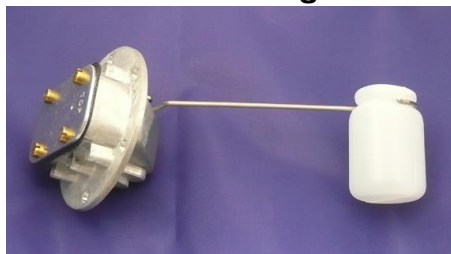


AHH5114

MGA Fuel tank Sending Unit

Installation Notes

About these Sending Units



The Smith series petrol tank sending units are an antiquated design and require careful installation if leakage is to be avoided. Our reproduction units incorporate fuel resistant rubber gaskets and seals which will provide improved performance over the original cork gaskets, but they still require careful installation. The very nature of this design is such that the hollow rheostat cavity will fill with fuel. This does not pose a safety hazard as long as the cover plate is in place.

Always disconnect the battery prior to removing the cover plate from the installed sending unit.

Sealing the Mounting Screws

It is not uncommon for gas to weep past the threads of the screws used to secure the sending unit, particularly when the threads on the screws, or the threads on the mounting flange are worn or damaged. We can supply the screws, part number ARG923, and you will need six. We suggest sealing the threads on the screws with a good quality fuel resistant gasket sealer like Victor Reinz sealant which is impervious to fuel. This can be sourced locally or by using our part number LOC23.

Sealing the Mounting Flange

Ensure that the mounting flange area is clean and apply a good grade fuel resistant gasket sealer to both the mounting gasket and the small rectangular gasket under the steel lid at the top of the unit. Again, we recommend Victor Reinz sealant.

Sealing the Electrical Terminal

The threaded wire terminal should also be carefully checked for tightness. **IMPORTANT:** The terminal stud itself **MUST NOT ROTATE**. If it does, you may break the wire connection inside the unit, which will effectively render the sending unit useless.

Fitting the Sending unit

Due to variations in the inside flange diameter of some tanks clearance or alignment problems may be encountered. It may be necessary to slightly grind or file the protruding area of the sending unit, or a portion of the tank flange before you can get the holes in the sending unit to line up with the holes in the tank. Ensure the gas tank, sending unit and dash gauge are securely grounded. You can connect the sending unit and test the operation before you install it. Connect the sending unit to the appropriate wire and ground the housing to the chassis with another wire. With the key on, move the arm of the sending unit slowly and watch the fuel gauge.



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