

Vanabliss Headlight Kit Wiring Details

Important Notes

- If you are running a quad headlight kit, I suggest installing the [T3 Techniques Vanagon Headlight Relay Kit](#). This relay upgrade is very easy to install, and it will ensure your lights are receiving maximum power.

Late model Vanagon stock headlight wiring uses the 9004 standard, with three wires:

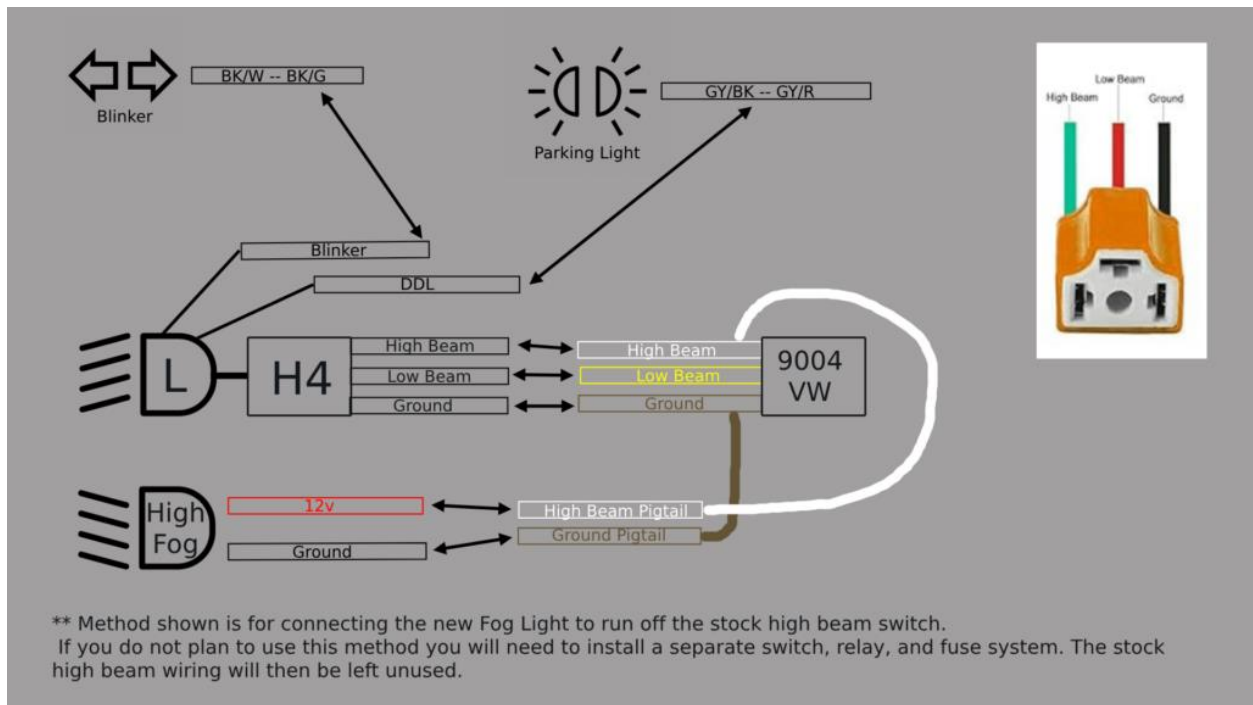
- Brown: Ground
- Yellow: Low Beam
- White: High Beam

Note: In some cases, a prior owner may have upgraded the wiring to the 9007 standard. This update moves the ground pin from the side, to the middle of the plug. Wiring may have to be adjusted to revert back to 9004 standard.

7x5 LED headlights follow the 9003/H4 standard. When looking at the back of the plug (flat side down):

- Left: Ground
- Middle: Low Beam
- Right: High Beam

Vanabliss offers [pre-made 9004 to H4 wiring adapters](#) for sale.



Creating a Wiring Adapter

Vanabliss offers [pre-made 9004 to H4 wiring adapters](#) for sale.

Depending on your level of electrical expertise, you can choose to create your own wiring adapter. Options include:

1. Soldering the wires for a permanent connection.
2. Using crimped connectors for ease of assembly.

Regardless of the method, make sure to:

1. Apply dielectric grease to prevent corrosion.
2. Use heat shrink tubing to protect connections.
3. Avoid leaving any wires exposed.

The stock High Beam plug may no longer be needed, but should remain intact. Do not cut it. - See the Spotlight section below for possible use.

Wiring Daytime Running Lights (DRL) and Integrated Blinkers

For LED headlights with DRL and blinker integration, this what I did on my van. You should consult your mechanic for final decisions on your van.

I connected them to the adjacent side marker and blinker wiring to activate the DRL with my parking lights.

1. Detach the Side Marker Housing:
 1. Unscrew the housing from the van and detach it from the light socket.
 2. Pull back the rubber grommet around the wiring approximately 6 inches to expose the wires.
2. Identify the Wires:
 1. Left Side:
 - i. Brown: Ground
 - ii. GY/BK: Parking Light
 - iii. BK/W: Turn Signal
 2. Right Side:
 - i. Brown: Ground
 - ii. GY/R: Parking Light
 - iii. BK/G: Turn Signal
3. Prepare New Wires:
 1. Cut wires long enough to run between the side marker and the headlight.
 2. Poke two small holes in the back of the rubber grommet and feed the new wires through until they match the terminal length.
4. Merge Wires:
 1. Connect the new wires to the existing wires using splice connectors, soldering, or female spade terminals.
 2. Pull the rubber grommet back down to protect the connections.
5. Attach Male Spades:
 1. Securely attach male spades to the new DRL and blinker wires, leaving enough flexibility to adjust if needed.
 2. Before fully tightening connections, test the wiring to ensure the DRL and blinker function correctly.

Flood Light Wiring Instructions

For the flood lights, it is recommended to install a dedicated switch connected to a fuse and relay for proper operation. There is a great write up on [how to wire your flood lights on thesamba.com](https://thesamba.com). This article on the [Vanagon fuse box](#) is also very helpful.

There is also an alternative way using the stock Vanagon high beam wiring.

New Switch Version

1. Install a Switch:
 1. Use a dashboard-mounted or other accessible switch to control the flood lights.
2. Connect the Relay:
 1. Relay (86): Connect to the switch.
 2. Relay (85): Ground connection.
 3. Relay (30): Connect to a power source with an appropriate fuse close to the source.
 4. Relay (87): Connect to the positive terminal of the flood lights.
3. Ground the Flood Lights:
 1. The negative wire of the flood lights can be grounded to the vehicle's frame.
 2. Alternatively, connect the negative wire to the leftover High Beam brown wire socket using a spade terminal.
4. Use Proper Wire Gauge:
 1. Ensure the wiring is appropriately sized for the current draw to prevent overheating or damage.

High Beam Version

The new headlight comes with an integrated high beam, so the old high beam wiring is not needed. Given that the Flood Light are more like a super High Beam, some users of the kit have chosen to wire their flood lights into the left over high beam socket. This way when they turn their high beams, the fog come on also.