



## Neo Geo Cap Kits

Thank you for your purchase! The Neo Geo systems are notorious for audio problems and this cap kit will keep your system sounding beautiful for many years to come.

If you have any of these audio problems, then the cap kit is for you:

- No audio – even during diagnostic tests
- One channel missing – and you've tested the speakers & harness
- Fluctuating volume – and the volume control isn't the cause
- Sputtering or tinny sound

While SNK used 85 degree Celsius capacitors in the MVS systems, these caps have a shorter life inside of an arcade cabinet where there is little to no ventilation. Instead, we use 105 degree Celsius capacitors whenever possible, which will endure the high temperatures found inside of the cabinet.

The pictures in this document are of the audio sections for the MVS boards we supply kits for. There are some capacitors that do not need to be replaced. Those are marked with big yellow "Xs". Replace all the others in the picture.

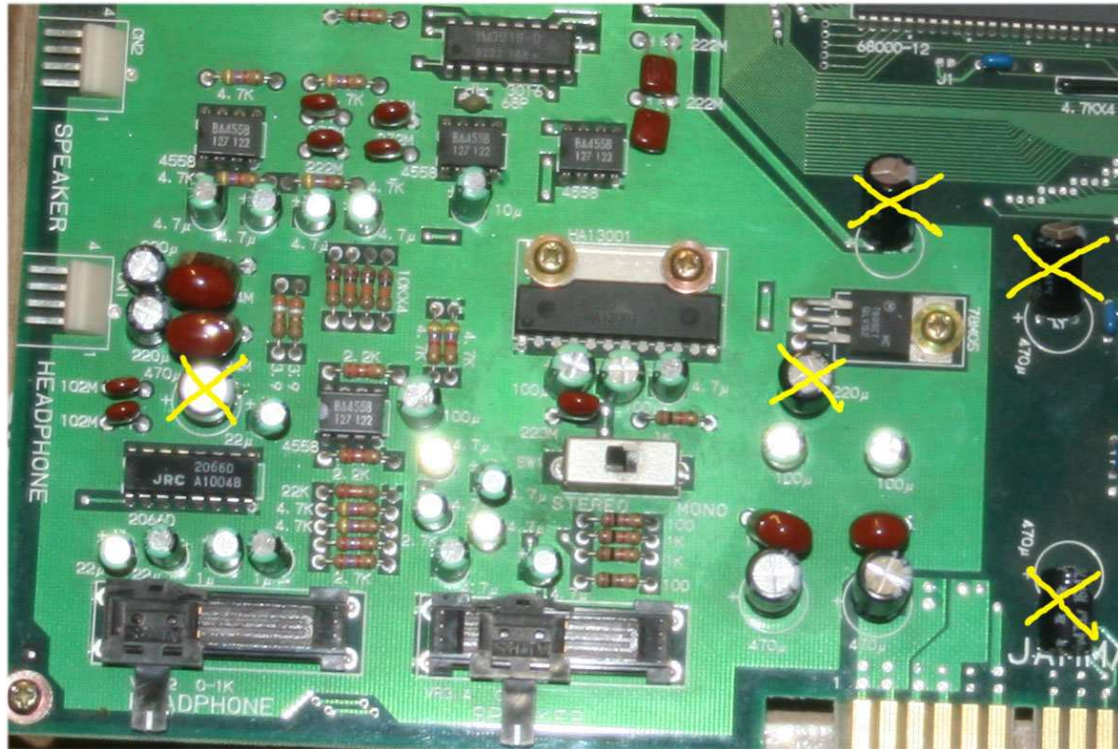
Neo Geo boards are marked with capacitor values and polarity on the silkscreen. Simply desolder the old caps, insert the new ones properly, double check the polarity, and solder them in.

Be careful of the 22uf and 100uf capacitors. The "-", or negative, side of these capacitors are soldered to heavy ground traces. It takes quite a bit more heat to desolder those capacitors cleanly.

When finished, play your favorite games and enjoy!

## MVH SLOT-1 (MV1)

The MV1 kit contains 26 capacitors. There are 5 capacitors that do not get replaced. These are marked with a yellow X.



The capacitors that do not get replaced are used for filtering the +5v and +12v power lines.

