

Service Bulletin

No. : MZ08-078

Date: December 29, 2008

Model: SA8003

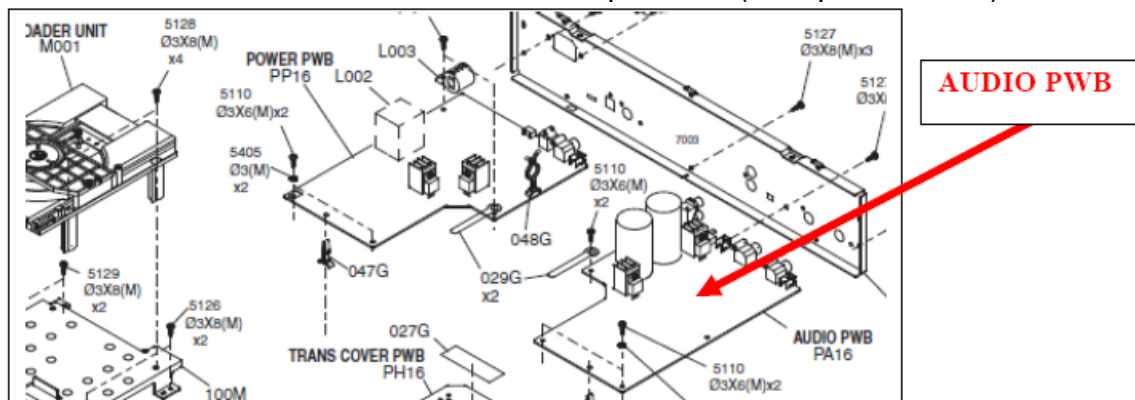
Subject: Improvement of analog output oscillation

Symptom: When the unit is connected to a PM7003, PM8003 or PM-11S2 with a special low-capacity RCA cable and only when the unit is in low temperature conditions, beat noise may occur during playback.

Solution: In order to prevent oscillation, a capacitor must be inserted between the base and collector of transistors in the diamond buffer input stage so as to drastically reduce the peak of the gain frequency characteristics.

Modify the POS. NO. PA16 AUDIO PWB as follows:

1. Install a 47pF ceramic capacitor between the base and collector each of Q609 and Q709.
2. Put in a rubber sheet by the base and collector each of Q609 and Q709.
3. *Bond the rubber sheets and ceramic capacitors. (Two points each.)



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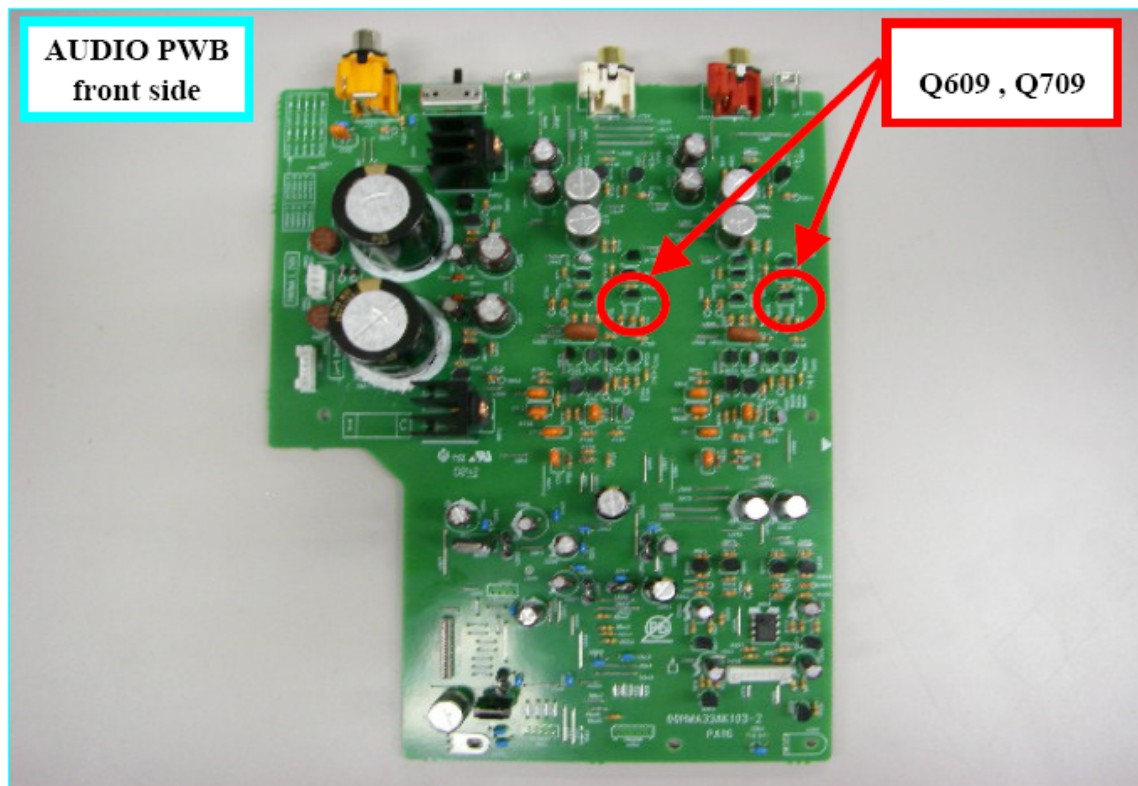
For further details of the modification procedure, please refer to the “SA7003/SA8003 AUDIO PWB Modification Procedure”.

