

marantz® SERVICE BULLETIN		Date: 24-Oct-2005	Model: PM-11S1/N1G/N1S
		Page: 1 / 8	REF.NBR: MZ05-037
Level	Application:	Subject: The noise (humming) of Transformer	
★ ★	See below		
		Int.ref:	

[PHENOMENON]

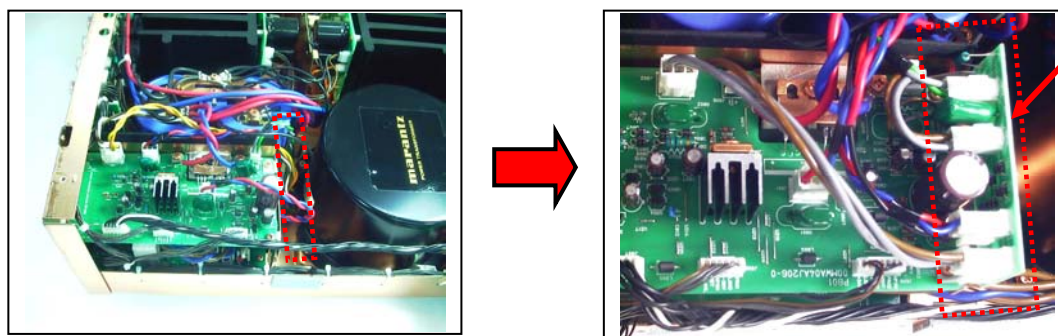
The transformer excites humming and makes resonances in the cabinet caused by distorted AC power line wave form. And also it is not solved by replacing power transformer.

[SOLUTION]

The microprocessor power supply circuit is changed from half-wave rectifier to full-wave rectifier.

1. POS.NO P871 (RECT PWB ASSY) is added.
2. POS.NO W801 (wire with a connector to one side) is added.
3. POS.NO W044 (wire with a connector to both ends) is added.
4. POS.NO W045 (wire with a connector to both ends) is added.
5. POS.NO D815, D817 (DIODE) and G803 (CAPACITOR) are removed.

P871 is added



[NECESSARY PART]

OLD NEW	POS. NO	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
NEW	P871	99MZZ04AJ4000	99MZZ04AJ4000	PWB ASSY KIT	RECT PWB ASSY AND W801, W044, W045

[REMARKS]

This problem apply to the following serial number.

- 1) PM-11S1/N1G apply to 200004xxxxxxx and earlier.

This improvement has been done in the production serial number 200005xxxxxxx and after.

- 2) PM-11S1/N1S apply to 20000516000720 and earlier.

This improvement has been done in the production serial number 20000532000721 and after.

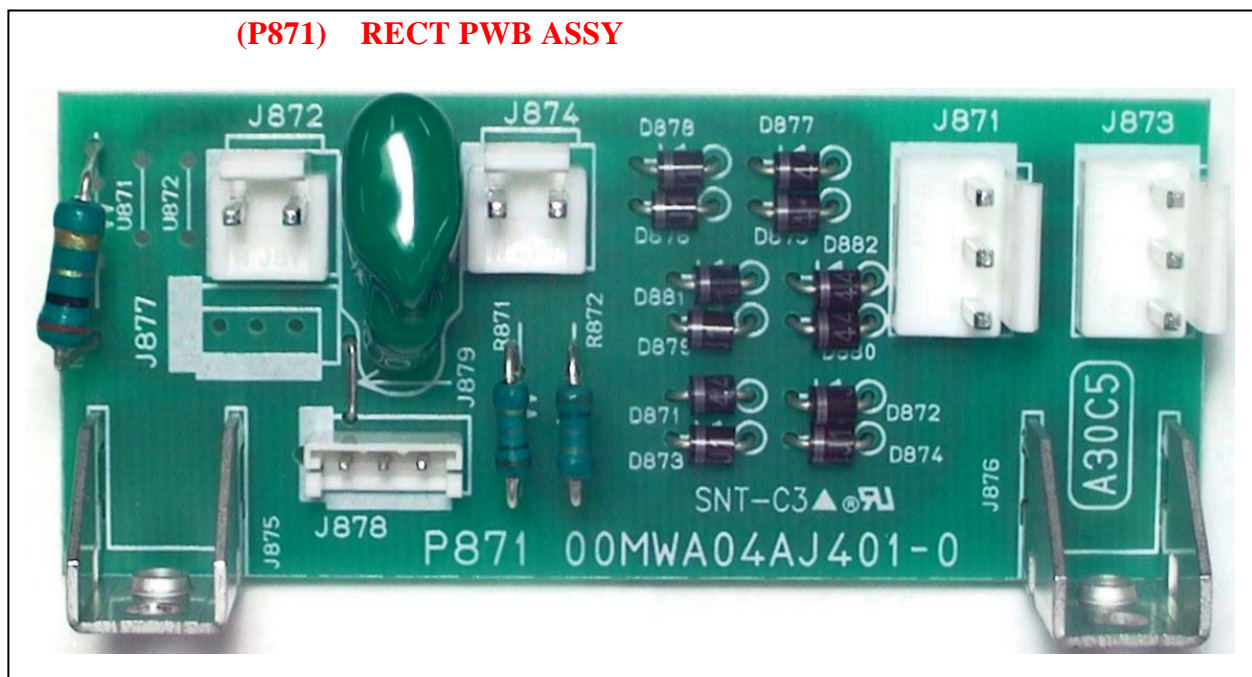
- 3) As for PM-11S1/U1G/K1G/L1G/S1G/F1N/F S, a transformer is different, this problem is not generated.

