



Gauge Installation Notes - GI-VETS-01

- The VETS-01 screw in temperature sensor can be used instead of a standard bolt-on temperature sensor.
- VETS-01 is a 50k NTC 1/8 NPT (10mm) temperature sensor. The sensor analog output is digitised close to the sensor to ensure accurate temperature measurements are transmitted to the gauge irrespective of cable length.
- The VETS-01 must be programmed by GaugeInnovations to replace the engine or transmission bolt-on sensor or other temperature sensor as required by the gauge.
- During installation care must be taken with the plugs and cables to avoid damage.
- Please insert and remove plugs very carefully and avoid tension on the cabling,
- GaugeInnovations recommends VETS-01 be installed by an auto electrician.
- Please follow these steps to replace a bolt-on sensor with VETS-01:
 - 1) Ensure the gauge is not powered up.
 - 2) Open the under the bonnet junction box (remove 4 screws) and unplug the bolt-on sensor you are replacing.
 - 3) Plug in the VETS-01 (choice of 3 pin male socket does not matter). No need to screw-in the VETS-01 sensor at this stage.
 - 4) Perform a “factory reset” on the gauge by holding down the settings button while the gauge is powered up. Check that all temperature sensors are recognised by the gauge after the reset.
 - 5) Power down the gauge. Then install the VETS-01 sensor. Note you can unplug the 2 pins of the sensor close to the brass sensor so screwing the sensor in can be done easily. Check the screw-in sensor does not leak. Teflon tape is ok as this sensor does not need to be earthed. Do not over tighten.
 - 6) Ensure the VETS-01 cabling is well away from heat sources and moving parts. Replace the under the bonnet junction box screws taking care to seat the PCB in the box.
 - 7) Stick the VETS-01 plastic junction box (using the 3M double sided pad) to a suitable location away from heat and electrical noise sources. Slide the protective poly sleeve over the 2 pins of the sensor.
 - 8) Finally, power up the gauge and check the icons and temperatures are displayed.
 - 9) Set the temperature warning and alarm levels as required.

Resolving Problems

1) Nothing is displayed on the gauge – screen is blank

- Remove the 4 pin plug and check if the gauge display works with just power connected. If the display then works, there is a short in the sensor cabling. If there is no display, the gauge is faulty. Please contact GaugeInnovations for assistance.

2) The gauge is showing flashing red icons, the alarm is sounding and the temperatures are showing as three asterisks “***”

- This display indicates that the gauge is not receiving temperature signals from the sensors. Check the 4 pin plug on the back of the gauge and sensor cabling for loose or faulty connections. If required, please contact GaugeInnovations for assistance.
- A “factory reset” may also be required to restore the gauge configuration and sensors.

3) The gauge only displays the engine icon or only the engine and transmission icons

- This display may show after a factory reset and indicates that the gauge was not able to detect the engine and transmission sensors or the coolant sensor. Check the 4 pin plug on the back of the gauge and sensor cabling for loose connections. If required, please contact GaugeInnovations for assistance.

4) Cleaning the gauge

- Use a soft cloth (eg glasses cloth) or lens brush to clean the gauge. Don't use any harsh cleaning chemicals . isopropyl alcohol (ie glasses cleaner) is ok.

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