

Rework procedure - Microstim DB3 Supramaximal Nerve Stimulator from 2510000 to 2510001.

Equipment required:

Soldering iron station.
Desolder sucker
Screwdriver – Philips, size
Screwdriver – Flat blade, mm
Anti static workstation

Parts required:

Solder (0050011)
2 x 2530050 Mode switch (ON-OFF-MOM)
2 x 2530051 Switch rocker (green)
2 x 2530052 Switch bezel (black)
1 x 2530053 PIC processor
2 x 2590100 label
1 x 2590101 label
1 x 2590102 insert
2 x stock label for 2510001

Procedure

Remove Microstim from the packaging. Also remove the Operator's Manual and put to one side. NOTE: the patient cable (2520000) may need exchanging for an alternative version i.e. 2520001 or 2520003.

Carry out disassembly procedure as per the Section 7 of the Technical Manual.

Carry out removal of PCB assembly as per Section 8 (Stage 1) of the Technical Manual.

Remove the two mode switches.

Assemble the new mode switches: Affix green switch rocker to the mode switch, then affix the bezel to the mode switch. Locate the new mode switch assemblies in the upper casing, observing correct orientation i.e.

T.O.F	ON
	OFF
D.B.S	MOM
P.T.C	MOM
	OFF
1 Hz	ON

Remove U2 - PIC processor (2530021) and replace with PIC processor (2530053), NOTE: observe correct orientation.

Refit PCB assembly. NOTE: Besides refitting the two lower PCB screws it is also advised to temporarily fit the two upper screws during the soldering of the potentiometer and the two mode switches. Once soldering is completed remove the two upper PCB screws.

Carry out routine test procedure as per Section 6c of the Technical Manual. NOTE: Revised functionality of the mode switches. Ensure that the T.O.F and 1Hz functions are latching and are continuous.

Final QA

Carry out test procedure as per section 6e of the Technical Manual.

Check that the T.O.F. and 1 Hz functions time-out after five minutes.

Labelling

Replace battery compartment serial number label (serial number remains the same but part number changes from 2510000 to 2510001). Also replace the label on the packaging box.

The templates for the following can be found on L drive (Medical\Supplementary information\Nerve Stimulators\DB3\DB3 251001 labels). Use colour printer.

Label 2580100 (Avery L7165) - Affix one label to bottom half of page 2 and one label to the DB3 plastic packaging. NOTE: Ensure that each pair of labels is marked with the serial number of the Microstim

Label 2590101 (Avery L7169) – Affix to page 20.

Include insert 2590102 (A4) inside the packaging.

NOTE:

The removed PIC processor is to be returned to sales stock 2530021.

The removed mode switches are to be put into service stock.

If the patient cable has been replaced then it should be returned back to sales stock.