

# ***Technical Service Bulletin No. 42***

***Created by: Music Tribe Brands Sweden AB Service Department***

***Date: 2018/01/09***

***Reference no: SP40PFC***

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## ***Affected models***

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Following models are affected by this rework:

D40:4L

## ***Affected boards/modules***

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SP40PFC-XXXX

## ***Information***

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When you receive the product, please measure VDR(Vdrive) and VS- (between white and blue cable on the SP40PFC.

If the voltage is outside 14V +- 0,5 please report this to careUK together with the unit's serial number and a short description of the symptoms.

## ***Solution***

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Modify the SP40PFC-XXXX adding a capacitor and a diod

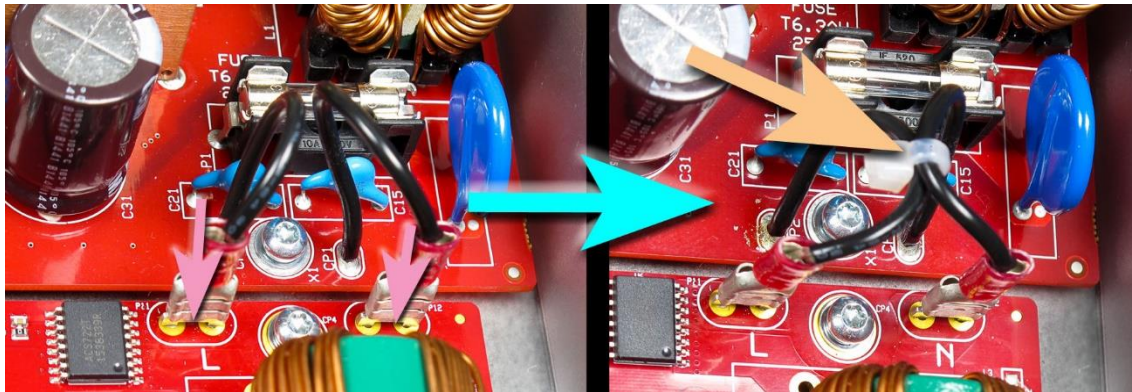
If you don't have the equipment for soldering 0603 components, please replace the complete board

## Instructions

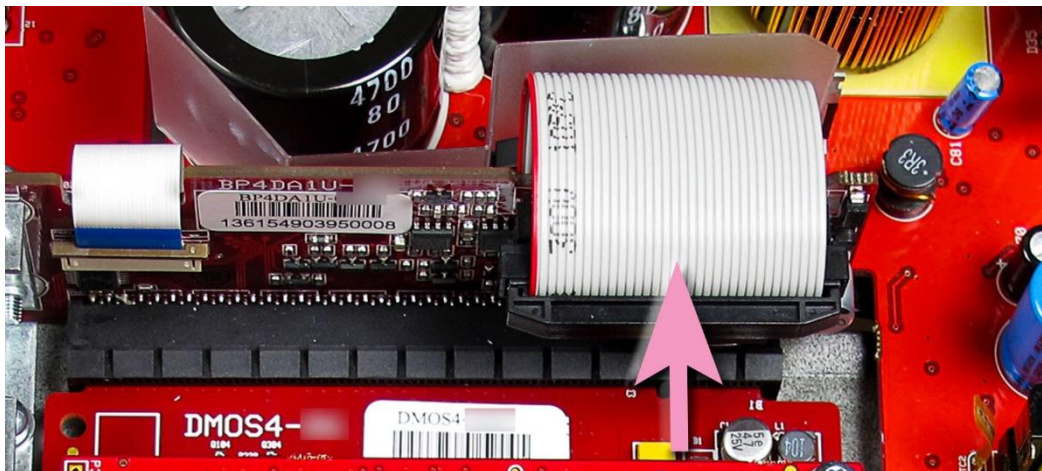
Remove the top cover.

Instructions on how to Remove the SP40PFC-XXXX.

