

Morph Productions

This blog is written by Toronto music producer and writer Ashton Price. It's largely focused on the ins and outs of music production, studio life and the music business as a whole.

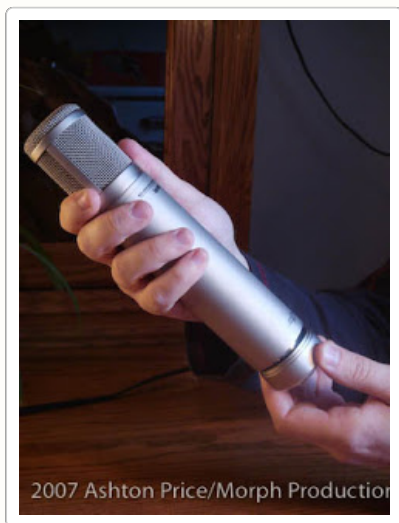
Thursday, March 15, 2012

Apex 460 Transformer Mod

APEX 460 Transformer Mod

Welcome, this page was created as a visual guide to assist those of you who want to mod your Apex 460 tube microphone with some of the great aftermarket parts available. This tutorial in-particular will be dedicated to changing the stock transformer to a Cinemag CM-2480. Please note that I am not a professional in the electronics industry but merely a music producer who wanted to help out others with these mods. Do this mod at your own risk and only if you have experience in basic electronics and soldering!

The first thing to do is unscrew the bottom off the Apex 460's casing and slide the long tube off.




The Apex 460 without it's protective casing.

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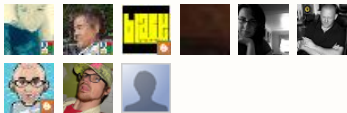
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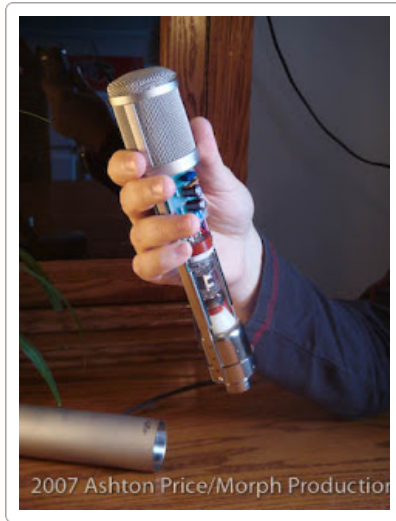
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Wundercounter



At the bottom of the mic on either side are 4 tiny screws. Remove them.



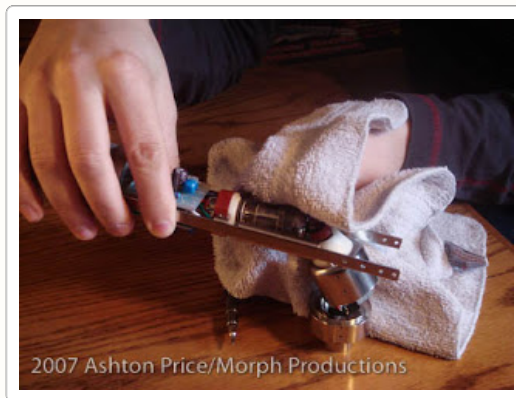
After the screws are removed separate the bottom casing to reveal the transformer.



You'll find the transformer in the top half of the casing. You won't really be able to access it properly until a few more steps.



Remove the tube from it's socket. Try to avoid touching it with your hands.



There's some metal slats that hold in the wires from the circuit board to the transformer and mic output. These slats have to be removed so you can get the slack you need to slide the top of the transformer casing to get at the wires.



The inside slats will pop off with a screwdriver. Remove both on either side.



With the slats removed you will have the slack with the wires required to slide the top casing up to give you room to get at the transformer.



Slide the top of the transformer casing up the wires. Now we have the room needed to get at the transformers wiring.



Exposed transformer!



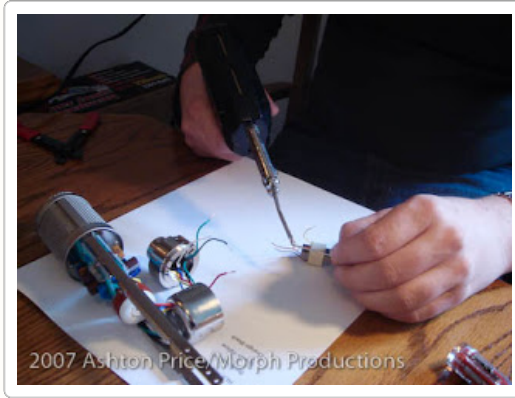
Cut the wires from the transformer at the base of the transformer to give you as much wire as possible to play with. This would be the point of no return so again I will remind you that you're doing this at your own risk!!!