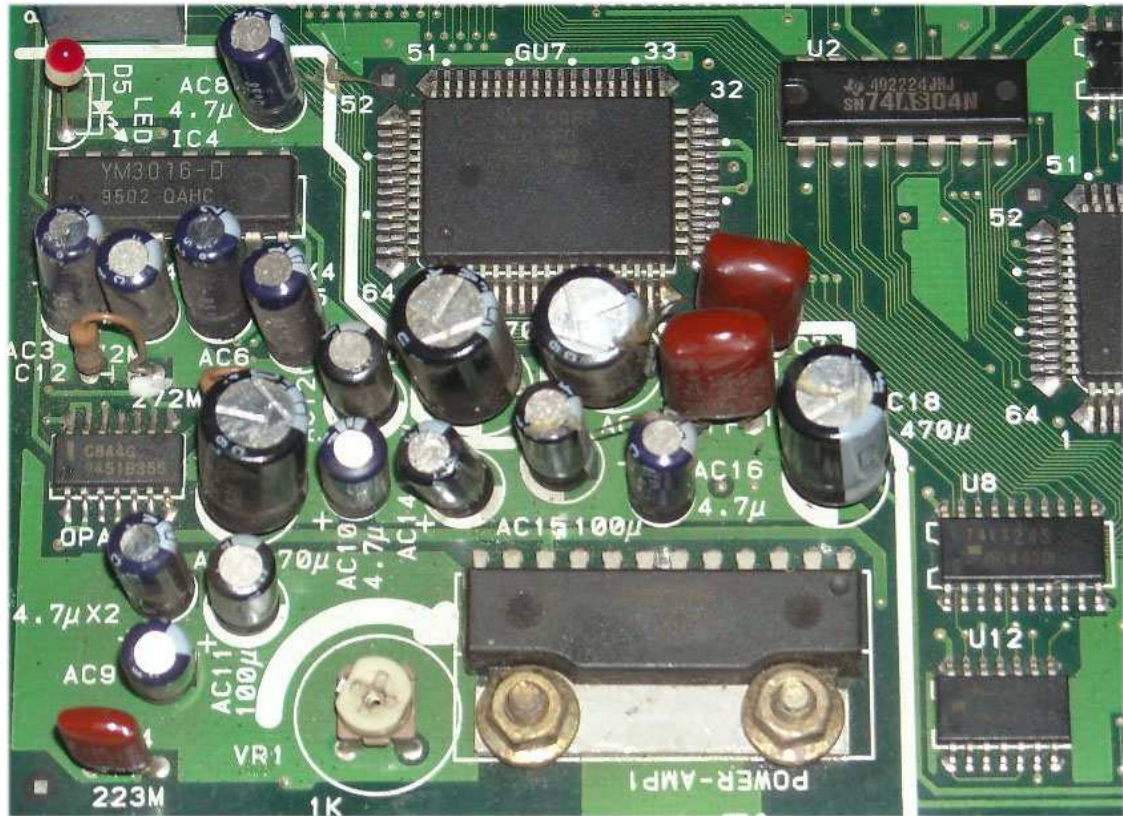
Every cap that is soldered to the heavy ground plane on the top of the board will require extra amounts of heat to desolder. You may find it easier to heat up the ground leg of the capacitor with a soldering iron then pulling it out and desoldering the hole afterwards.

If the board is very dirty then the Stereo/Mono switch should be cleaned with contact cleaner.

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## MV-1FZ

The MV-1FZ kit contains 17 capacitors. Every capacitor in the audio section gets replaced.



Every cap that is soldered to the heavy ground plane on the top of the board will require extra amounts of heat to desolder. You may find it easier to heat up the ground leg of the capacitor with a soldering iron then pulling it out and desoldering the hole afterwards.

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## **MV2**

The MV2 kit contains xx capacitors. There are x capacitors that do not get replaced. These are marked with a yellow X.