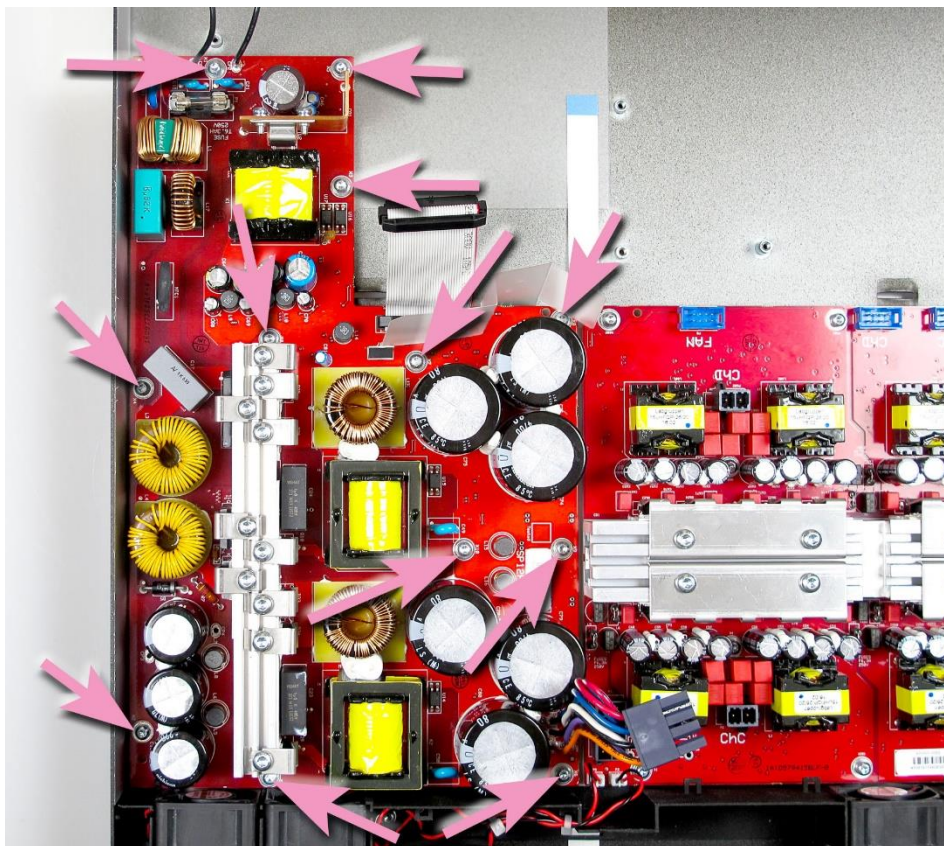
Remove the cables shown in the picture below



Remove the ribbon cable attached to the BP4DA1U-XXX



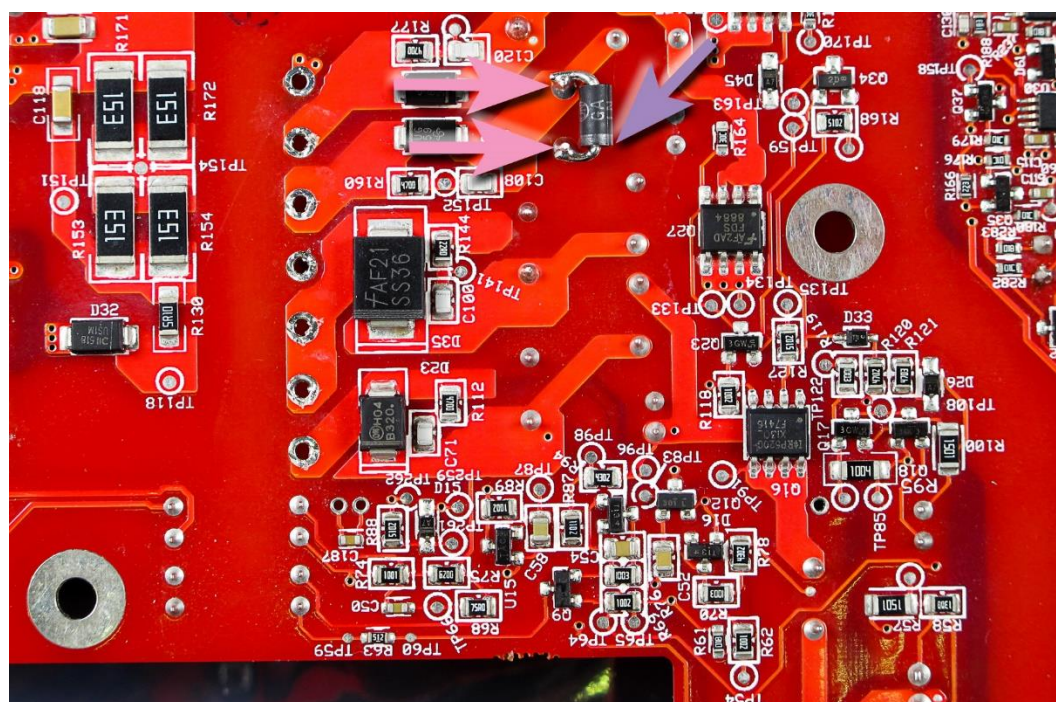
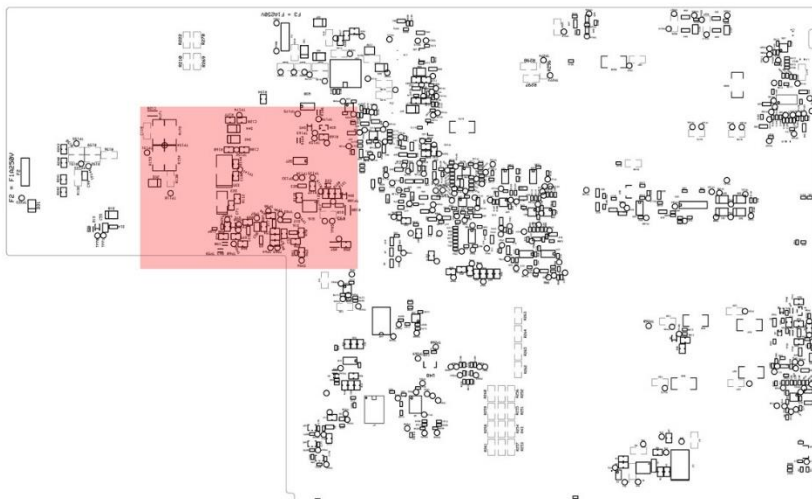
## Remove the SP40PFC-XXX



