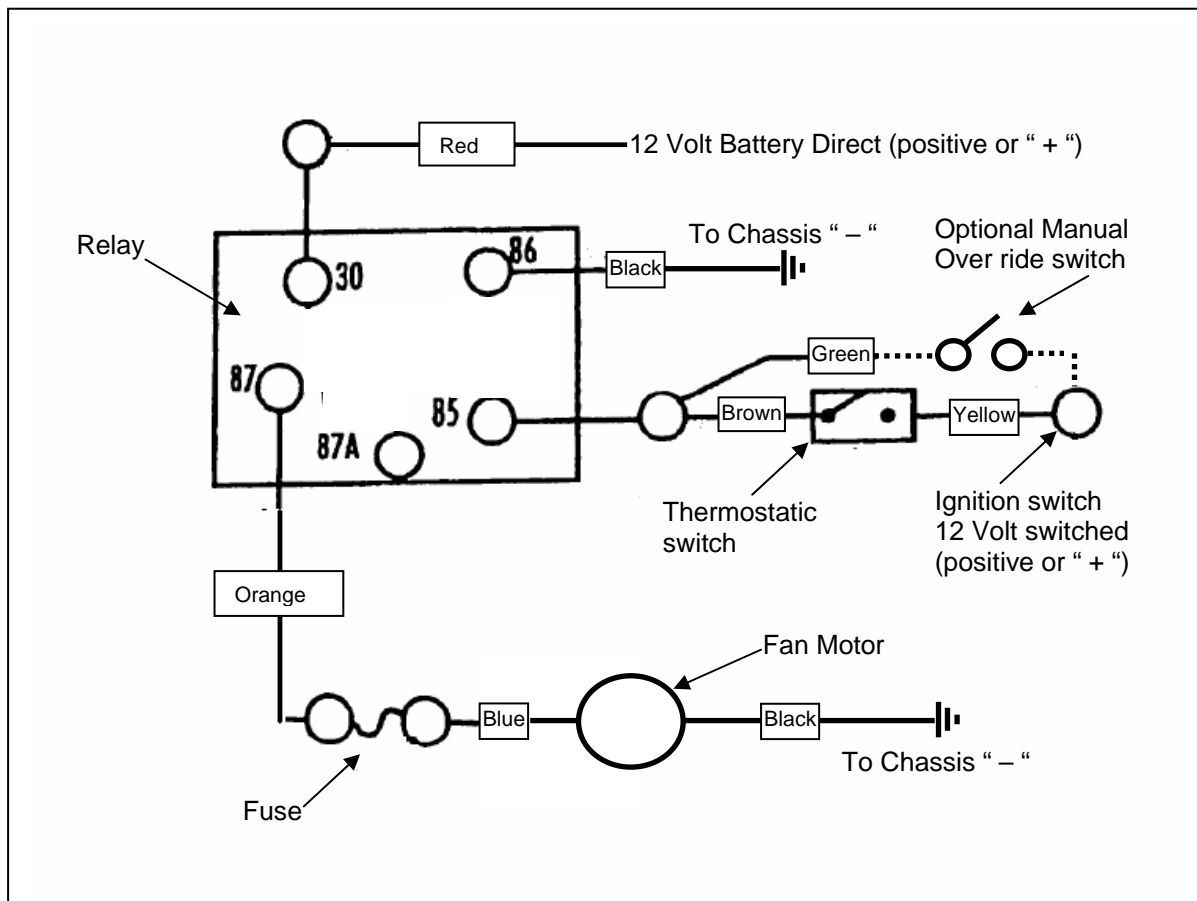
The next two sections cover the wiring for positive and negative ground installations where the fan is behind the radiator.

