

SRN:23452

Equipment type: Finger probe Part Number:
Batch Size

Nos

Viamed Part number

Description

1

0010401

Strain relief - compatible with Nellcor SpO2 finger clip

1

0010500

Cable clamp

Soldering iron set to 250 degrees, to prevent heat damage to components.

- 1/ Determine fault - note that in original and Epic equivalent Nellcor probes, the cable must be replaced, due to the inferior quality of the cable used.
- 2/ Remove pads from shells using small screwdriver. Remove springs. Separate shells. Thoroughly clean all parts that are to be used, with isopropyl alcohol or foam cleaner.
- 3/ Cut emitter and detector wires, approximately 1cm from pad housing.
- 4/ Remove components from pad housing, using small screwdriver to detach silicone around component - note that this should be done delicately so as not to damage surface of window.
- 5/ Clean excess silicone from components, ensuring that the contacts are as clean as possible.
- 6/ Desolder old wiring from components.
- 7/ Prepare new cable as follows:
 - a/ Remove the strain relief supplied attached to cable "0018567," and replace with strain relief "0010401" - note that a small amount of alcohol or silicone should be used to lubricate the cable when pushing the strain relief on to the cable.
 - b/ Add cable grip to cable, flush to strain relief, and clamp on using relevant tool.
 - c/ Cut back shield and paper.
 - d/ Strip and tin wires to required lengths.
- 8/ Resolder wires to components as per relevant diagram.
- 9/ Replace components into pad housing, taking care to fill pad housing with flowable silicone, as

this will remove any irregularities within pad window. Leave for 24 hours to dry.

10/ Reassemble the clip as follows:

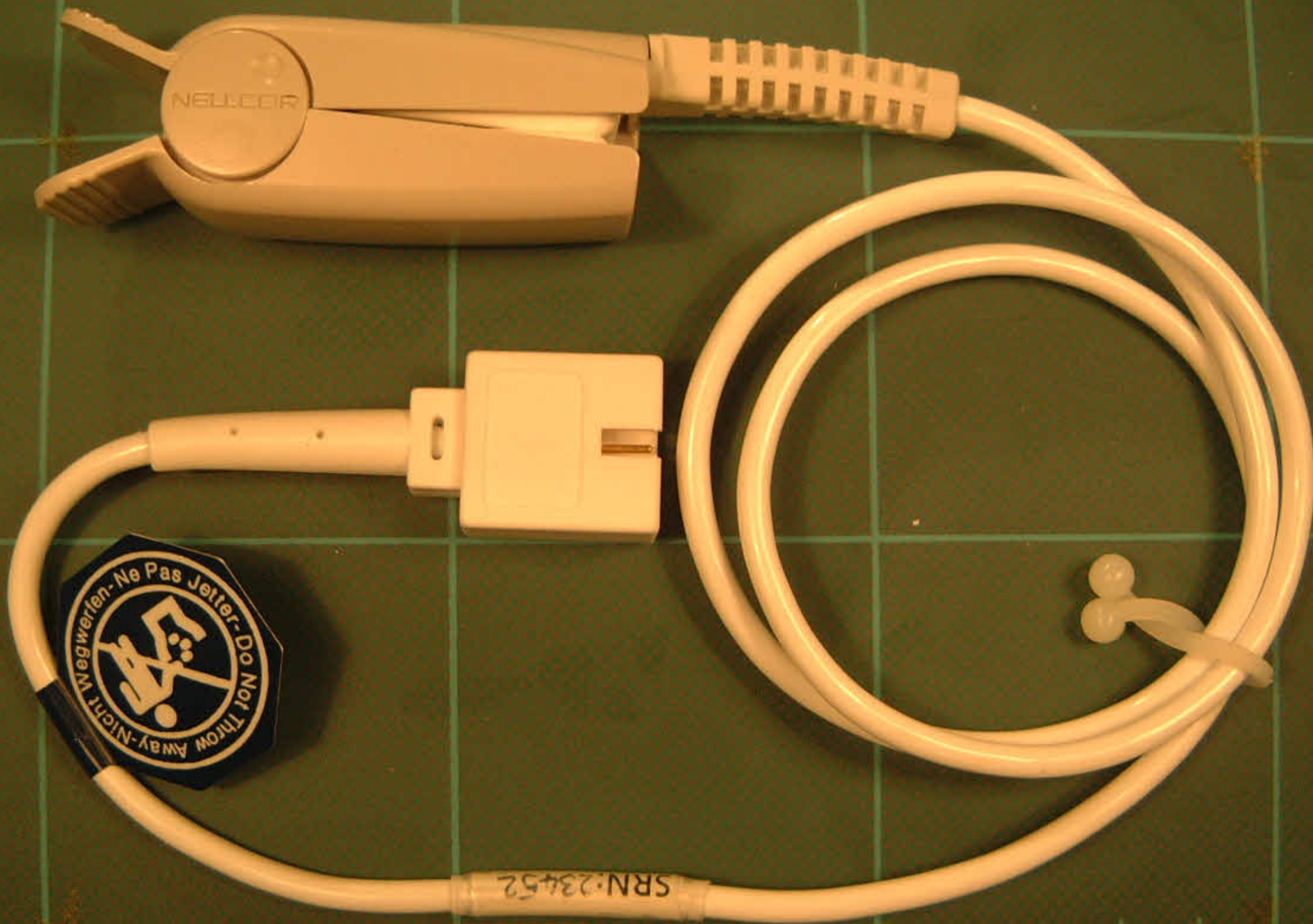
a/ Refit original springs around pads.

b/ Apply a drop of superglue on front clip pad retaining lugs - this will reduce the risk of pad popping out of shell housing.

c/ Push pads into position within clip, making sure that the metal pad rim is securely underneath the pad retaining lugs - there are four retaining lugs for each pad.

11/ Attach labels to probe as required.

Nellcor clip
Completed Nellcor repair



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