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GVW-251-971-281

Stock Vanagon Dash Fan Resistor Replacement for 1983-91 Vanagon

Tools Needed

Fuse Replacement

- Small Jewelry Flat Head Screwdriver or Pick
- DC Power Source (Optional for Bench Test)

Dash and Heater Removal

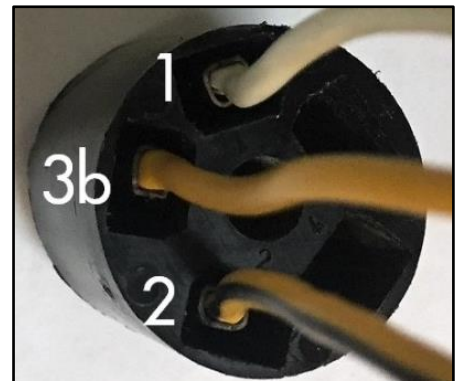
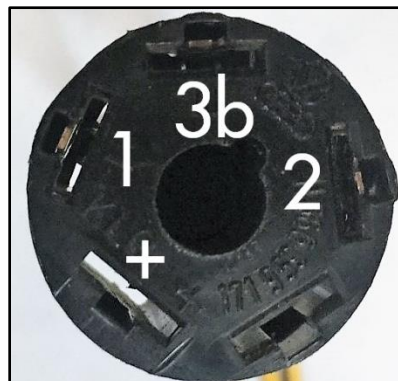
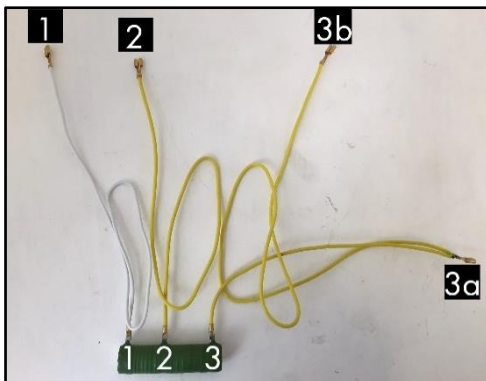
- 24 and 8 mm Sockets
- Needle Nose Pliers
- #3 Phillips Head Screw Driver
- Flat Head Screwdriver
- 2 Clamps (For Coolant Hoses)

DISCLAIMER: This kit has been designed for easy installation. However, it does involve removing the entire dash assembly and electrical wiring. The installation of this kit is not within everyone's ability. Read through these instructions carefully and decide if installing it is for you. If not, please take your vehicle to an automotive professional. Wiring errors can be troublesome and hazardous.

Note: Before attempting this installation, please watch the videos linked to the product webpage including detailed instruction on the dash removal, instrument cluster removal, and stock heater service.

Installation Instructions:

1. First remove your dash. Next remove and open your heater. (This is a rather lengthy process, please reference and follow the linked video instructions)
2. Pry the mounting bracket out from the two ends to release the resistor from the bracket
3. One wire at a time (as to help keep track of each wire), use a small screwdriver or pick to reach inside the connector from the front and release the tab holding the electrical terminal into the plastic housing of the stock resistor assembly. This photo shows the tab that needs to be depressed by the screw driver to release the terminal.
4. Snap the corresponding wire from the new resistor into the plastic housing in place of the wire you just removed. The photos below explain which terminal corresponds with each slot in the plastic housing.



Note: The wire labeled "3" is connected to the resistor at one point but connects to both the plastic housing (3b) and directly to the blower motor (3a). Wait to connect the terminal labeled "3a" until you reinstall the resistor. The terminal labeled with the + is the connection for power.

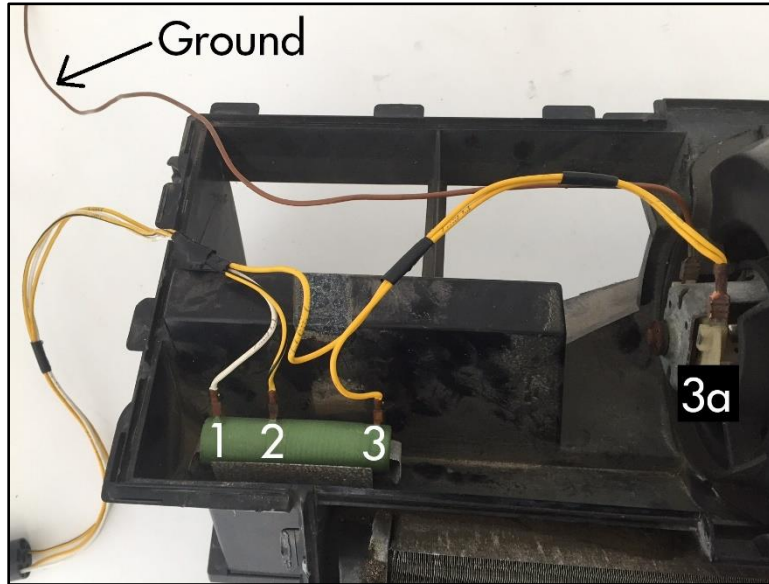


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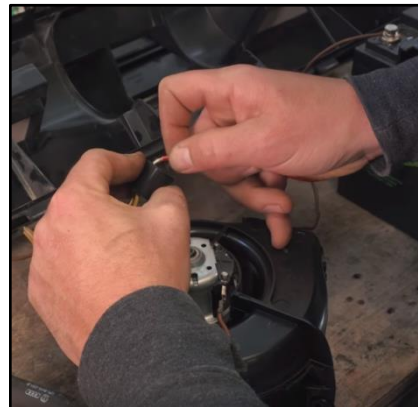
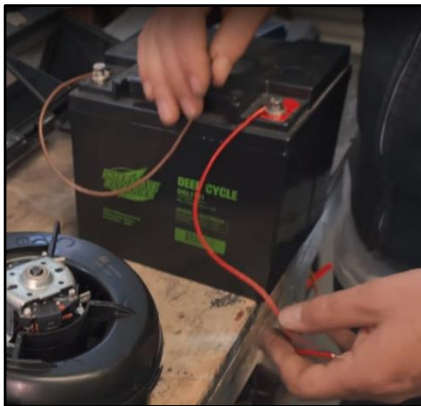
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5. Repeat for the remaining wires.
6. Reinstall the resistor into the mounting bracket and connect the 3a terminal to the blower motor heater assembly.



Note: While you still have access to the resistor and blower, it is a good idea to bench test your unit. This can be done by connecting your ground wire to a power source and inserting the live wire into each terminal. If installed correctly, the blower motor will run at different speeds when powered from different terminals. This process is demonstrated in the following photos and in the instructional video.



7. Once you have verified that your blower motor is functioning properly, reinstall the heater, dash, & instrument cluster.

You are done!