Approved by N.Sensui Written by S.NAGAO

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1. NECESSARY PART (PWB ASSY KIT part no. 99MZZ04AJ4000)

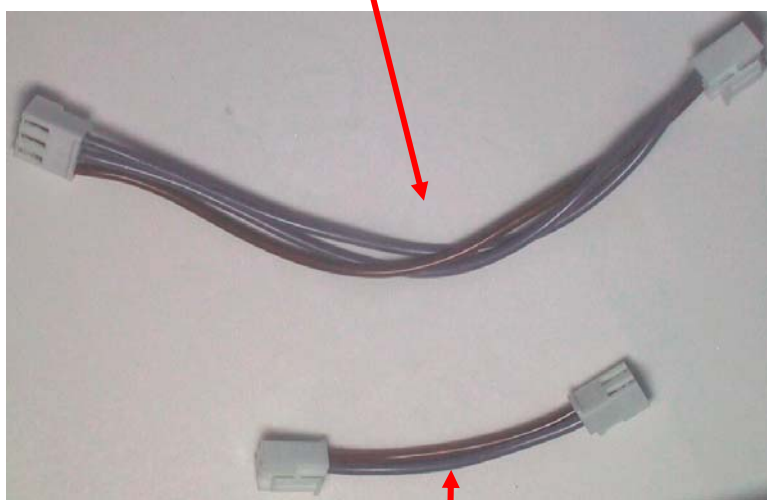
