



**SERVICE BULLETIN
NO:04003**

2004/04/21

MODELS : TX-SR502/502E/8250/HT-R520

SUBJECT : The countermeasure against IC oscillation.

Symptom:

TX-SR502's output sometimes has a hum with signals after power on within few minutes.

When selector or DSP mode is switched to another at this moment, the protect program starts.

Cause:

Oscillation of IC regulator.

Procedure for service:

To exchange an electrolytic capacitor with that of 330uF for C6412 in NADG-8230.

Circuit No.	Before change		After change	
	Parts No.	Description	Parts No.	Description
C6412	394741007	ELECT C CE04W16V10M	394743317	ELECT C CE04W16V330M

Marking: No change

Application:

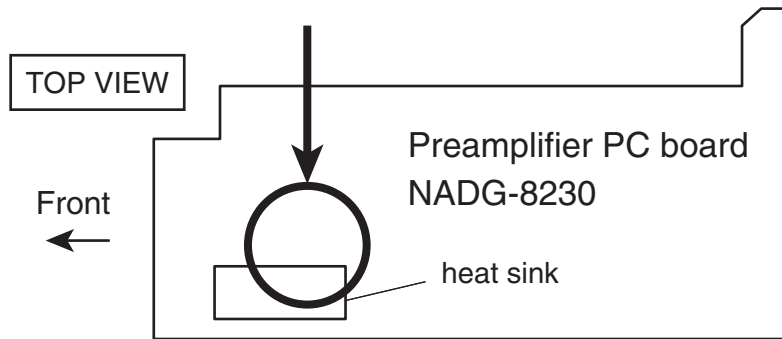
TX-SR502(B) MDD, MDC

HT-R520(B) MDD, MDC #1-

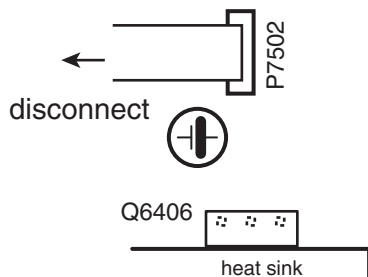
HT-R520(S) MDD, MDC #1-

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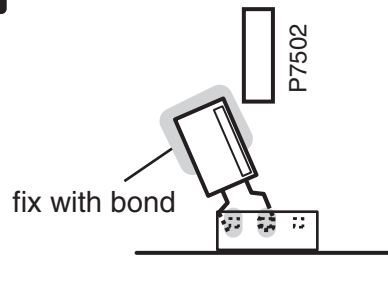
The countermeasure against IC oscillation.



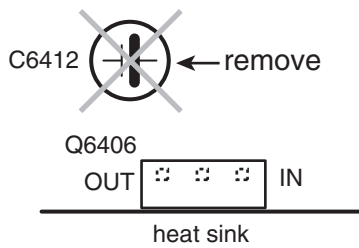
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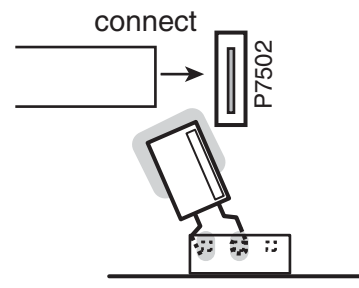
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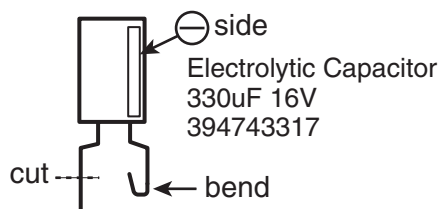
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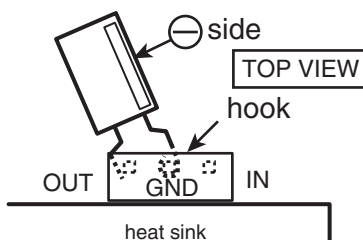


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**8 Visual Check**

1. Check if the capacitor is properly connected to the IC considering polarity.
2. Check if soldering was done by using just enough quantity of solder and heat and there remains enough clearance between the capacitor and the other terminals or heat sink nearby.
3. Check if just enough bond is used to fix the capacitor and no bond is left around socket.
4. Check if FFC of P7502B is inserted in the socket in the right direction from the right angle.

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**9 Operation Check**

Check if sound outputs properly when digital sound signal is input.

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