Parts:

Qty	Description	Part Number
2 pcs	47pF ceramic capacitor	00MDA15470110
2 pcs	Rubber sheet	00D4610415007
NA	BOND	SC608LVZ

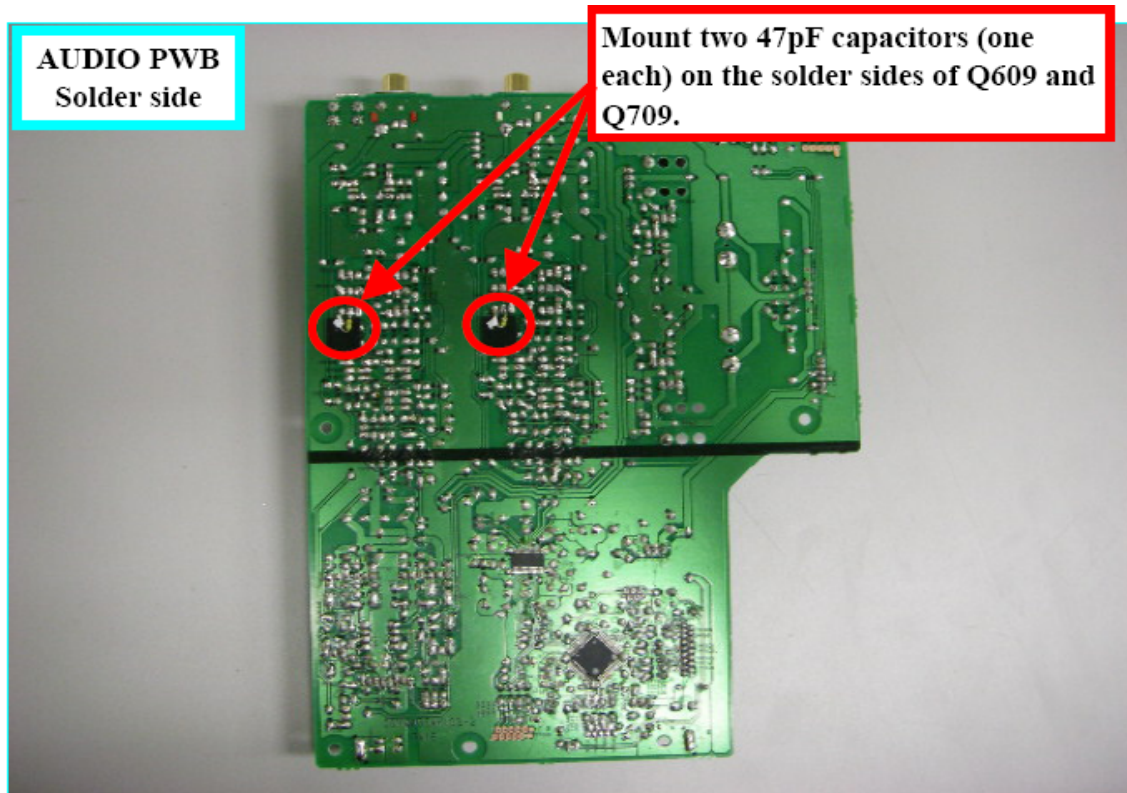
BOND (SC608LVZ Sony Chemical Corp. Self-extinguishing adhesive) or the equivalent. See **Sony bond technical tip** for equivalent bond.

