

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:

Oscillatation 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

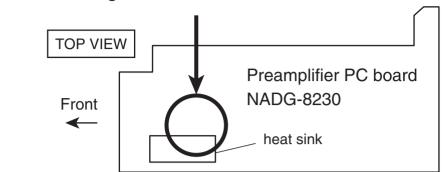
Application:

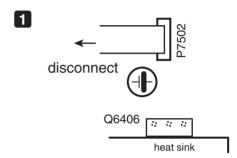
TX-SR502(B) MDD, MDC HT-R520(B) MDD, MDC #1-

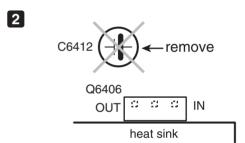
HT-R520(S) MDD, MDC #1-

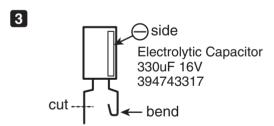
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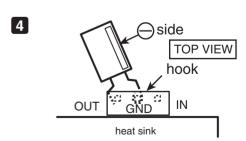
The countermeasure against IC oscillation.

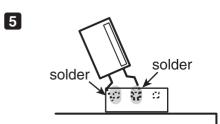


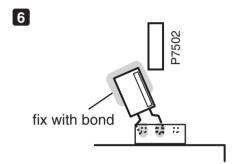


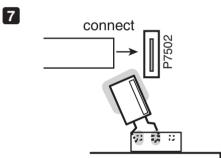












8 Visual Check

- 1. Check if the capacitor is properly connected to the IC considering polarity.
- 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.

9 Operation Check

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