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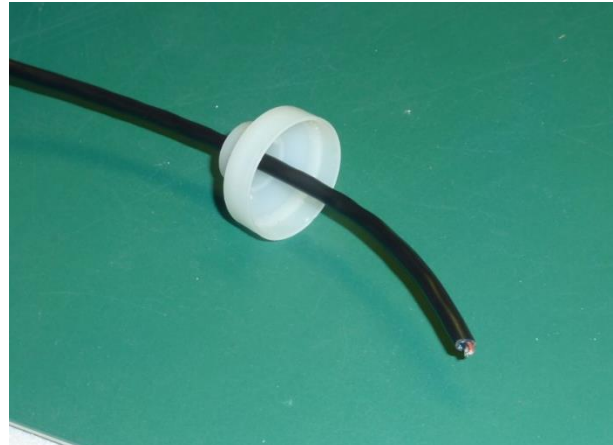
- 2) De-solder the red and black wires.
- 3) Remove the label from the sensor. Note the serial number. When the sensor is relabelled, the same serial number will need to be applied.



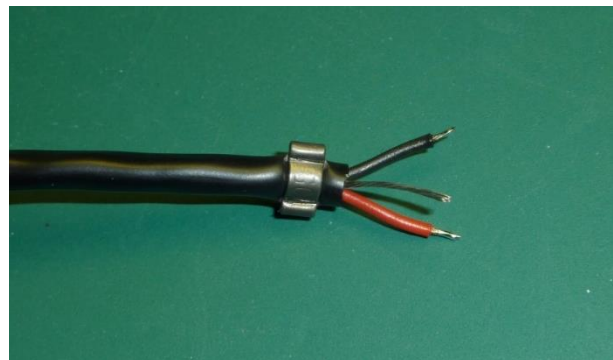
- 4) Insert a grommet into the hole in top cap.



- 5) Feed the cable through the grommet.



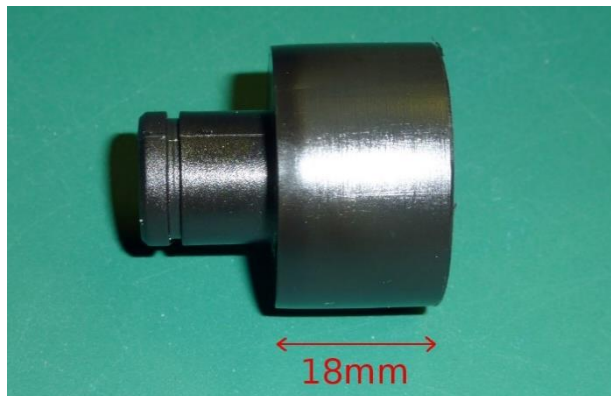
- 6) Strip 12mm from the outer cable sheath.
- 7) Cut the shield away.
- 8) Affix a cable grip 2mm from the cable end.



- 9) Place 10mm of 6mm heat shrink over the cable grip. Using a heat gun, shrink into place.



- 10) Trim the sensor housing to leave 18mm on the wider part.



- 11) Apply clear adhesive silicone to the inside face of the sensor housing.



- 12) Place the sensor inside the sensor housing and firmly press down.



- 13) Solder the red and black wires to the corresponding contacts on the PCB.



- 14) Apply a modest amount of super glue to the inside of the sensor cap. Firmly press and hold the sensor cap in place. Wipe away any excess.



- 15) Affix the serial number label.



16) Place the large 'O' ring over gas inlet port.

17) Place the small 'O' ring in the recess on the length of the gas inlet port.



18) Strip 7mm from the outer sheath of the cable and peel away the foil shield, leaving the wire shield in place.

19) Strip and tin 2mm from the black wire.



20) Strip 7mm from the red wire and twist together with the shield wire.

21) Tin both the black and red/shield wires



22) Solder the black wire the centre pin of the 3.5mm jack plug.

23) Solder the red/shield wire to the outer ring of the 3.5mm jack plug.



- 24) Affix the connector hood to the 3.5mm jack connector.



- 25) Affix a ferrite by looping once thought. Leave 60mm of sheathed cable protruding from the ferrite.



Q.A.

- 26) Using a digital volt meter, test the output of the sensor. The output must be $25\text{mV} \pm 2\text{mV}$.
- 27) Note the output and record the results on the Intrastats system.



Packing

- 28) Place the sensor in a gas barrier bag.
- 29) Using a strip heat sealer, seal the sensor within the bag.
- 30) Affix the corresponding serial number label to the outside of the bag.

