

V1000 SERVICE PROCEDURE

VM3COP55.05

Date 17-08-23	Revision date 17-08-23	Issue 1.0
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Things needed

PH2 Phillips screwdriver	
Label remover	0050130
Transducer interface cushion	1430309
Calibrated sticker	
Warranty protection sticker	1430325
Double sided tape 10mm	
Tamper evident seal	1430326

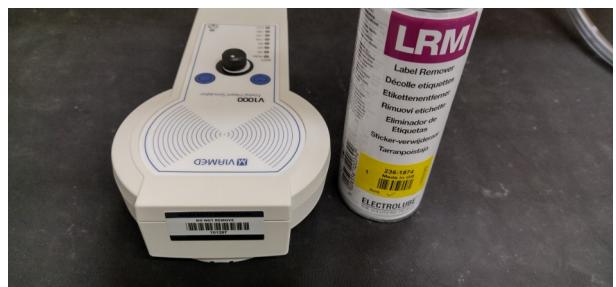
Before attempting the service power up the V1000.

Do all the LEDs work ?

Do the ON/OFF and Frequency buttons work ?

Does the Intensity dial work ? Can you hear the speaker getting louder/Softer ?

Remove warranty protection sticker and clean residue with label remover.



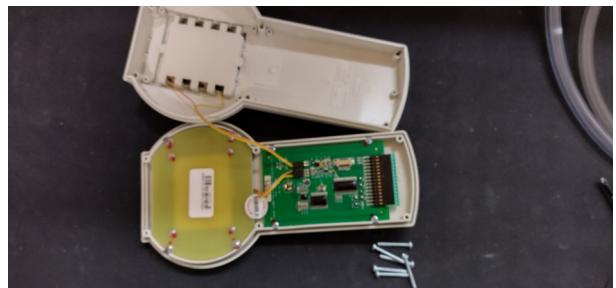
Spotless !



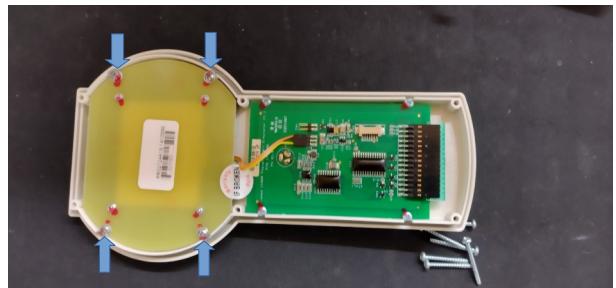
Using the Phillips screwdriver remove the 6sixscrews that hold the two halves together



Split the two halves. Take care, the power lead will be connected between the halves.
Make a note of how the two leads are connected.



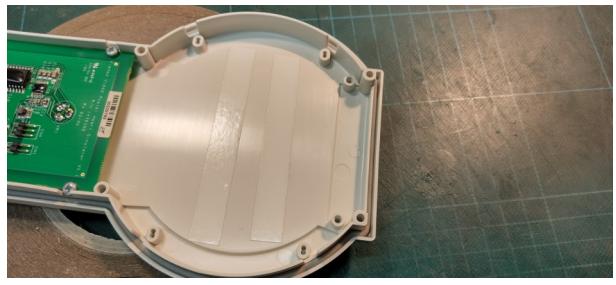
Unplug the power lead and move away the lower half.
Remove the four screws that hold the transducer assembly in place.
Unplug the transducer lead.



Remove the transducer assembly.
Note position of the four M4 nuts used as spacers under the transducer assembly.



Peel off the old transducer interface cushion.
Replace the double sided tape if necessary.
Affix a new transducer interface cushion in the space between the support posts.



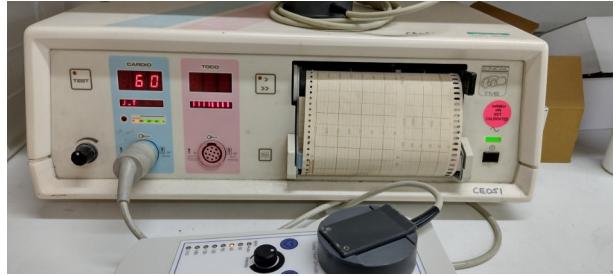
Place the transducer assembly on the four M4 nut spacers and hold in place with the four screws and washers carefully.
The four screw will need a new dab of red tamper evident seal on the heads.



Reconnect the two leads as noted before.
Close the two halves taking care not to trap any wires.
Do not fit the six case screws yet.



Use the Sonicaid CE051 to confirm the V1000 is working and has a good output.
With the V1000 set at half intensity the Sonicaid should find a good pulse from 60 to 210 bpm (30 is too low for the Sonicaid to function).
With the Sonicaid set at half volume you should hear the pulse clearly from it's speaker.
Use the auto on the V1000 to run through the range while you watch the Sonicaid.



Calibration Check

Follow Foetal heart simulator BPM accuracy test **VM3COP55.01**

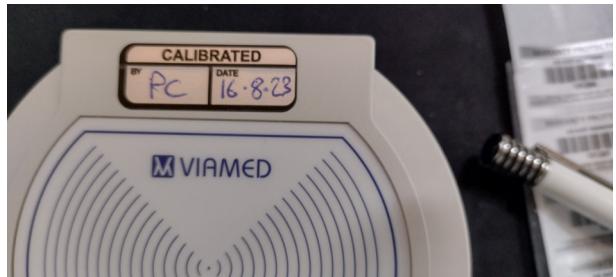
VM3COP55.01 produces a calibration certificate as shown.
It should be signed and stamped on the signature with a Viamed stamp.
A digital copy is saved in <Z:\V1000> calibration certificates\PDF
A digital copy is also uploaded to Intrastats\Stock\Calibration Certificates\. Each calibration certificate number generated here requires the certificate to be uploaded later.



Now put the six screws back in the body. Then give the unit a final quick check just to make sure it still turns On/Off. Give the unit a good clean with isopropyl alcohol.



Affix a new Calibrated sticker as shown.



Affix a new Warranty Protection sticker as shown. Make a note of it's unique number. The number is recorded on the QA form that is found on the SRN page for a customers device. It is also found through Intrastats\Stock\QA Stock\ for a new build