Strip the wires on the mic and the Cinemag transformer to prepare for soldering. You can also cut off some of the excess wire from the Cinemag transformer as you won't require them to be so long.



Tin all the wires you're about to solder



The colour coding for the connections is as follows (this worked for my mic, if for some reason it doesn't for yours I'm not responsible!):

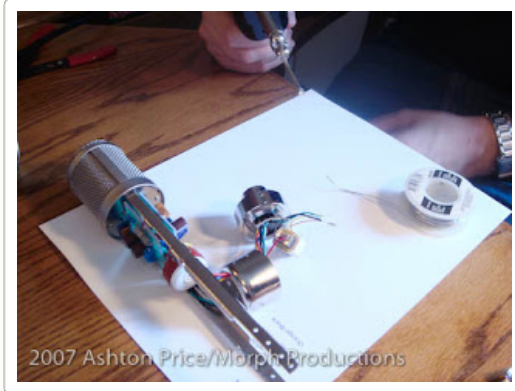
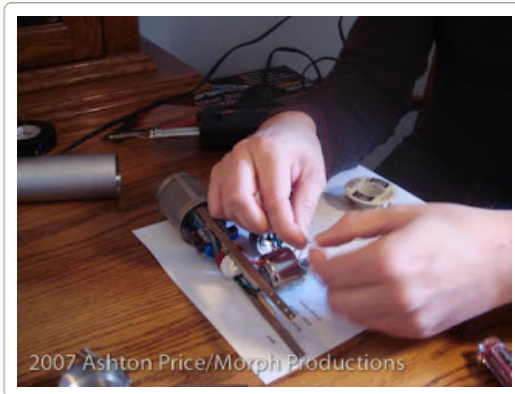
Apex 460 Cinemag CM-2480 Peluso

Red Red

White Brown

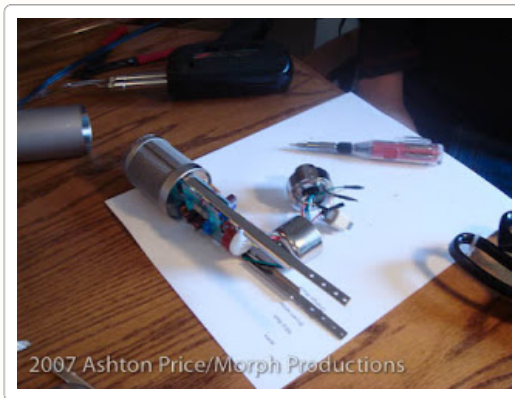
Green Yellow

Black Orange





Tape up the connections and put the mic back together.



Now that you're done you can close the mic back up and start recording. Goodluck!

[Click Here For MP3 Comparisons](#)

Relevant Links:

[Peluso Microphone Lab](#) - Website for Peluso Microphone Lab

[Canadian Audio Distributors](#)-Canadian distributor for Peluso capsules and microphones

[Cinomag](#)- Makers of great transformers. The Apex 460 uses the CM-2480 output transformer. Check out our picture tutorial for that as well

[Morph Productions](#)- My music production/recording studio website (How I make a living).

[Apex 460 Transformer Mod](#) [Apex 460 Capsule Mod](#) [Apex 460 Mod](#) [MP3 Comparisons](#)

[Apex 210 Transformer Mod](#)

If you're looking for a good price on an Apex 460 click below:

If you found this page useful consider donating a few bucks with paypal. Click below:



Catch me on the sites:



Posted by Ashton Price at 12:06 AM



Labels: Apex 460 mods, Apex 460 Transformer Mod, Cinemag transformers, picture tutorial

3 comments:

 **audiojavi** May 17, 2012 at 11:48 AM

Great Help! Thanks you. dont't have to replace anything more? Just the Transformer and the

capsule?

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Anonymous [March 27, 2013 at 3:29 PM](#)

Why not touch the tube? It's only glass!

[Reply](#)



Ashton Price [June 29, 2013 at 1:58 AM](#)

I've heard you're not supposed to touch the tubes with your hand as the oils aren't good for them. Maybe I'm thinking of certain lightbulbs. :P

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