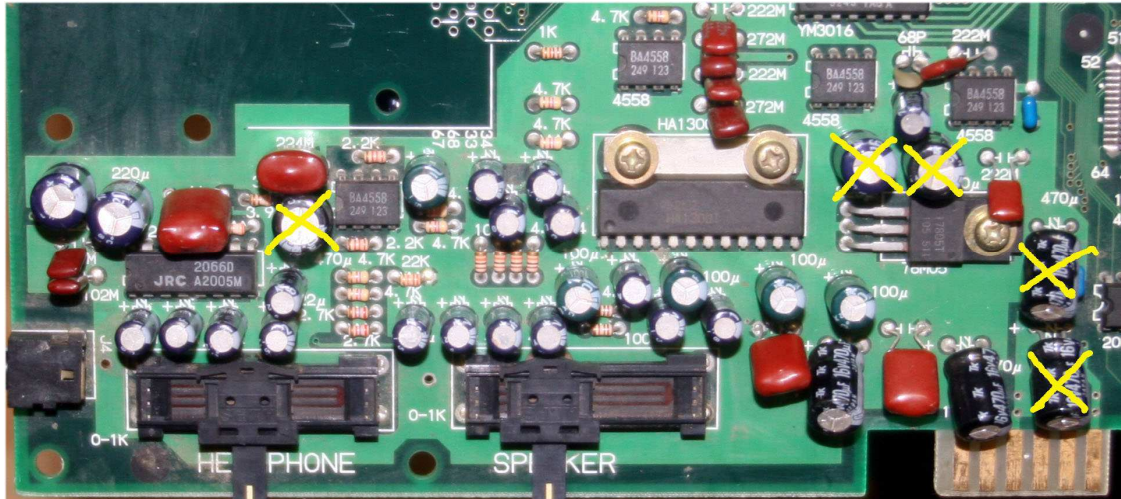
< Need a pic of the MV2 >

The capacitors that do not get replaced are used for filtering the +5v and +12v power lines.

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## MV2F

The MV2F kit contains 26 capacitors. There are 5 capacitors that do not get replaced. These are marked with a yellow X.



The capacitors that do not get replaced are used for filtering the +5v and +12v power lines.

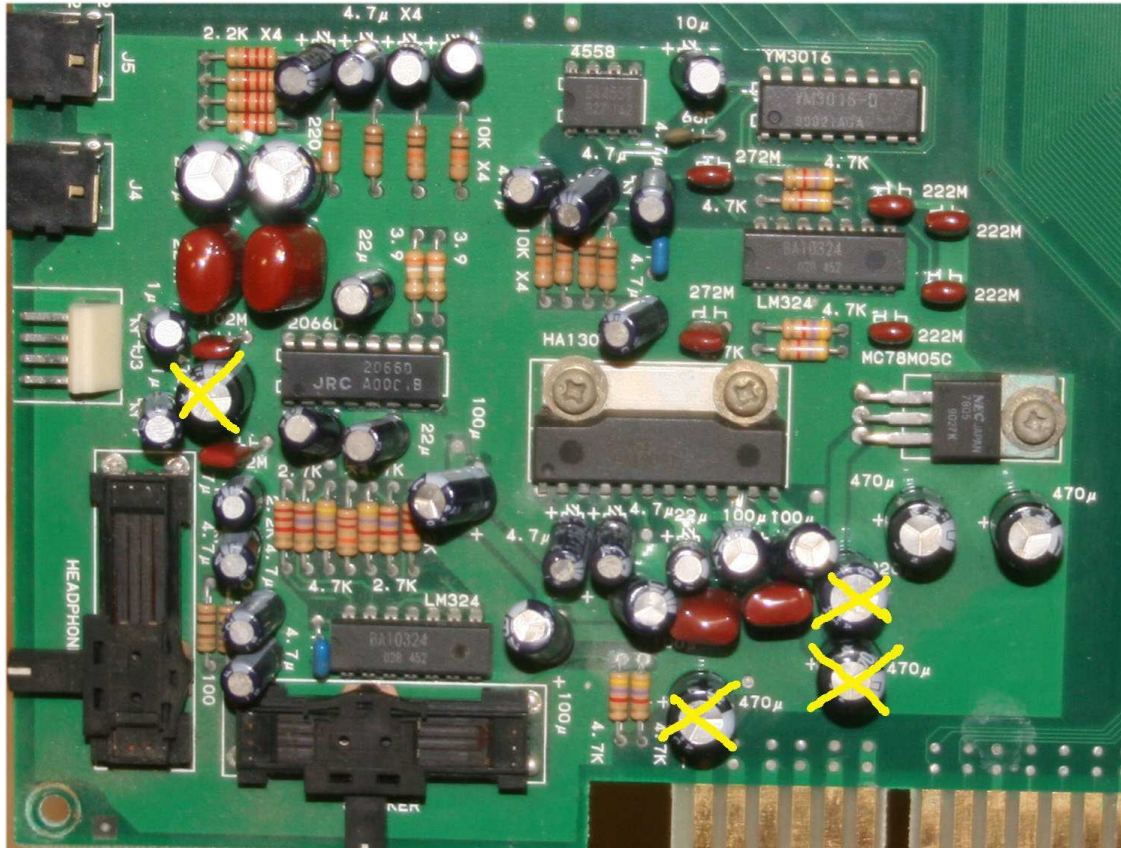
The 22uf and 100uf caps on this board have connections to the ground plane on top of the board and require extra heat to remove.

