

VM3COP40.22 D-40 Oxygen Sensor Production Procedure

Parts list

Qty	Description	Part No.
1	Oxygen sensor – R-33S1	0110132
1	2 pin JST connector	9071014
1	Anti-static gas barrier bag	0150000

Tool list

Soldering iron
Wire cutters
Stanley knife
Super glue
Small pliers

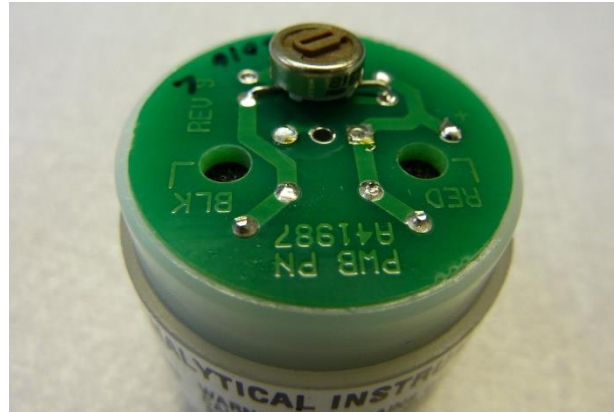
Production:

- 1) Remove the R-33S1 Oxygen sensor from the gas barrier bag.

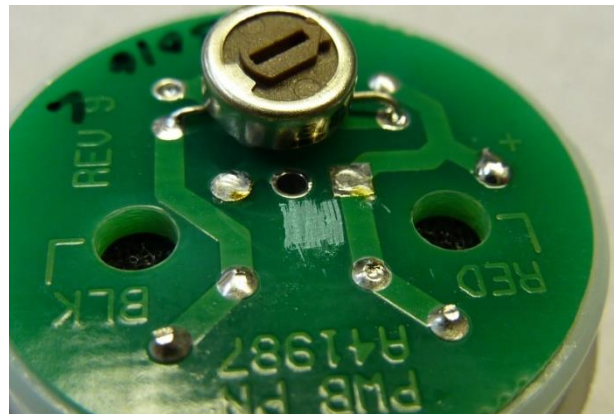


- 2) Using a soldering iron, remove the black and red wires.

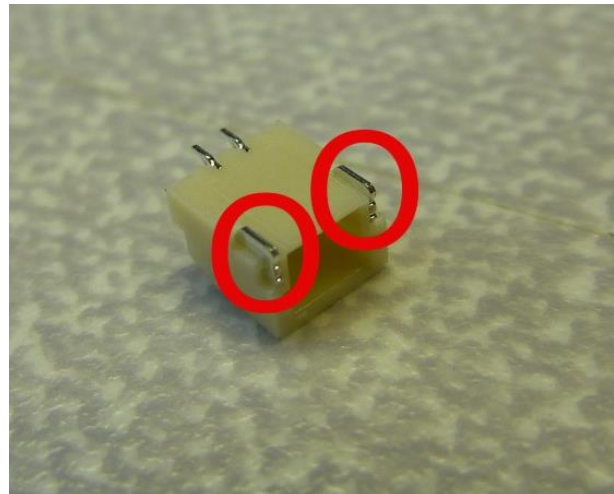




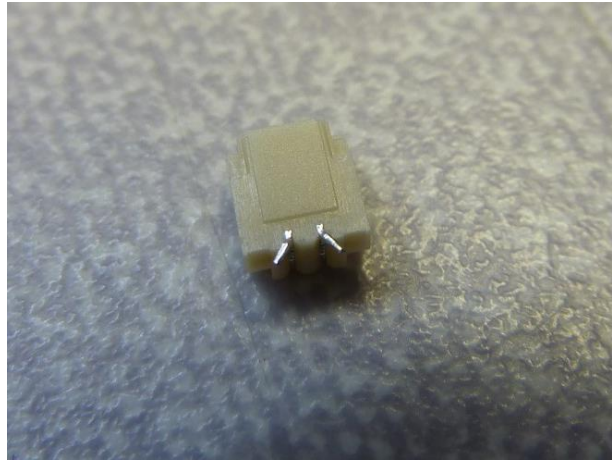
- 3) Using the flat edge of a Stanley knife, remove a small area of surface lacquer from in front of the solder contacts.



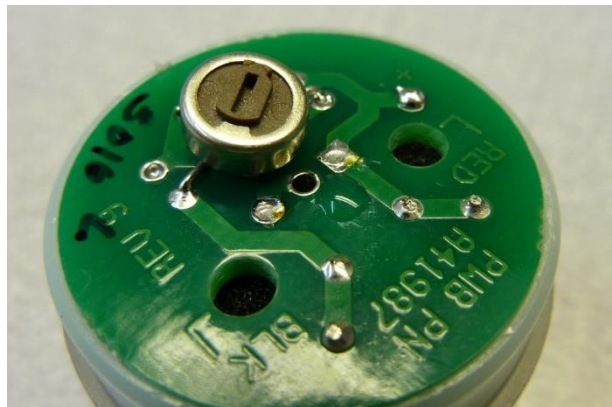
- 4) Using small pliers, remove the marked contacts.



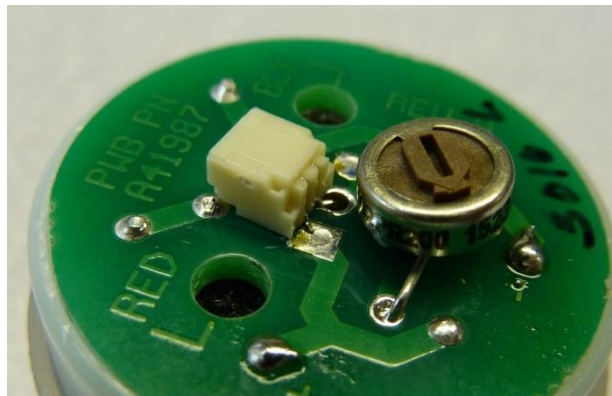
- 5) Splay the solder contacts to around a 30° angle.



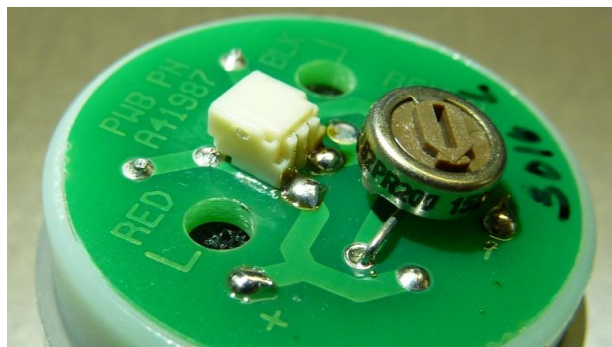
- 6) Place a drop of super glue on to the de-lacquered area of the PCB.



- 7) Place the JST connector on to the super glue, ensuring that the connector contacts align with the contacts of the PCB.



- 8) Solder the connector into place.



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QA:

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- 12) Set the digital voltmeter to the millivolt scale.
- 13) Observe the output of the sensor.
The output must be between 23mV and 27mV.
- 14) Using the Intrastats system, mark the sensor as having passed or failed as applicable.



Packing:

- 15) Take a sensor that is to be packed, note its serial number, and affix that corresponding bag serial number label to the bag.



- 16) Place the sensor in the bag.
- 17) Using a strip heat sealer, seal the sensor into the gas barrier bag.
- 18) Once passed, place the finished product, along with the production sheet, on to the production shelf to await stock entry.

