

Technical Service Bulletin No. 31

Created by: Lab.gruppen AB Service Department

Date: 2014-04-03

Reference no: 22N630VMKP7.5

Affected models

Following models are affected by this technical service bulletin:

PLM20000Q

TS20000DP

Affected boards/modules

SP200PFC09a-F01

SP200PFC09b-F01

SP200PFC09c-F01

SP200PFC09e-F01

SP200PFC09g-F01

SP200PFC09h-F01

SP200PFC09i-F01

SP200PFC09j-F01

SP200PFC09k-F01- until manufacturing date 2013-03-01 of the complete amp

Solution

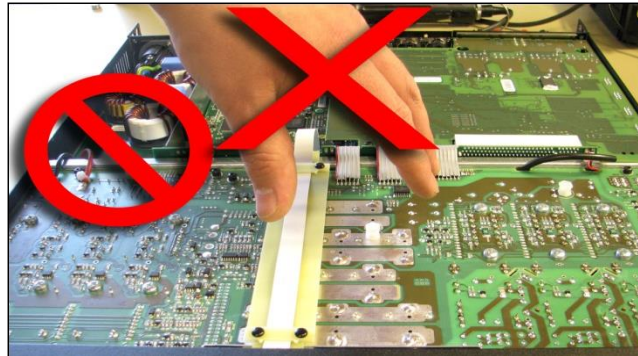
Replace

C600, C601, C700, C701, C810 and C811 with the below listed components

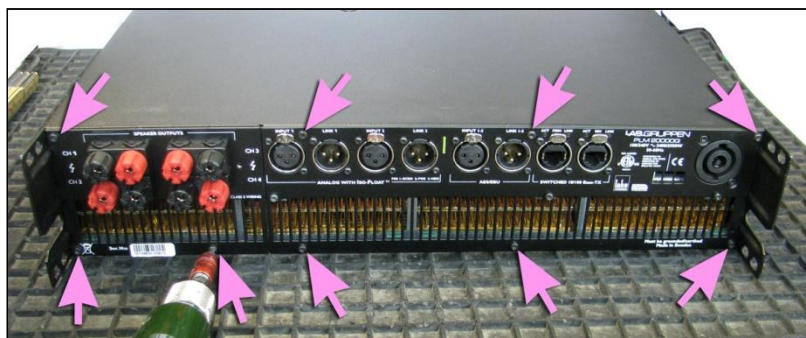
Part numbers

Part number	description	Amount
22N630VMKP7.5	EVOX-RIFA Capacitor Polypropylene 22n 630V Mkp 7.5mm	6

