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GW-V-COOL-SENSOR

Aluminum Coolant Level Sensor for Expansion Tank
1983 - 1991 Vanagon System

Available reproductions of the OE VW Coolant Sensor are prone to developing leaks in their all-plastic design. Our GoWesty Coolant Level Sensor kit includes a modern, metal coolant level sensor and a thread adapter for direct install into the OE VW Coolant Tank, as well as our GW Aluminum Coolant Expansion Tank. Protect and future-proof your van with this simple installation. Replaces OE VW part [251-919-372].

Hardware List 	Required Tools 
<ul style="list-style-type: none"> (1) Coolant Level Sensor (1) Thread Adapter (1) O-Ring, VW Part [N90240002] (1) Crush Washer (1) Connector Plug with Pigtail Wires (2) Crimp-On Butt Connectors 	<ul style="list-style-type: none"> • 1" Wrench • Vice (or a second 1in Wrench) • Wire Stripper / Crimper • Heat Gun or Lighter

The OE wire connector will be replaced with the included Connector Plug that matches the new sensor. Once assembled, the GoWesty Coolant Level Sensor kit is a direct replacement for the OE Level Sensor [251-919-372].

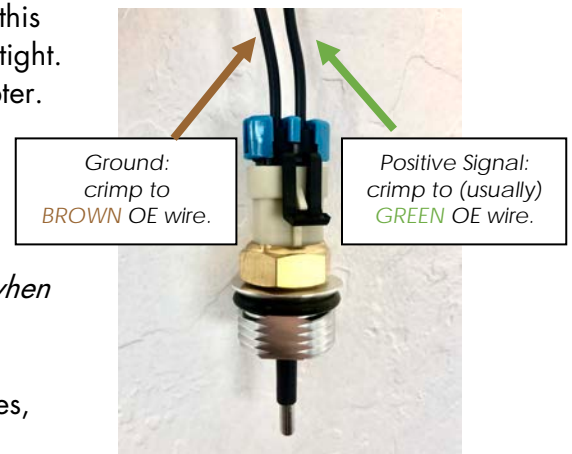
Assembly

- 1) Assemble the GW Coolant Level Sensor as shown below. Place the included crush washer into the centering counter bore on the thread adapter, then thread in the sensor body. To tighten, place the thread adapter flat sides in a vice while you tighten the sensor. Use common sense when installing this crush washer: a half-turn past finger tight should be plenty tight. Install the included o-ring in the groove on the thread adapter.



Installation

- 2) The OE coolant sensor plug uses two wires—the positive signal wire is (usually) **GREEN**, and the ground wire **BROWN**. The new connector plug has two black wires—when viewed from the side with the retaining clip the **left** wire is ground, and the **right** wire is signal.
- 3) Install the new connector plug by clipping the OE plug wires, stripping back both wires, and crimping each to the new connector plug pigtails using the included butt connectors. Use a heat gun to heat shrink the ends of the butt connectors.
- 4) Thread the assembled GW Coolant Level Sensor into your coolant tank by hand (no ratchet required) until the thread adapter bottoms out on the tank, and then STOP! Install the new connector plug to the sensor.



All Done! Stay Cool!