(P871) RECT PWB ASSY



(W801) part no. 00MYB00051700 L=5cm



(W044) part no. 00MYD030314GO L=15cm

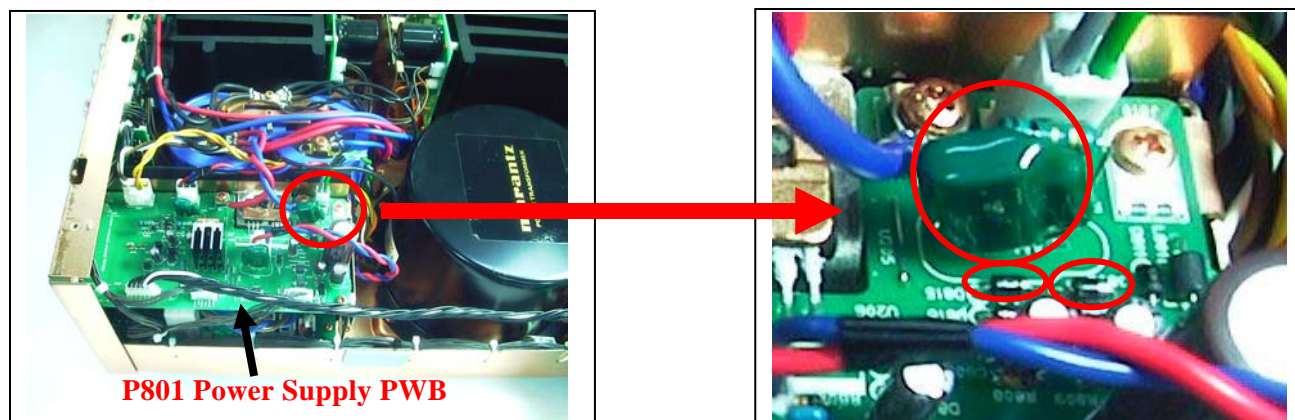


(W045) part no. 00MYB00051690 L=5cm

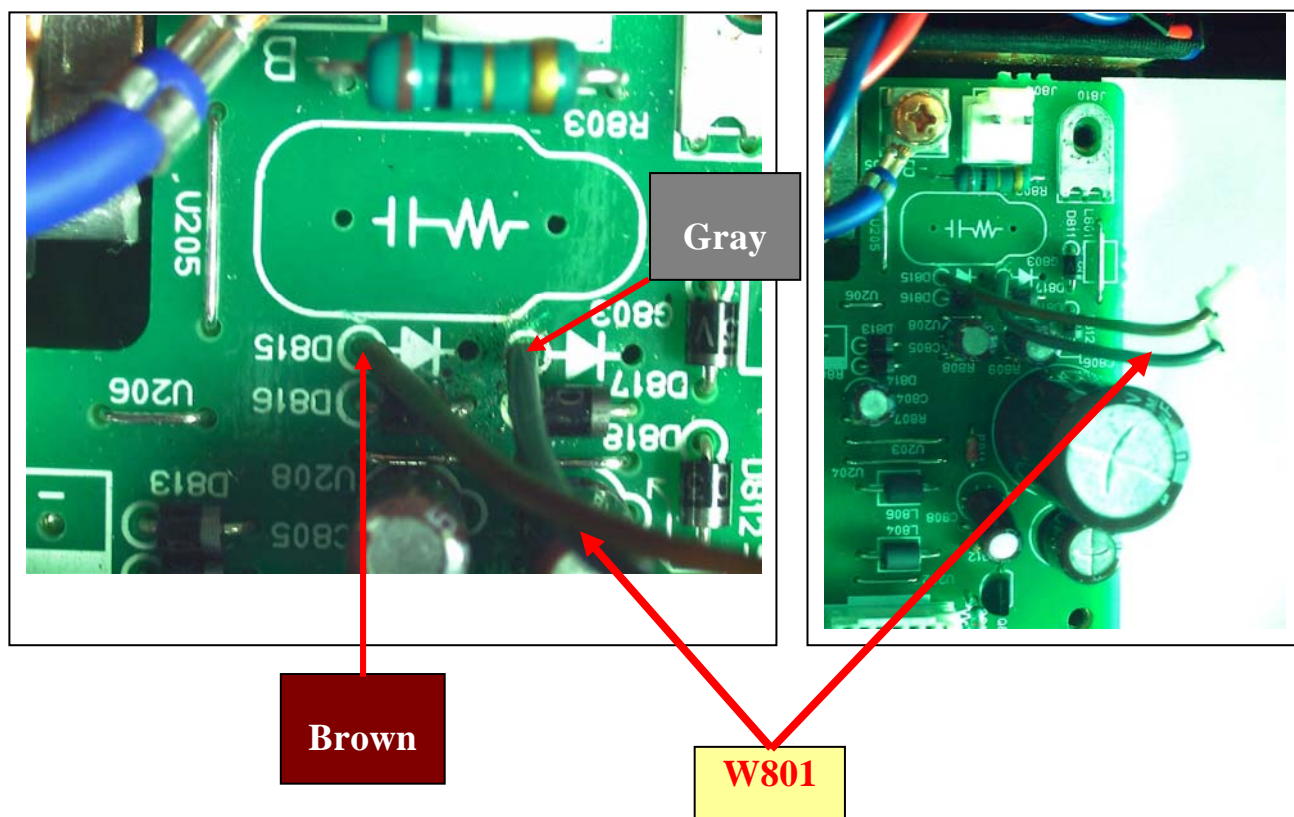