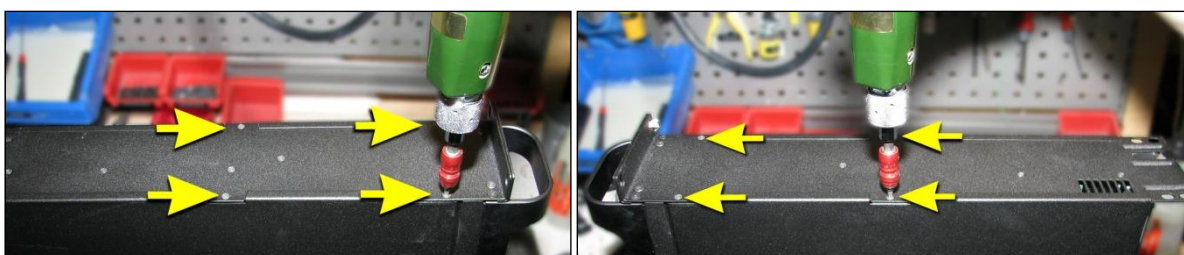
1.	<p>Amplifier mains plug disconnected.</p> <p>Wait 10 minutes in order to let the capacitors discharge.</p> <p>Observe! Do not touch PCB without being ESD-protected.</p>		
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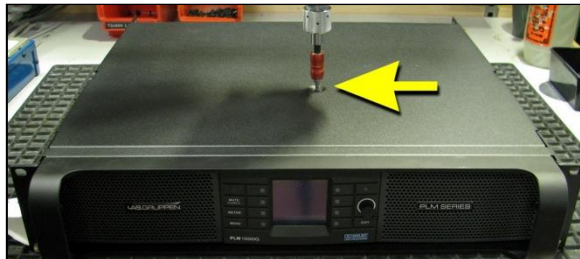
2.	Remove screws from the rear panel.		
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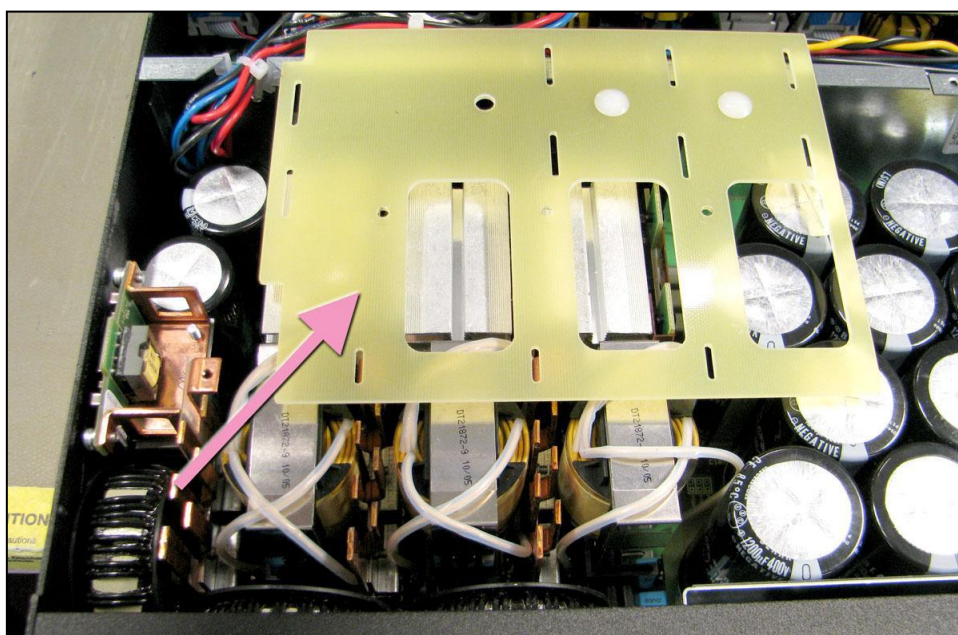
3.	Remove screws from the side panels.		
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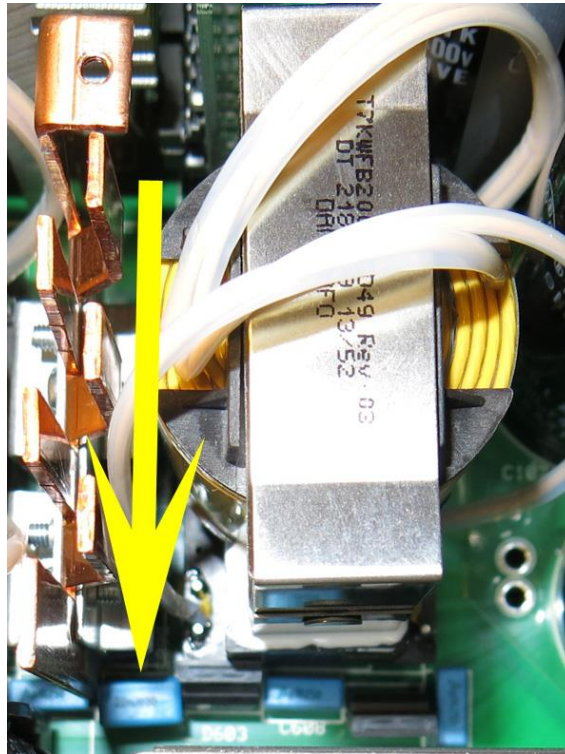
4.	Remove screws from the top and bottom covers. Remove the covers.		
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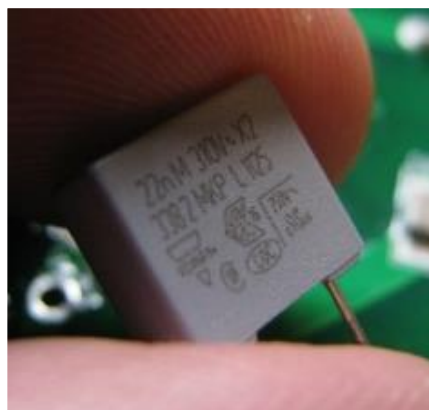
5.	Remove the protective laminate
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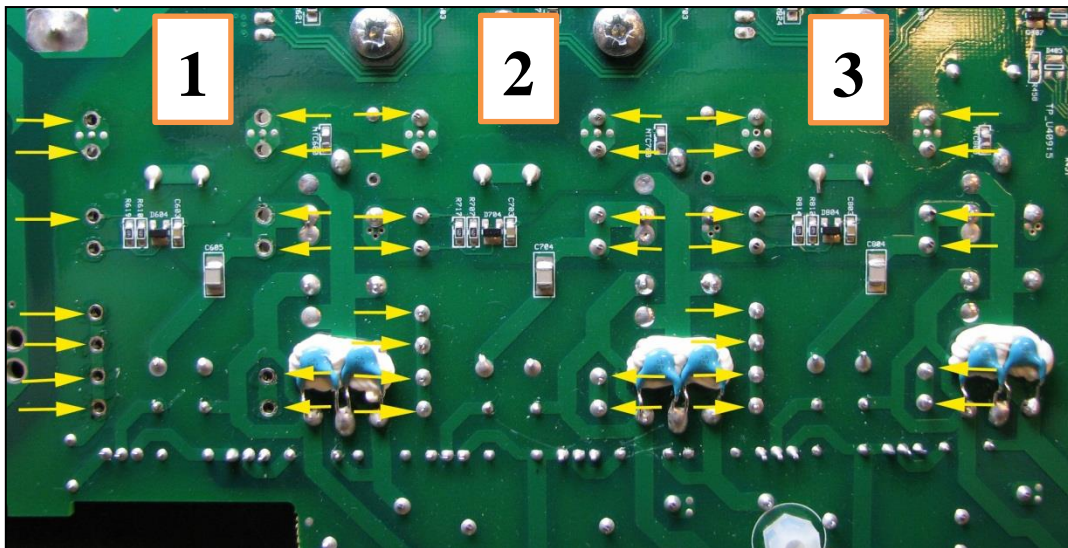
- | | |
|----|---|
| 6. | Check if you have the faulty capacitor. The faulty capacitor is a color grey Vishay capacitor |
|----|---|



