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GVW-SAG

South African 4-Headlight Grill – Vanagon [80-91]

Tools Needed

- Phillips and flathead screwdrivers
- Wire cutting/crimping/stripping pliers
- Heat gun/hair dryer/lighter
- Drill w/ #2 Phillips bit

DISCLAIMER: *This kit has been designed for easy installation. However, it does involve cutting and splicing into factory 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 electrician. Wiring errors can be troublesome and hazardous.*

Additional Requirement for 86-91 Vanagons (NOT INCLUDED)

Early model-style headlight brackets (GW-SA-HDLT), available separately at www.gowesty.com.

1980-1985 VANAGON INSTALLATION INSTRUCTIONS

1. Remove the original grill and headlight assemblies.
2. Cut off the stock headlight connectors, leaving as much wire on the vehicle as possible. Strip ¼" off the ends.
3. Crimp the green wires of the new connectors to the brown wires of the vehicle. You will be inserting two brown wires into a single crimp connector, so make sure they are twisted together tightly and insert them into the connector with a slight twisting motion.
4. Crimp the paired white and red wires of the new connector to the white wire of the vehicle (ignoring stripes).
5. Crimp the single red wire of the new connector to the yellow wire of the vehicle (ignoring stripes).
6. The connectors use an adhesive-lined heat-shrinkable insulation. Use a heat gun or lighter or hair dryer to shrink them down and create a weather-tight seal.
7. If you are also installing the high power headlight kit (GVW-WR2-SA), now is a good time to install the new bulbs into both the new inner and stock outer light housings. **Do not touch the glass part of the bulbs with your fingers.** Fingerprints will trap heat and cause premature bulb failure. If you do touch the bulb, wipe it clean with a little rubbing alcohol on a clean cloth.
8. Reinstall the stock headlight assemblies, plugging in the new connector.
9. One side at a time, test the fit and mark the hole locations on the body for the inner lights, using the new grill as a template. The grill can slide a little in its mounts, so make sure it is centered when positioning the inner lights. **Note: Use the "TOP" label on the front of the lens to distinguish the left and right inner assemblies.**
10. Plug the inner lights into the new wiring harness, and mount the inner light assemblies to the body in the locations you marked in the previous step. Use the drill with Phillips bit and the self-drilling screws to secure the assemblies in place. **Note: This kit includes 8 more screws than you will need.**
11. Test and adjust the headlights.
12. Transfer the center mounting screw from your old grill by removing the rubber donut from the inside. After inserting the center mounting screw in the new grill, reuse the rubber donut to prevent losing the screw.
13. Install the new grill.



1986-1991 VANAGON INSTALLATION INSTRUCTIONS

1. Remove the original grill.
2. Remove the original grill and headlight assemblies.
3. Using the drill with 1/8" drill bit, drill out the rivets holding on the bracket that received the inner bottom mounting screw of the old headlight assembly. Remove the bracket.
4. Cut off the stock inner and outer headlight plugs, leaving only 3 wires on each side (leave as much length on those 3 wires as possible). Strip ¼" off the ends.
5. Crimp the green wires of the new connectors to the brown wires of the vehicle.
6. Crimp the paired red and white wires of the new connector to the white wire of the vehicle (ignoring stripes).
7. Crimp the single red wire of the new connector to the yellow wire of the vehicle (ignoring stripes).
8. The connectors use an adhesive-lined heat-shrinkable insulation. Use a heat gun or lighter or hair dryer to shrink them down and create a weather-tight seal.
9. If you are also installing the high power headlight kit (GVW-WR1-SA), now is a good time to install the new bulbs into both the new inner and stock outer light housings. **Do not touch the glass part of the bulbs with your fingers.** Fingerprints will trap heat and cause premature bulb failure. If you do touch the bulb, wipe it clean with a little rubbing alcohol on a clean cloth.
10. Install the GW-SA-HDLT headlight buckets using the self-drilling screws. You will need to transfer the upper, outer grill mounting clips from your original headlight assembly to the new ones. Pry/squeeze the small tabs on the upper and lower edges to release them. Plug in the new connector (easiest to do *before* you mount the brackets).
11. One side at a time, test the fit and mark the hole locations on the body for the inner lights, using the new grill as a template. The grill can slide a little in its mounts, so make sure it is centered when positioning the inner lights. **Note: Use the "TOP" label on the front of the lens to distinguish the left and right inner assemblies.**
12. Plug the inner lights into the new wiring harness, and mount the inner light assemblies to the body in the locations you marked in the previous step. Use the drill with Phillips bit and the self-drilling screws to secure the assemblies in place.
13. Test and adjust the headlights.
14. Transfer the center mounting screw from your old grill by removing the rubber donut from the inside. After inserting the center mounting screw in the new grill, reuse the rubber donut to prevent losing the screw.
15. Install the new grill.