2. P871 RECT PWB ASSY attachment procedure.

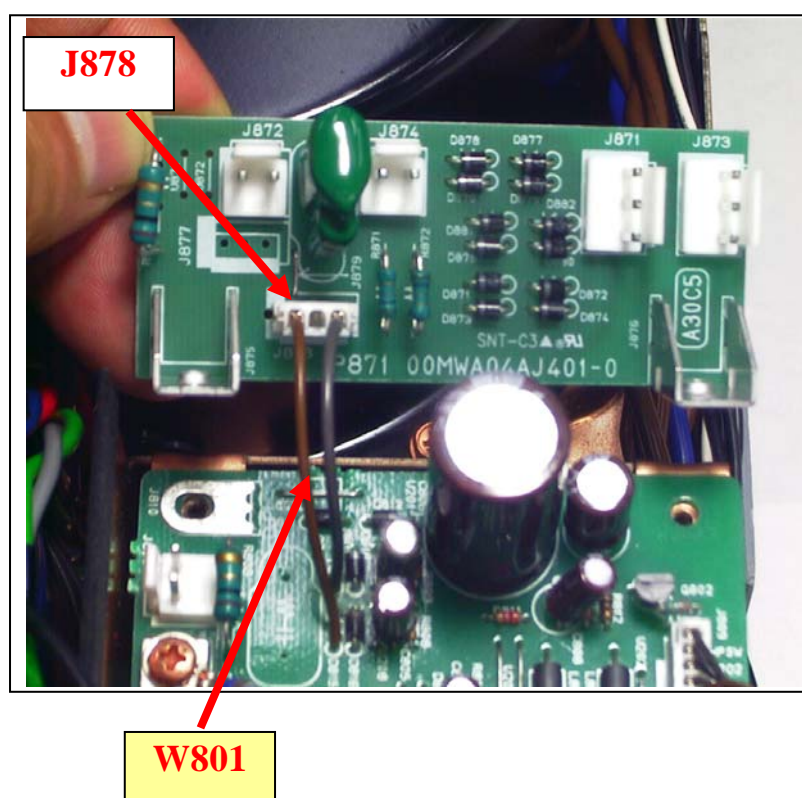
2.-(1) Remove D815, D817, G803.



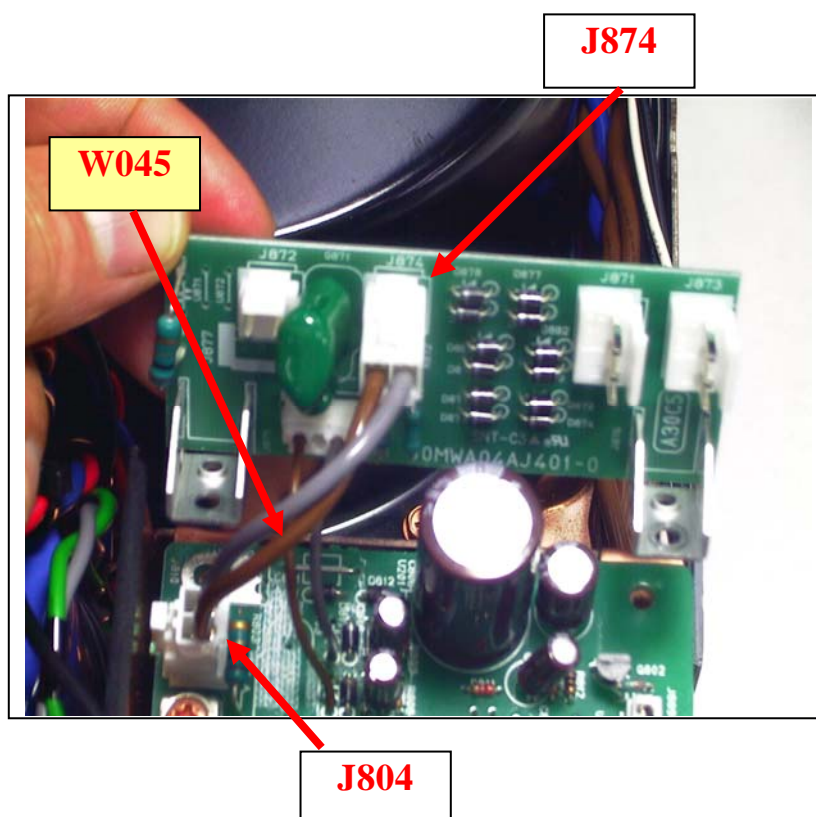
2.-(2) Add W801.