This board actually DOES have a real 1/8" stereo headphone jack for headphones.

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## MV4

The MV4 kit contains 30 capacitors. There are 4 capacitors that do not get replaced. These are marked with a yellow X.



The capacitors that do not get replaced are used for filtering the +5v and +12v power lines.

The 22uf and 100uf caps on this board have connections to the ground plane on top of the board and require extra heat to remove.

Don't be confused by the "headphone" jacks on this board. They are not for headphones but rather Line In jacks. The headphone connection on this board is the 4 pin connector.

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## **MV4F**

The MV4F kit contains 23 capacitors. There are x capacitors that do not get replaced. These are marked with a yellow X.

<Need a pic of the MV4F>

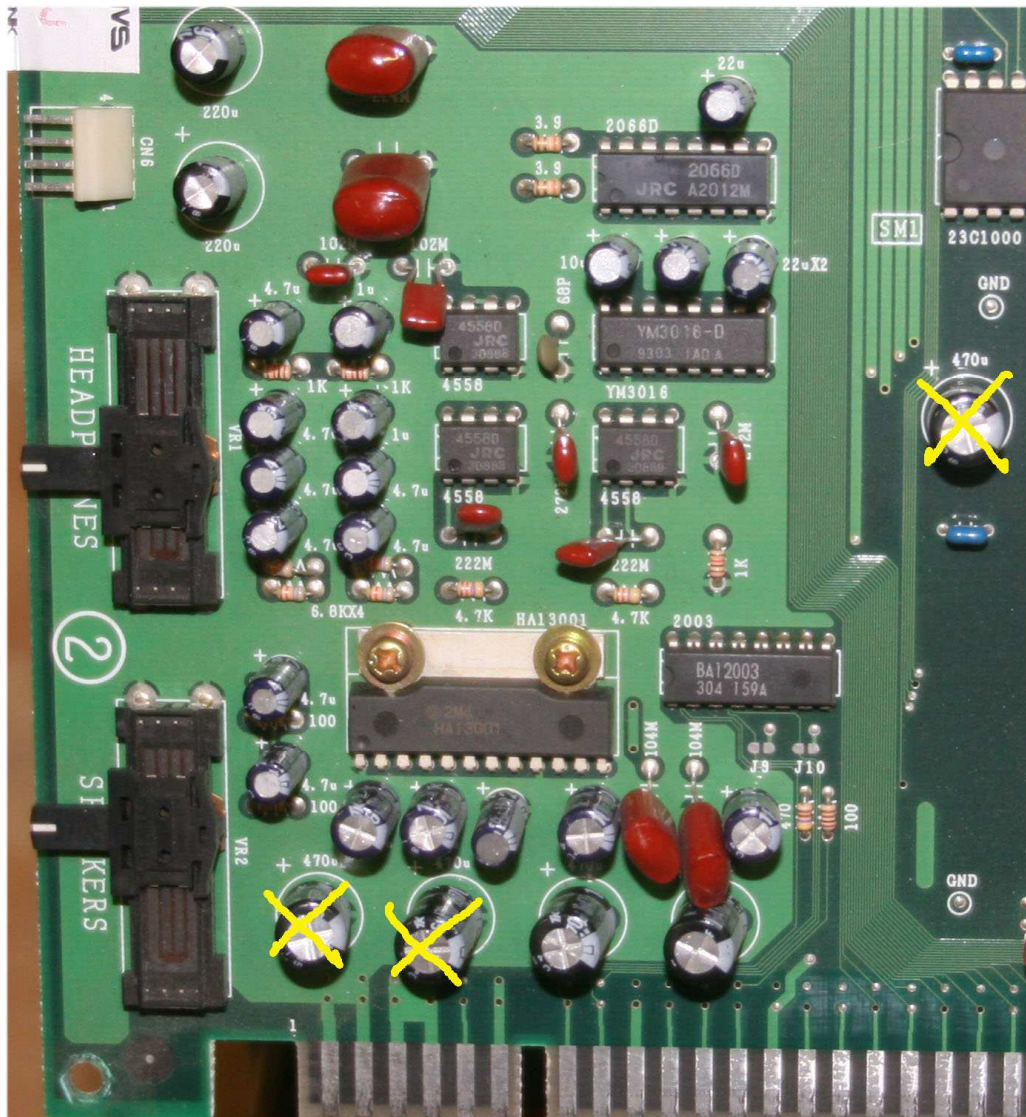
The capacitors that do not get replaced are used for filtering the +5v and +12v power lines.