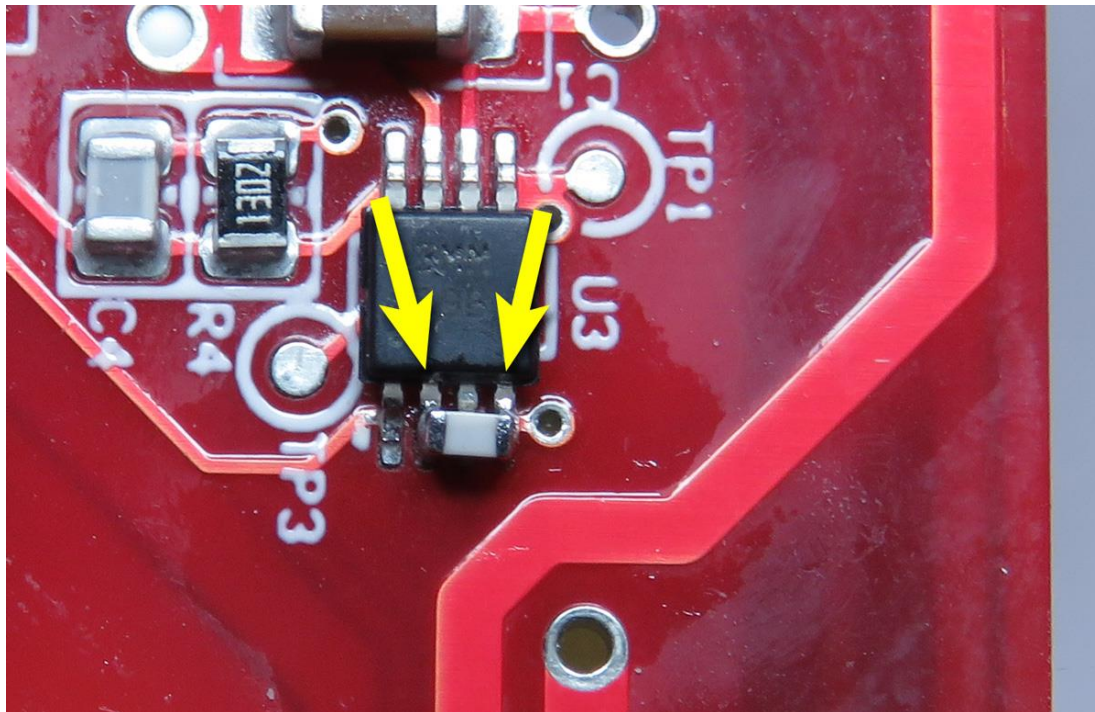
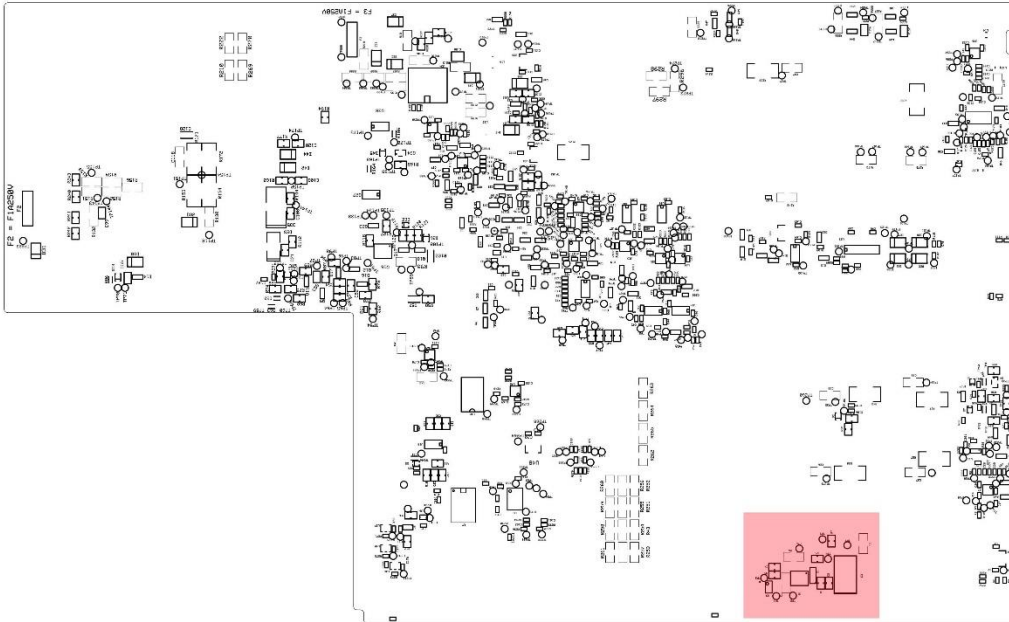
**After modification follow this instruction backwards to reassemble the unit**



