B&W Group **CLASSE**

Audible buzz heard from chassis with CA-D200, AMP2 and AMP5

Service Notice # 0015		Release date: April 9, 2015

SYMPTOM/PROBLEM DESCRIPTIONS:

When the amplifier is on with no audio passing, a buzz may be heard from the amplifier chassis. This noise is not heard in the speakers.

TEST CONDITIONS FOR VERIFICATION:

Having the CA-D200, AMP2, AMP5 connected with AC only and powered on.

ROOT CAUSE:

Piezoelectric capacitors and/or inductors may vibrate under certain AC conditions.

SCOPE:

Orange caps to be removed are found in
CA-D200 SN#2260785 and lower, AMP2 SN#2220929 and lower and AMP5 SN#2230762 and lower

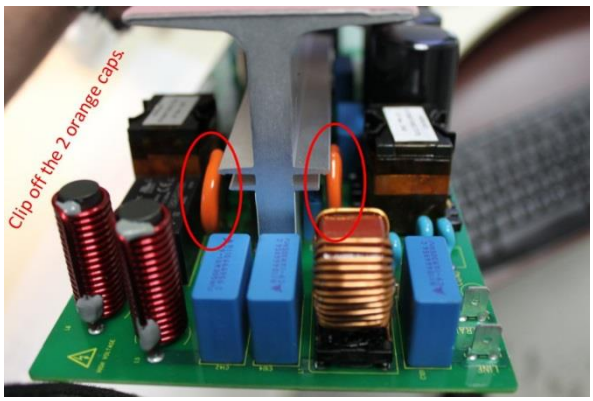
Inductors that may require silicone mod are found in
CA-D200 SN#2260785 and lower, AMP2 SN#2220929 and lower and AMP5 SN#2230762 and lower

SOLUTION:

Power supply capacitors

1. Unplug amplifier from AC outlet and let sit for 15 minutes to let the capacitors discharge. This is critical for safety since the power supply involves high DC voltages.

2. On power supply board R8601, clip the 2 orange capacitors (C54 & C63) with appropriate cutters.



3. Put cover back on and check to see if the noise is still present. If it is, there could be an issue with vibrating inductors on Aux power supply board R8602 (CA-D200, AMP2) or R8702 (AMP5).

Diagnosing and solving inductor related vibration:
The sound of inductor vibration is usually low frequency in nature (similar to the sound of a buzzing transformer).

Take the top cover off of the amplifier and turn amplifier on. Take a non-conductive probe (such as a plastic pen) and apply pressure to L202 & L203 (AMP2, CA-D200) or L21 & L22 (AMP5). The noise should be dramatically attenuated when applying pressure.

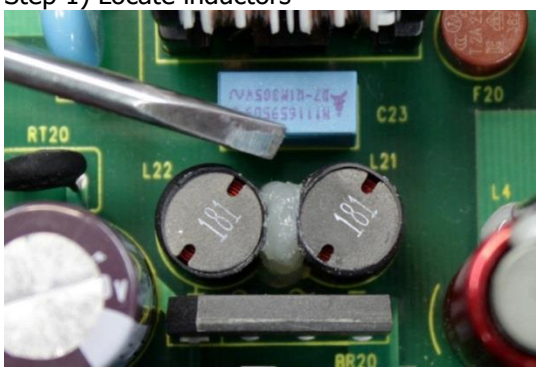
Audible buzz heard from chassis with CA-D200, AMP2 and AMP5

Service Notice # 0015		Release date: April 9, 2015

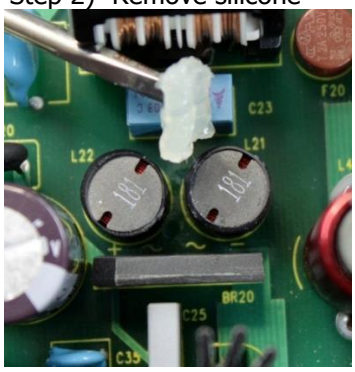
Sigma AMP2/CA-D200 inductors

Some AMP2/CA-D200's will already have silicone applied but it may be insufficient. If this is the case, carefully remove the silicone with a small flat blade screwdriver or similar tool. Follow steps 1 & 2. Add silicone around L202 and L203 of R8602 (AUX power supply). The silicone should flood the area and make contact with the bridge rectifier (BR201) and the blue capacitor (C202) that are located on either side of the two inductors. Follow steps 3 through 5.