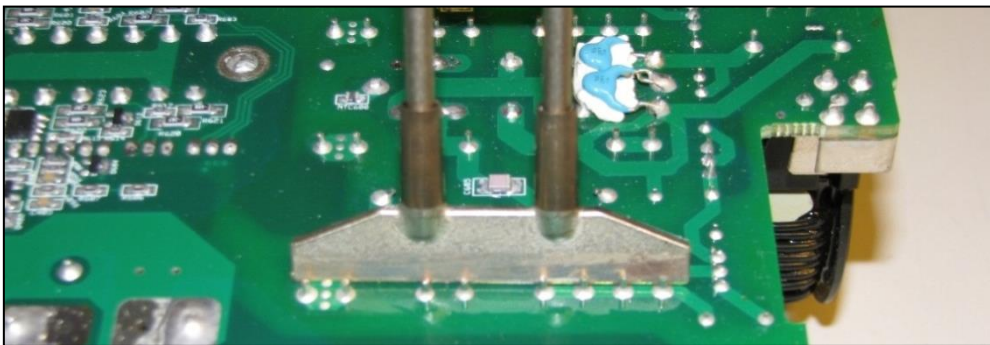
- | | |
|----|--|
| 7. | This is the faulty capacitor it's the grey vishay capacitor. If you find this capacitor follow the instructions below on how to replace them |
|----|--|

