



These instructions and the images herein are proprietary. Any unauthorized reproduction is prohibited.

THERM-HSNG

Stock Metal Thermostat Housing ('86-'91)
(Direct replacement for Syncros, Retrofit for 2WDs)

NOTE: This kit is recommended for expert/professional installation ONLY. After installation, you must bleed the cooling system properly—or you *will* have overheating issues. These instructions provide the basic information needed to install the GoWesty thermostat housing kit. If you need assistance above and beyond these instructions, then STOP! Take your vehicle to a professional repair shop for installation.

This is a direct replacement for Syncros, if you have a 2WD, you will need to modify the wiring for the temperature gauge sensor as detailed below. NOTE: A new electrical plug and connectors are provided for the blue EFI temperature sensor. It is a good idea to replace these, but it is not essential. Your existing plug will snap right on.

Wiring Modification for 2WD only:

On 2WD models, the new temperature gauge sensor is different than the original. The original sensor on 2WD models is a 2-pin sensor that requires a grounding wire. The sensor we provide in this kit is a single-wire sensor (standard on Syncro models). A blade-type connector is provided in the kit to replace the two-wire plug that snaps on the old sensor. Simply cut off the old 2-pin plug and install the new blade-type connector onto the yellow wire with red tracing (not the brown wire—that is the grounding wire that is not required). Clip the new blade-type connector onto the new temperature gauge sensor, and that's it.

Notes for all 2WD and Syncro Vanagons:

You can expect your temperature gauge to read differently than it did before. This is NOT because there is an ACTUAL temperature difference! The operating temperature of the engine is controlled by the thermostat, and it will not change. However, the change in the temperature sensor sending the electrical signal to the gauge will make the signal to your gauge slightly different, due to slight variations in temp sensor manufacturing tolerances. This is normal and expected. In fact, not all Vanagon temperature gauges read exactly the same. The gauge is there for *reference only*, not to indicate the actual temperature to any accurate degree. As an option, we include our TEMP-ADJUST-KIT which is an inline resistor that allows you to modify the reading of your temperature gauge to suit your liking (instructions for installation are included with the TEMP-ADJUST-KIT).