

Service Note		
Product	Description:	Service note no.
<b>2290</b>	<b>Replacing the transformer</b>	<b>Sno_T076</b>

**IMPORTANT:**

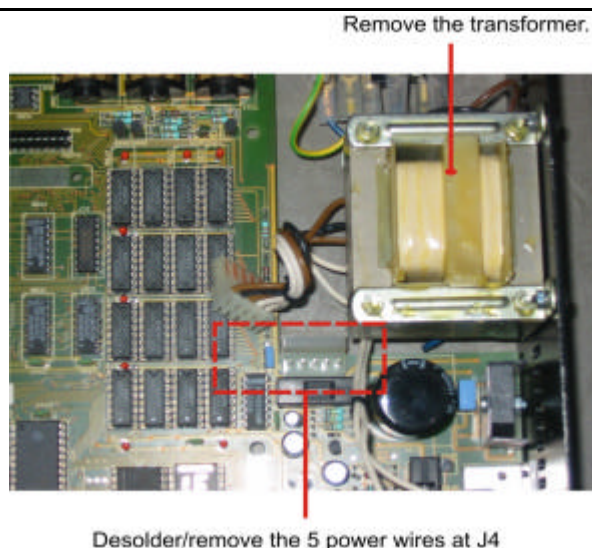
This replacement should only be carried out by skilled technicians.

Please check all parts are included according to the part list:

Product number	Name	qnt.
543030049	2x300mm White wire 18 AWG 1007 UL/CSA	1
543014046	140mm Blue wire 18 AWG 1007 UL/CSA	1
543011540	115mm Black wire 18 AWG 1007 UL/CSA	1
543011548	115mm Grey wire 18 AWG 1007 UL/CSA	1
543011541	115mm Brown wire 18 AWG 1007 UL/CSA	1
543011549	115mm White wire 18 AWG 1007 UL/CSA	1
546009011	5P IDC SOCKET/5x18AWG 1007 -TC2290	1
510015011	TC2290 Transformer :6922 2x18x7,5	1
575021011	2.5x 98mm Cabelstring Polyamid PA 6.6	5
523014011	4.8mm INSULATION FOR FASTON	1
523029011	4.8x0.8mm. 0,5 til 1,5 kvadrat	1
601011011	0812- ESD BAG (203x305mm)	1
706100601	706100601 – Service note no. PSU 706 10 06 01	1

**Upgrade procedure:**

1. Make a backup copy of the user presets and the application software.
2. **TURN OFF POWER AND DISCONNECT THE POWER CORD.**
3. Dismount the top and bottom lids.
4. Remove the transformer.
5. Desolder/remove the connector and the 5 power wires at **J4** on the TC2290 Main PCB fig.1..
  - a. **Hint:** Heat the solder pad (PCB bottom) one pin at a time and when you feel it is loosening up remove it carefully with a flat-nose pliers (component side). Please be careful doing this on older prints, we suggest you use a “soder-wick” tin removal wire or other known methods for removing tin.



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Fig.1

6. Wet a cotton bud in isopropyl and clean up the solder pads.
7. Mount the new transformer and connect the wires to the back panel see the wire-colors in fig.1.

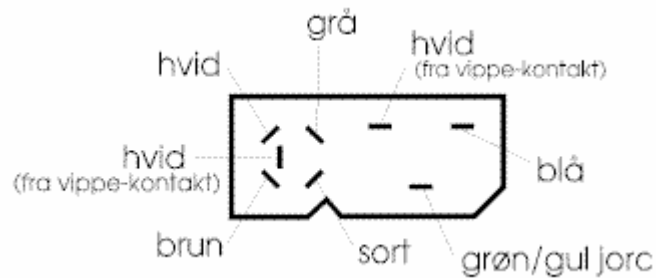
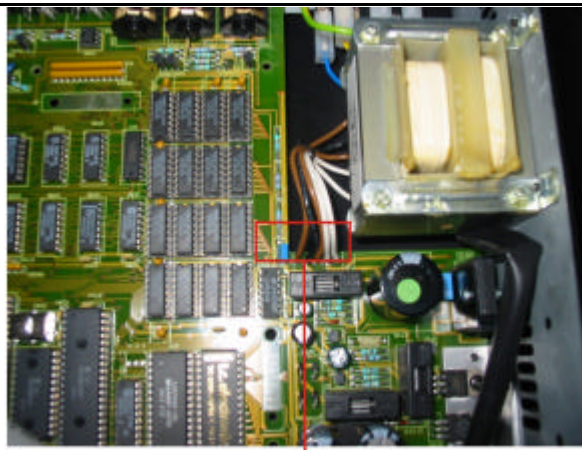


Fig.1

8. Solder the 5 transformer cables to the main print see fig.2.. (It does not matter if you mount white for white or brown for brown). Clean the connector afterwards.



Seen from left to right> brown+black+brown+white+white

Fig.2.

9. Assemble the TC2290 and power on the unit.
10. Good luck!