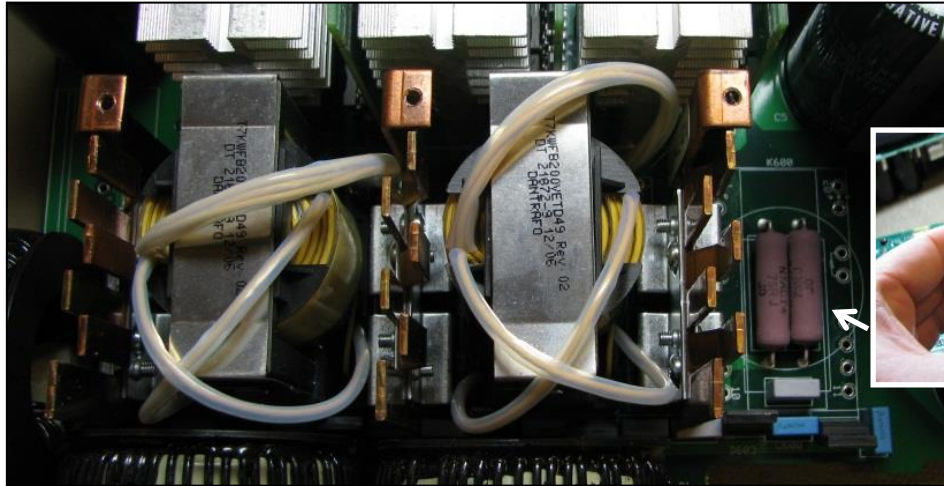


8. The arrows show where the soldering pins of the transformer are placed

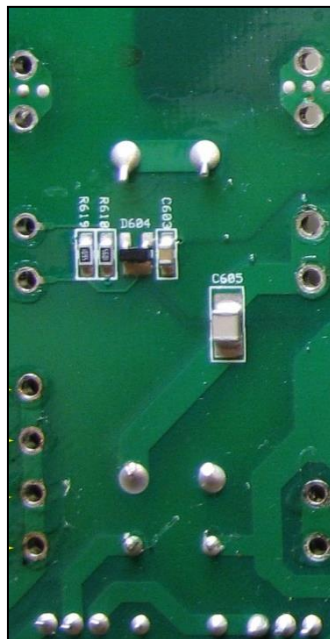


9. Heat up all the soldering pins on one side of the transformer with a large de soldering iron.
Grab the transformer from underneath and wicked to the side careful until you see that all the pins has come out of the board.
Repeat the procedure for the other side pins until the transformer has been removed.