Positive Earth or Positive Ground “Puller” (Fan behind radiator)



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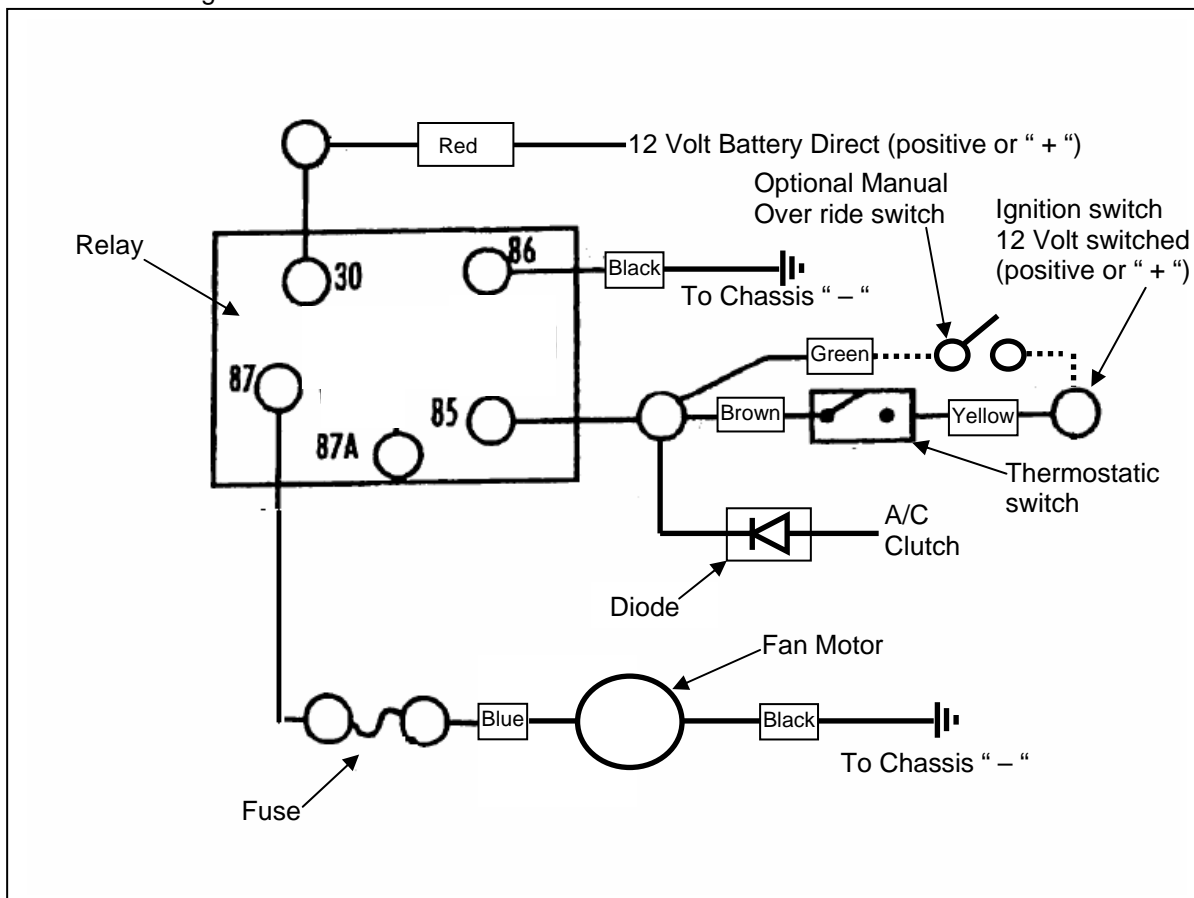
Negative Earth or Negative Ground "Puller" (Fan behind radiator)



Please Note: At the time this was prepared, the wiring connections on the fan motor are as shown, based on the large sticker affixed to the fan (see Fig 2). Please check the fan and read the sticker carefully, as the manufacturer may change their specifications without notice.

Negative Earth or Negative Ground "Puller" (Fan behind radiator)

With Air Conditioning



Please Note: If you have air conditioning, and you want the fan to come on when the A/C clutch engages, you will need to insert a diode to prevent the manual over-ride switch or the thermostatic switch for the fan from affecting the A/C clutch. The diode is not included with the fan. Ask your local electronics supply store for a IN4005 diode.

Although every effort has been made to ensure the accuracy and clarity of this information, errors and/or omissions on our part are almost inevitable. Any suggestions that you may have that will improve the information (especially detailed installation notes) are welcome. Please use the simple email form on the "Contact Us" page on the Moss website: <http://www.mossmotors.com/AboutMoss/ContactUs.aspx>. If you prefer, you may call our Technical Services Department at 805-681-3411. So many people call us for help that we are often not able to answer the calls as fast as we'd like, and you may be asked to leave a message. We apologize in advance for the inconvenience. We will get back to you within 2 business days.



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