



Electrical Fuel Gauge

P6 ROVER OWNERS CLUB



Dear Richard Hallett,
My name is Clive Staples and I am a member of the P6 Rover Owners Club, which is where I found your name and email. I wonder if you could help me with a small electrical fault with the fuel Gauge on my P6 V8 auto 1974 ?

I don't know if the problem has anything to do with the car standing for long periods of time as I do not use the car very often. I went out for a drive and put 30 litres of fuel in the tank, but the fuel gauge only reads just off the empty. If I switch the engine off, the needle returns to zero, when I switch back on the needle moves slowly up to the first white part on the gauge and stops even though there is 30 to 40 litres of petrol in the tank. I wonder if you have any ideas what the cause might be?

Hi Clive,

The issue you have can only be the gauge, the sender unit, the wiring, or possibly the voltage regulator.

The gauge can be checked by shorting out the wires on the fuel tank sender unit. The gauge should go full swing when you do this. That would confirm the gauge and wiring are okay.

The sender unit can be checked with a multi meter to ensure it is not open circuit.

The voltage regulator is often the cause of erratic gauge behaviour. Do any other gauges misbehave? The voltage regulator is fitted on the dials circuit board and it part BMK1539 on the picture below. It is not easy to check but is cheap to replace.

This might be a good starting point as if I remember correctly, the fuel tank sender is under the tank and access is not easy.

I hope this has been helpful to you. If you want a chat on the phone still let me know and I will call you.

Richard Hallett

Member of the Technical Advice Team