2.-(3) Connect W801 to connector J878

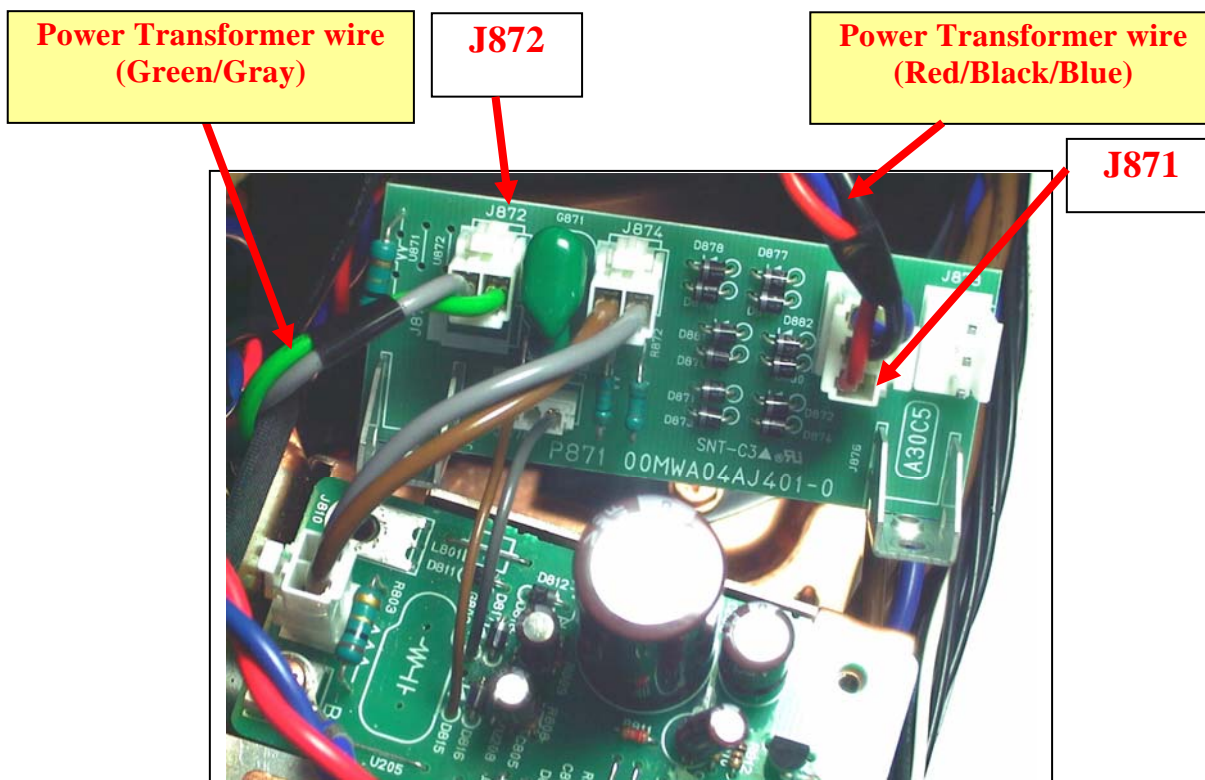


2.-(4) W045 connect J804 and J874.