**Solder the pins of the diode (27V3W5%) on the pins of C114 on the underside of the PCB (pink arrows) according to picture. Observe that the diode must be soldered in the correct direction (purple arrow)**



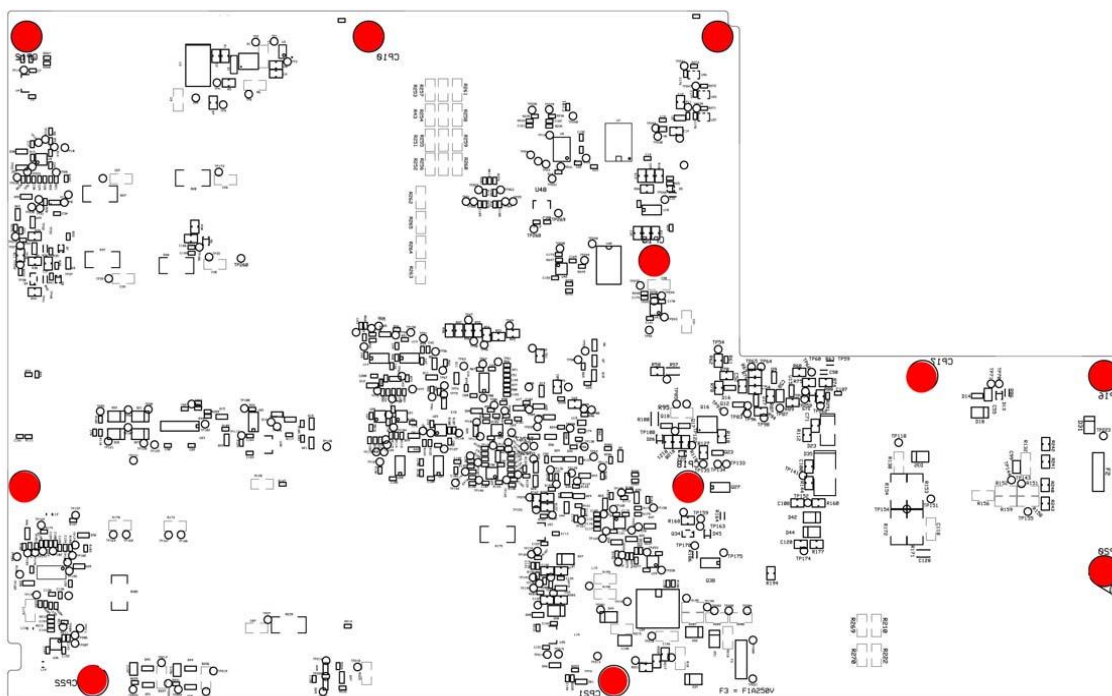
**Mount capacitor (470p500603NP05%) on top of component between legs 2 & 4 on position U3.**



Reapply coating in reworked area. Coating should only be applied on SP40PFC-XXX

Part No.	Description	Info	Pos
<u>HumiSeal 1B73</u>	Transparent insulating and protective acrylic coating. It is possible to solder through the coating. Acrylic Conformal Coating <a href="http://www.humiseal.com">www.humiseal.com</a> <a href="http://www.humiseal.com/downloads/1B73_Aerosol.pdf">http://www.humiseal.com/downloads/1B73_Aerosol.pdf</a>		

No coating is allowed on marked areas. Mask if needed.



## ***Test after assembly***

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Make sure that all the fans are running.

Make sure that you have audio on all channels.

Make sure that the channels are connected correct.

Channel A from output A and so on

## ***History***

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Date	Created By	Status	Bulletin no.	Comment
2018-01-09	AR	Active	42	N/A