The 22uf and 100uf caps on this board have connections to the ground plane on top of the board and require extra heat to remove.

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## MV4FT2

The MV4FT2 kit contains 23 capacitors. There are 3 capacitors that do not get replaced. These are marked with a yellow X.



The capacitors that do not get replaced are used for filtering the +5v and +12v power lines.

The 22uf and 100uf caps on this board have connections to the ground plane on top of the board and require extra heat to remove.

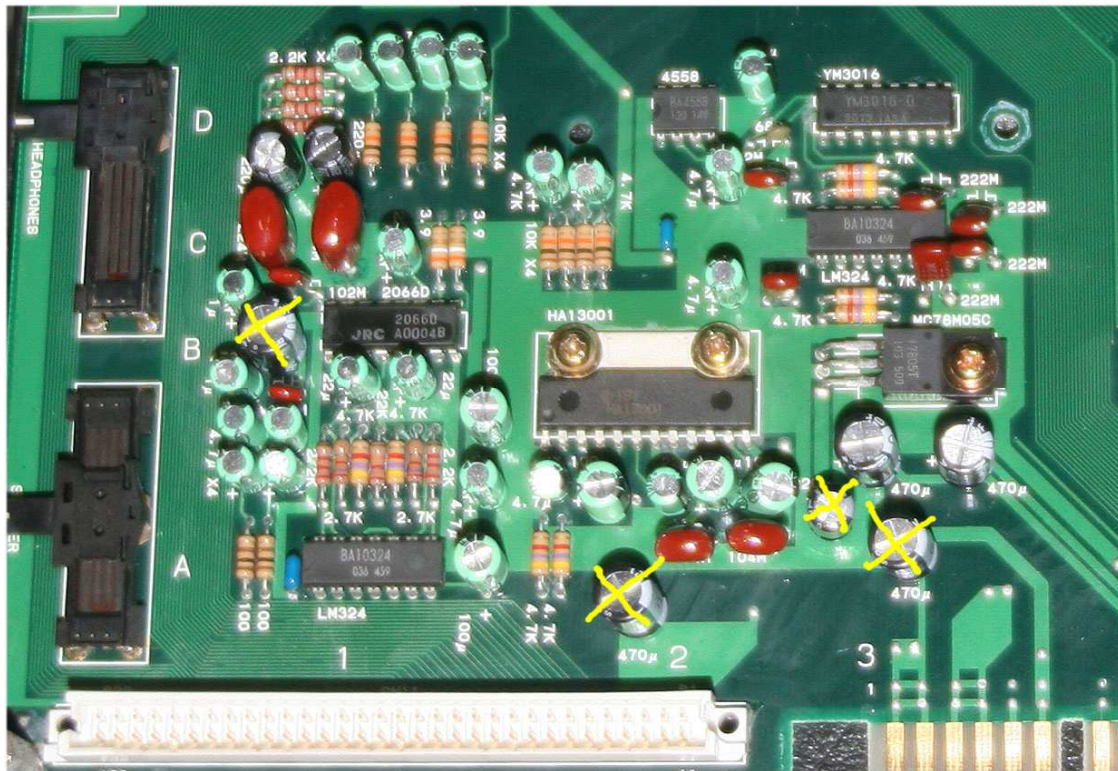
The headphone connections on this board are via the 4 pin connector shown in the picture.

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## MV6

The MV6 kit contains 30 capacitors. There are 4 capacitors that do not get replaced. These are marked with a yellow X.



The capacitors that do not get replaced are used for filtering the +5v and +12v power lines.

The 22uf and 100uf caps on this board have connections to the ground plane on top of the board and require extra heat to remove.

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