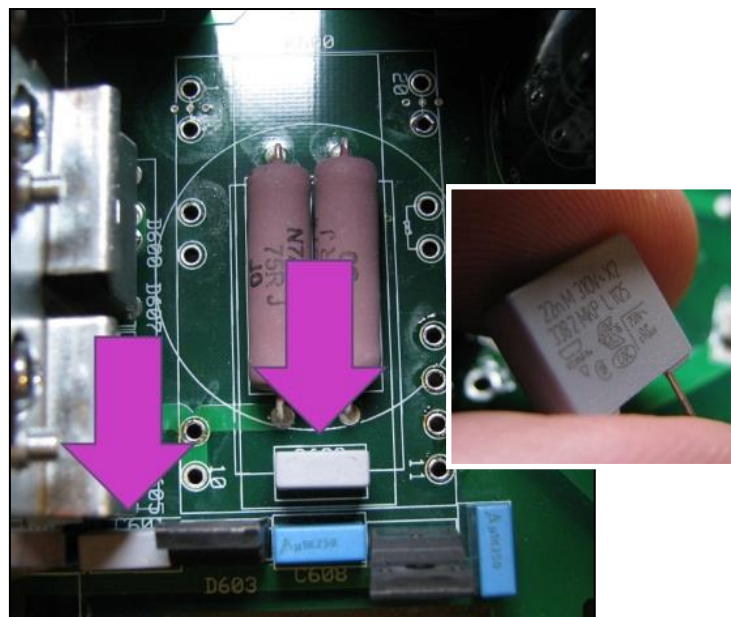
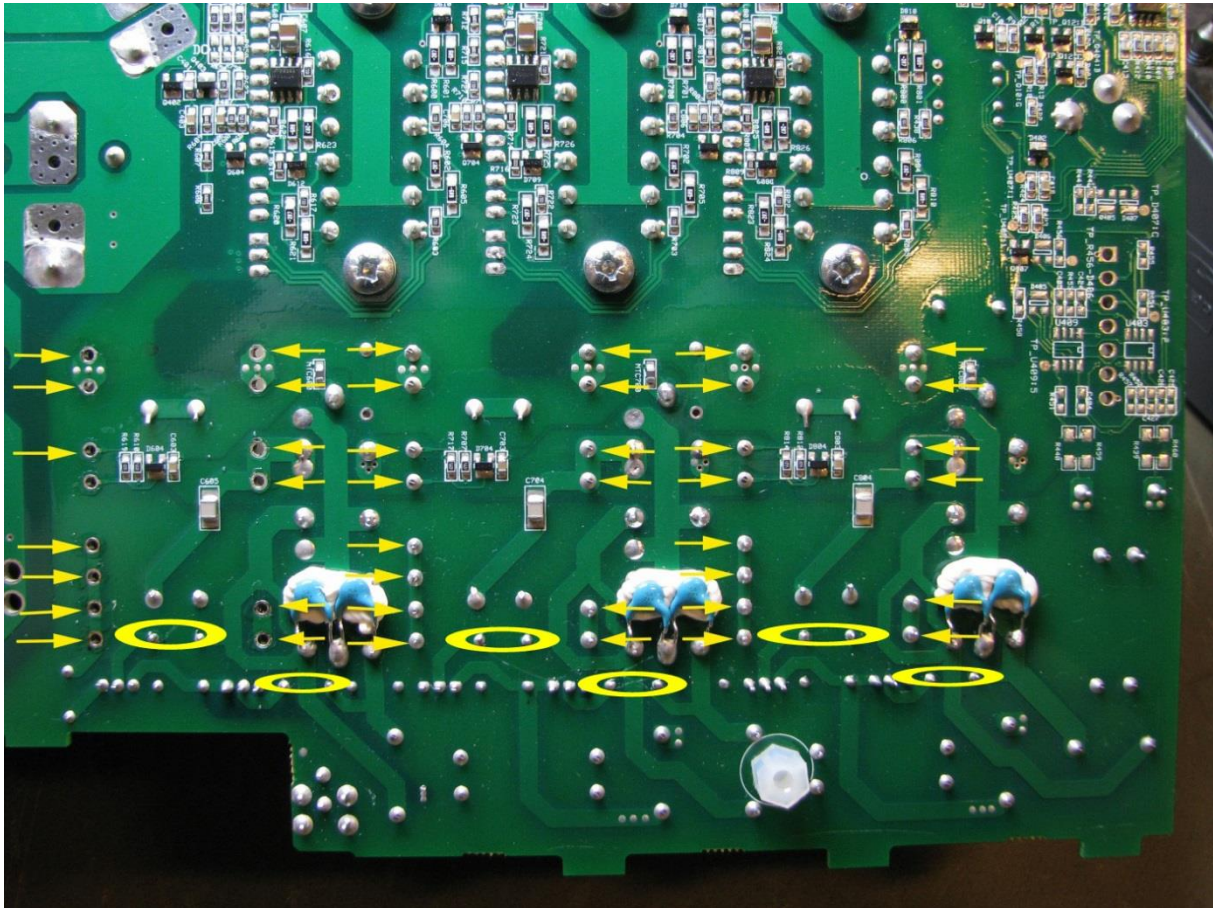




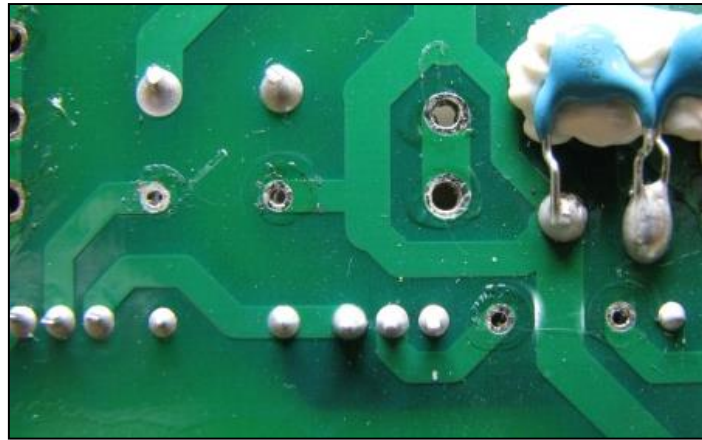
- | | |
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| 10. | Clean up all the pads from soldering tin. Repeat this procedure for the other 2 transformers |
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11. Remove the grey Vishay 22n capacitors from position C600, C601, C700, C701, C810 and C811.
The oval rings show the soldering pins where the capacitors are placed.