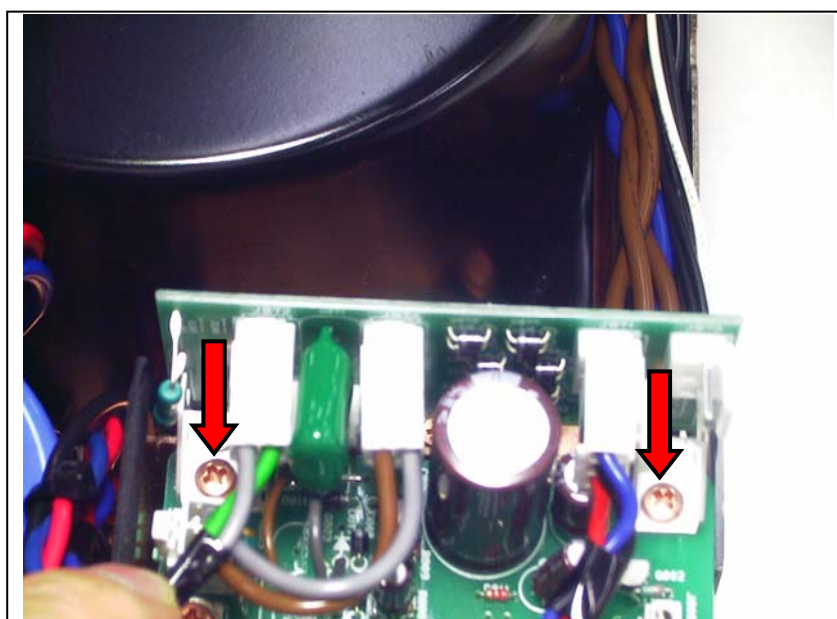


2.-(5) Connect Power Transformer wire (Green/Gray) to J872.

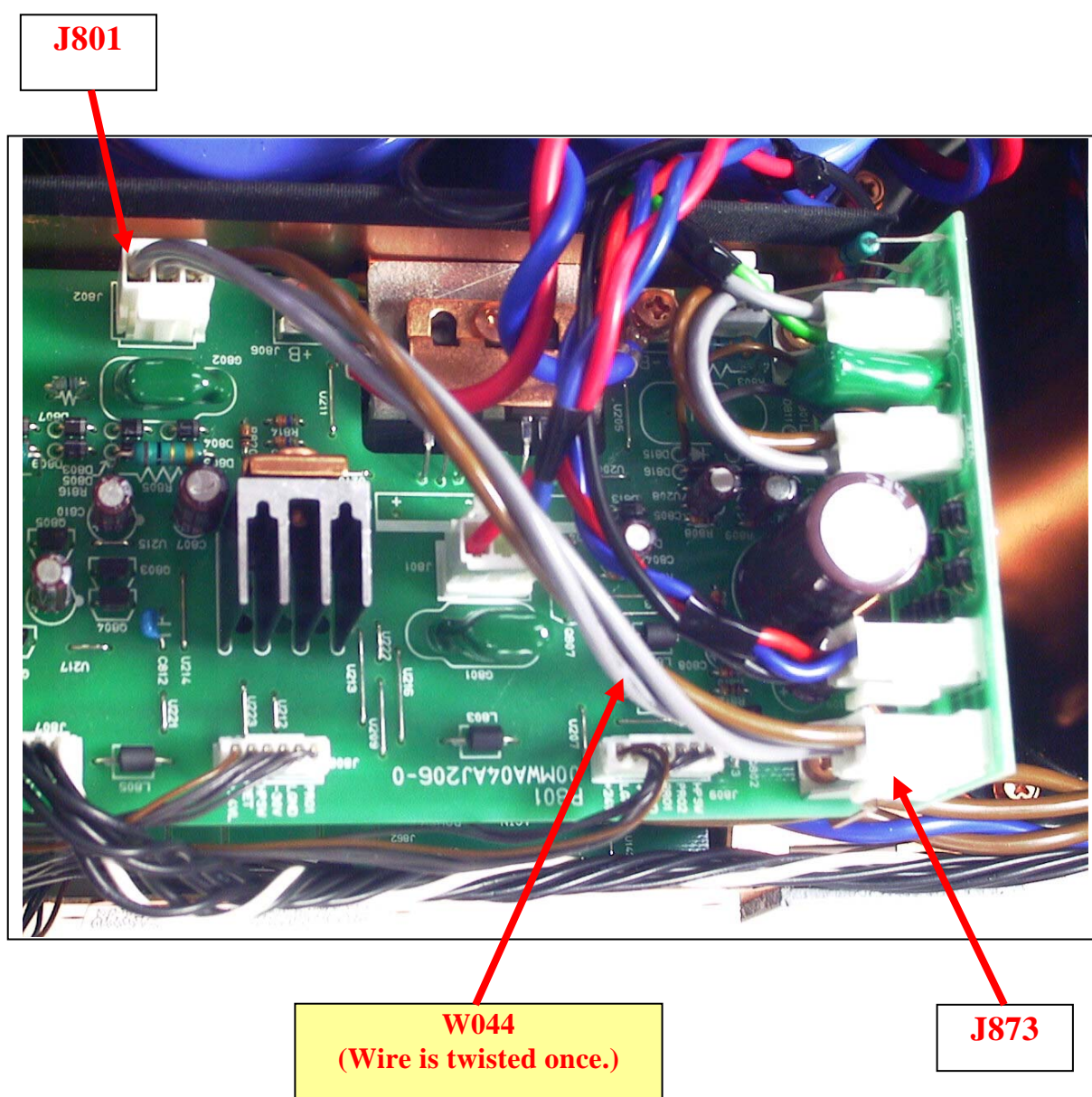
2.-(6) Connect Power Transformer wire (Red/Black/Blue) to J871.



