



BITS: TECH NOTE

Fuel Gauge Faulty Reading??

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I was having increasing problems with my fuel gauge on the 101 spider: it always read "full" and only moved off the peg when about 3/4 of the tank emptied. Took the sender unit out of the tank and finding no obvious problems, "shined up" all the grounding surfaces. Studying how it works, it became obvious that a poorly grounded sender can result in a "fuller" tank than is actually true. I will also add a "grounding wire" from the sender to the chassis, because my tank, as most all fuel tanks, is carefully suspended in padding material and separated from the chassis to prevent any holes rubbing through the tank. Even the steel fuel line going forward to the carbs generally includes a rubber section. The filler pipe is isolated from the body by a large rubber grommet. Inadvertently, all this carefully designed isolation of the tank from the chassis also isolates the sender from a good, necessary, ground connection. Adding a ground wire from your tank sender to chassis should solve the problem.

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