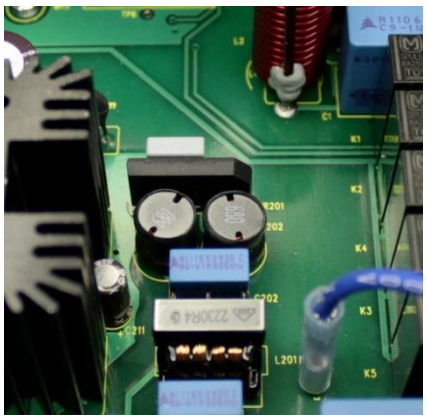
Step 1) Locate inductors



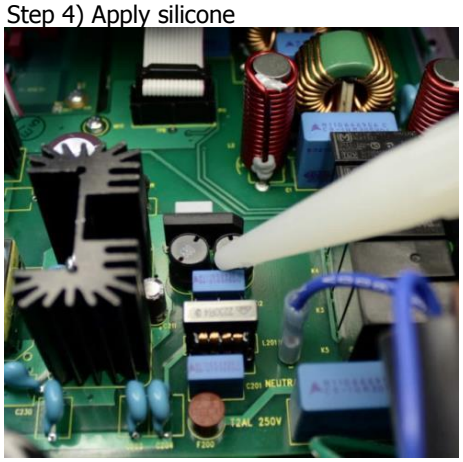
Step 2) Remove silicone



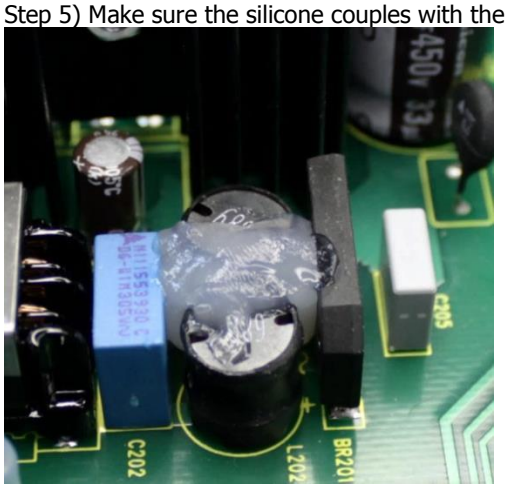
Step 3) Make sure surfaces are clean



Step 4) Apply silicone



Step 5) Make sure the silicone couples with the bridge rectifier and capacitor.



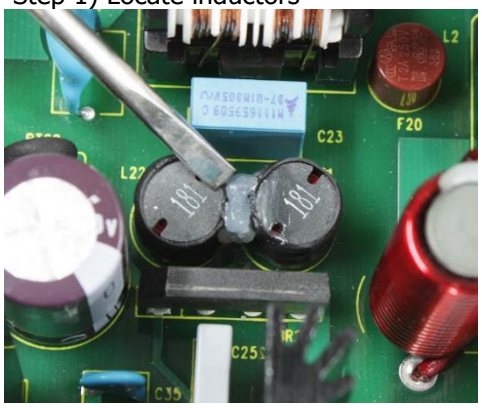
Audible buzz heard from chassis with CA-D200, AMP2 and AMP5

Service Notice # 0015		Release date: April 9, 2015

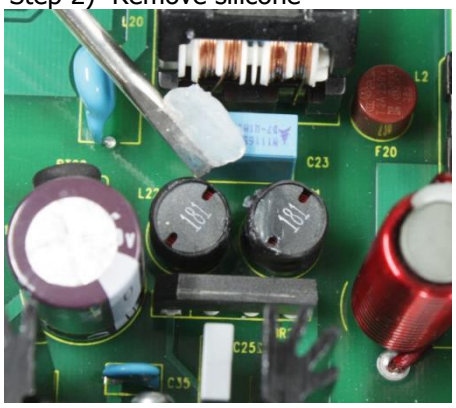
SIGMA AMP5 inductors

Some AMP5 amplifiers will already have silicone applied but it may be insufficient. If this is the case, carefully remove the silicone with a small flat blade screwdriver or similar tool. Follow steps 1 & 2. Add silicone between L21 and L22 of R8702 (AUX power supply board). The silicone should flood the area and make contact with the bridge rectifier (BR20) and the blue capacitor (C21) that are located on either side of the two inductors. Follow steps 3 through 5.

Step 1) Locate inductors



Step 2) Remove silicone



Step 3) Make sure surfaces are clean

Step 4) Apply silicone

Step 5) Make sure the silicone couples with the bridge rectifier and capacitor.