2.-(7) Attach P871 RECT PWB with Screws. (The Screws use the same screws)

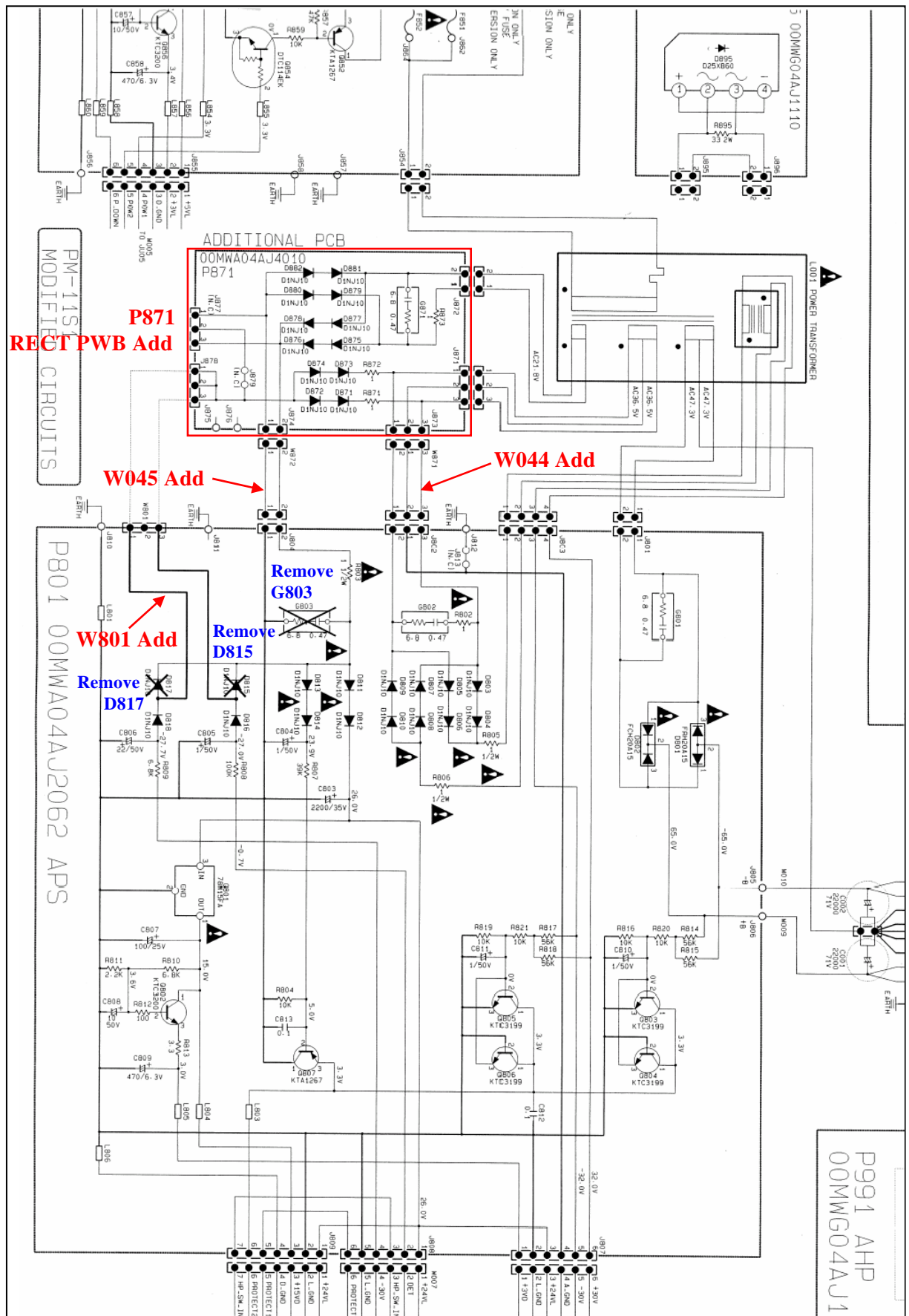


2.-(8) W044 connect J801 and J873.