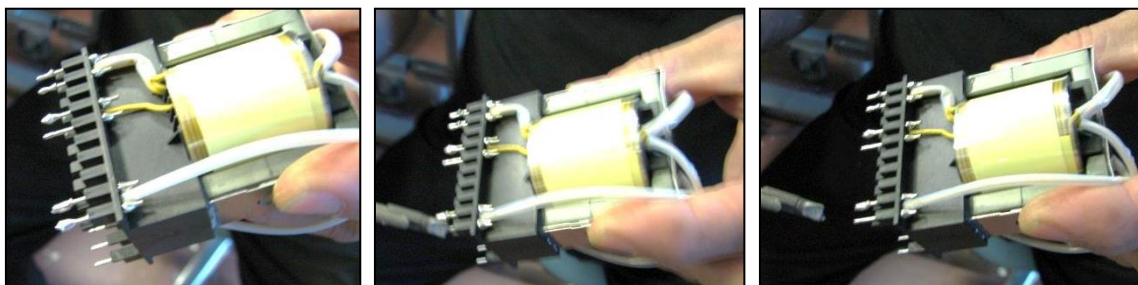
12. Clean the pads from soldering tin



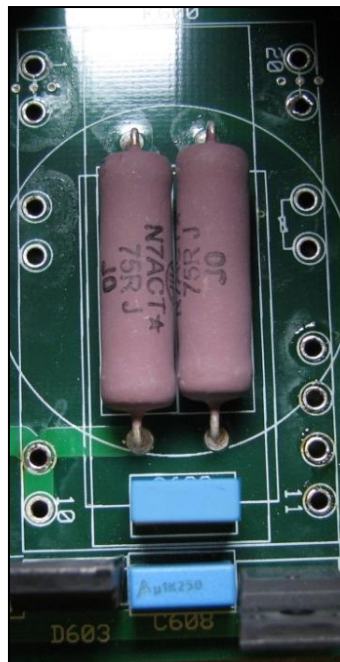
13. Mount the specified evox rifa 22n capacitors on the positions C600, C601, C700, C701, C810 and C811.



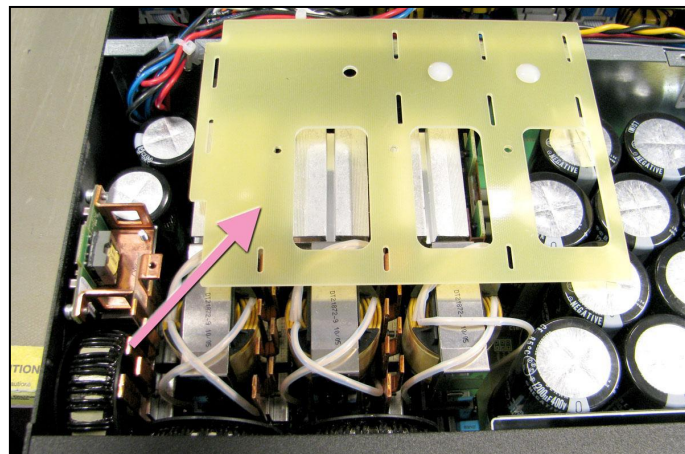
14. Remove excessive soldering tin from the transformer pins



15. Make sure that all the area around the pcb is clean from soldering tin



16. Mount back the transformer and screw back the laminate.



Service repair report forms

Write "Technical Service Bulletin no.31" in column "Repair Remedy" besides other normal repair information.

History

Date	Created By	Status	Bulletin no.	Comment
20140408	ALRIQ	Sharp	31	22N630VMKP7.5