SA8003 AUDIO PWB Modification Procedure



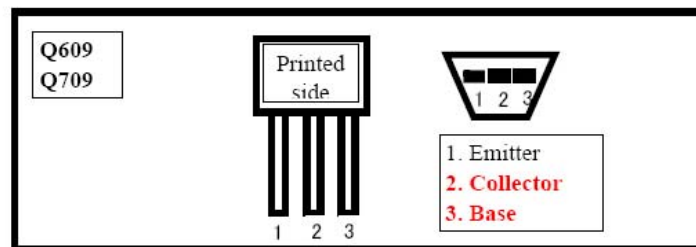
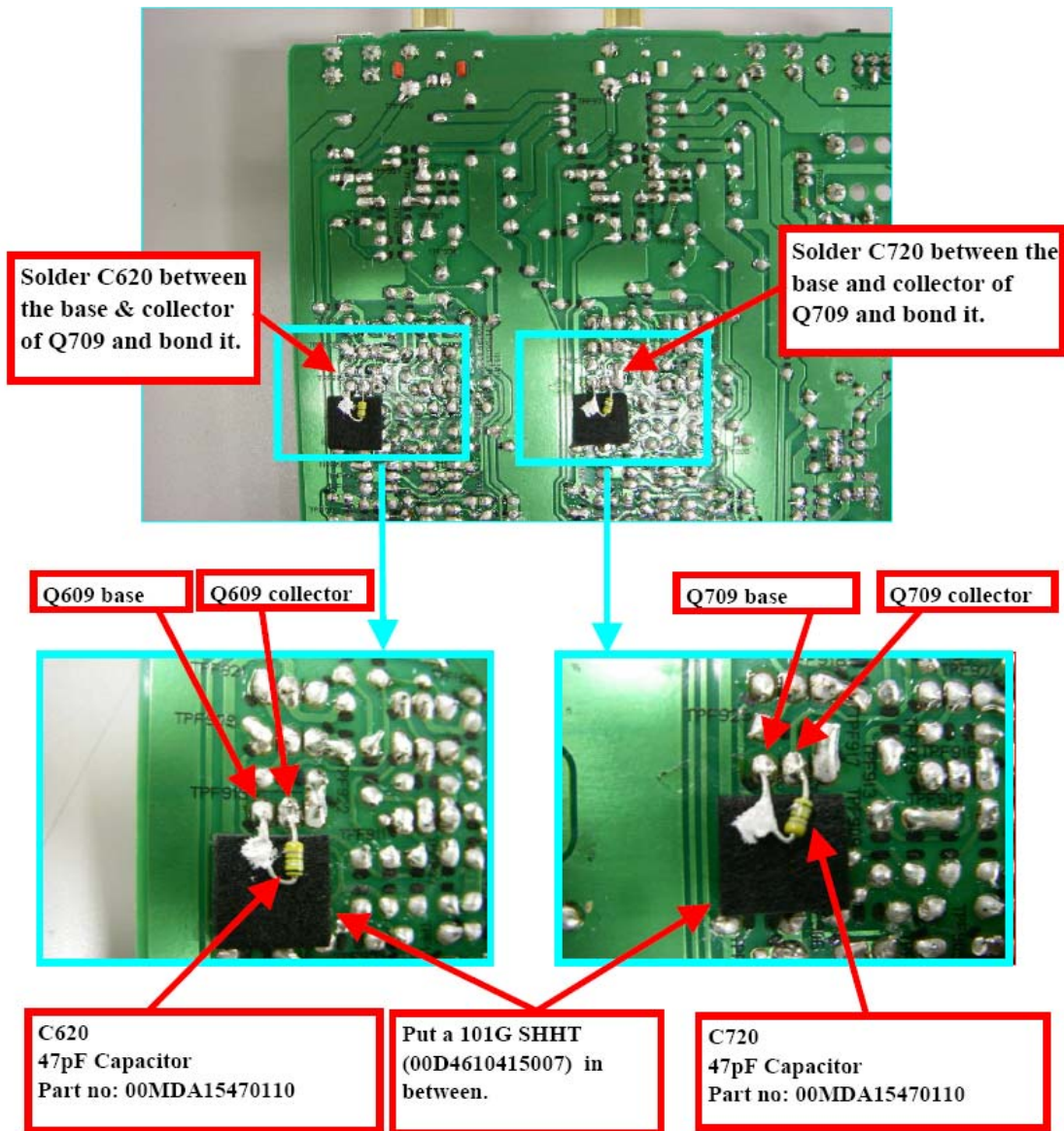
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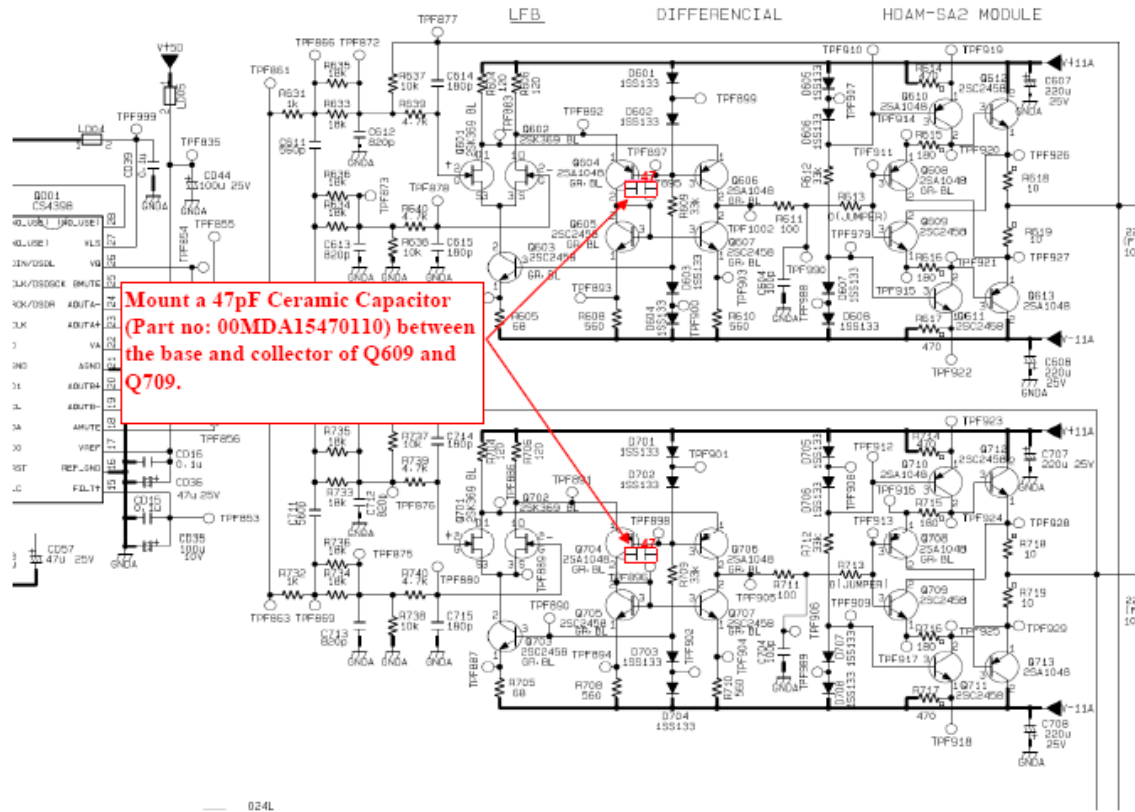
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SA8003 Anti-oscillation modification points (Analog output circuit)



Serial Number Range:

Applicable up to "C10008xx000300"

From "C10008xx000301" already modified in production.

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