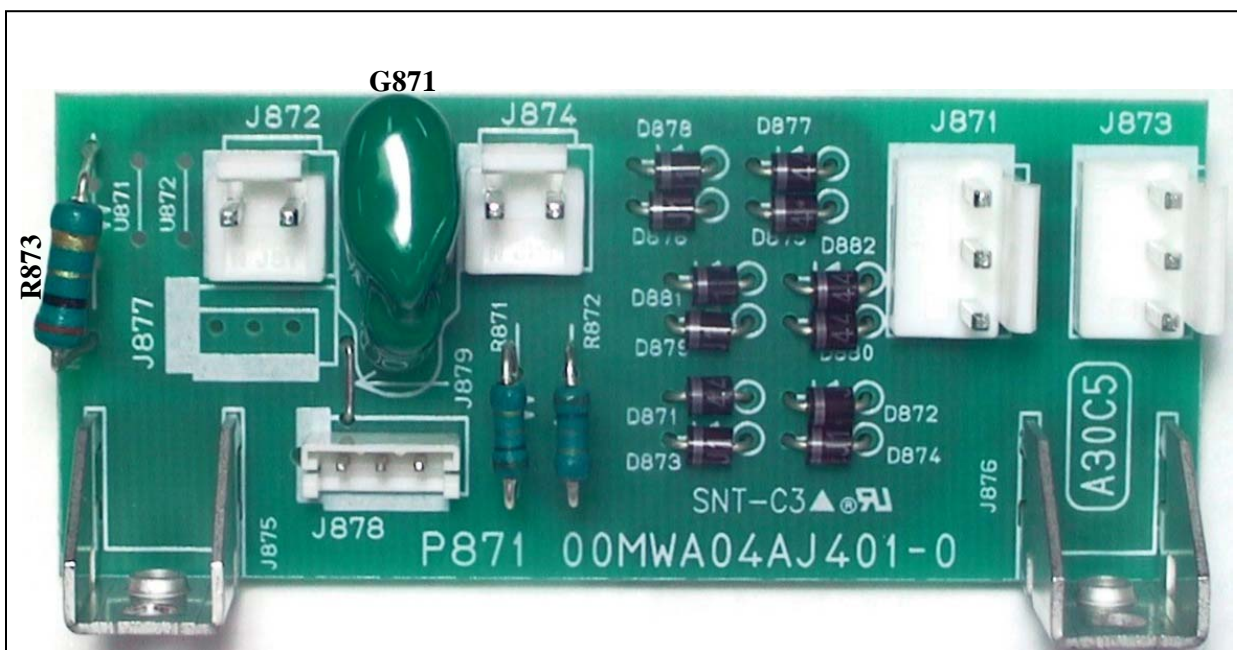
Connection is completed.

3. SCHEMATIC DIADRAM (Changed service manual page28)



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4. Parts List for P871 RECT PWB ASSY



POS. NO	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
D871 D872 D873 D874 D875 D876 D877 D878 D879 D880 D881 D882	nsp	00MHD20045290	DIODE	D1NJ10 100V 1A SBD
G871	00MBF47400020	00MBF47400020	CAP.COMP	0.47UF 6.8OHM
J871 J873	nsp	00MYP06006860	CONN.	JST 3P-PLUG B3P-VH
J872 J874	nsp	00MYP06006840	CONN.	B2P-VH 2P PLUG
J875 J876	nsp	00M320J104010	RETEINER	RETAINER
J878	nsp	00MYP06003830	CONN.	B3B-EH 3P
R871 R872	nsp	00MGG05010140	RES.	1 OHM +- 5% 1/4W
R873	00MNK05010120	00MNK05010120	RES.	1.0 OHM +-5% 1/2W

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