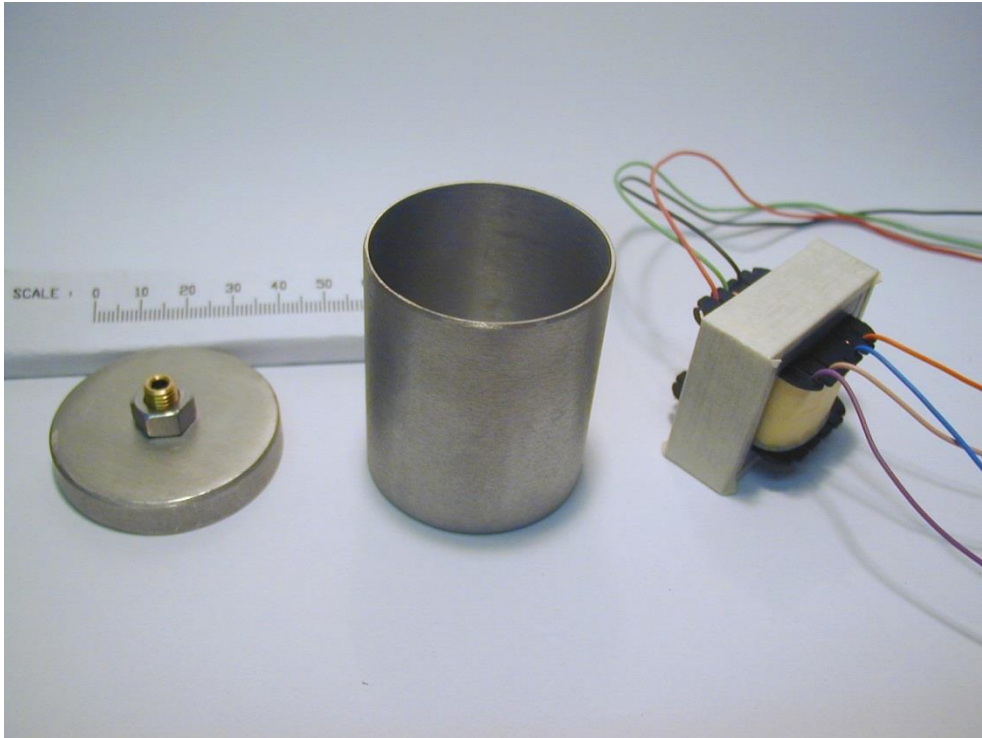


## **AUDIO NOTE™ Moving Coil, Interface, Input Receiver & Line Matching Transformers.**

The most extensive range of low level matching transformers on the market, and off course by far the best as well, these matching transformers represent the very best examples of core quality and winding technology nothing comes close to a transformer coupled interface or MC step-up.

Common to all of these small signal transformers is that they come in a mumetal screening can with a threaded spindle with a nut for mounting.



TRANS-496 assembly

Hi Robert,

The 496 is made to order by our transformer winder, and yours would have been shipped from the factory directly. Where Peter and I sit and where the factory is situated are separated by some miles, and with Peter's trip to hospital your extra components were overlooked.

To configure it you need 2 x 2W tantalum film resistors and 2 x 820pF capacitors. I will arrange for those to be picked, packed and sent to you.

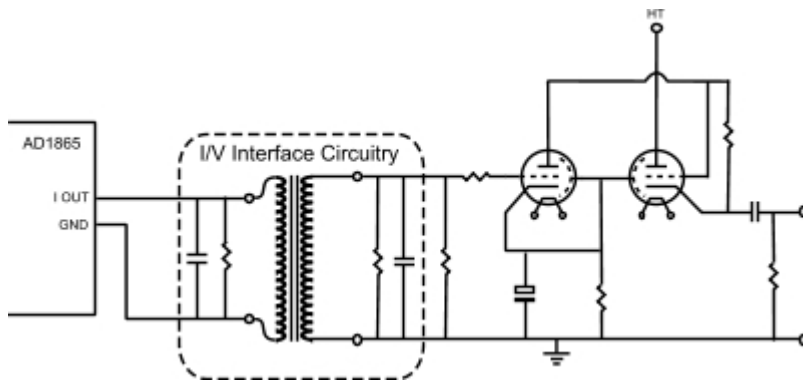
There have never been any instructions to fit the 496 to a kit. It is a straightforward job, and we just furnish the wire colours and that is sufficient usually. If you require more than this I will try to create some detailed diagrams and instructions for you.

Bear in mind that most of the boards for the kits are specific to them and they are manufactured in Canada so I can't easily pick up a unit and look inside. If you do want very specific instructions I will contact Brian and we will fire some words and pictures back and forth between us but that will take a few iterations I expect.

Maybe the following is enough for you though:

The 496 has two windings and an electrostatic screen, the wire colours do vary slightly but they are usually as follows: The primary has RED and BLACK wires and the secondary BLUE and WHITE or BLUE and YELLOW. The electrostatic screen is GREEN.

If you refer to the kit manual you can see one of the diagrams illustrating the I/V transformer and the I/V components in a simple schematic. You are replacing all of this with the 496 and the new resistors and caps. Your line stage is different, however this is not important; the connections I have given are correct for the 5687 + output transformer type. The diagram is merely to illustrate the I/V components and transformer.



The primary needs to be connected to the digital board. The output of the DAC chip needs a 680R plus the 820pf capacitor to load the AD1865 and to provide the source impedance for the transformer. There should be no other components connected in this circuit so remove whatever you have there now. The RED is connected to the DAC current output (I Out) and the BLACK is connected to the ground of the DAC circuitry. The GREEN is connected to the ground (GND in the diagram).

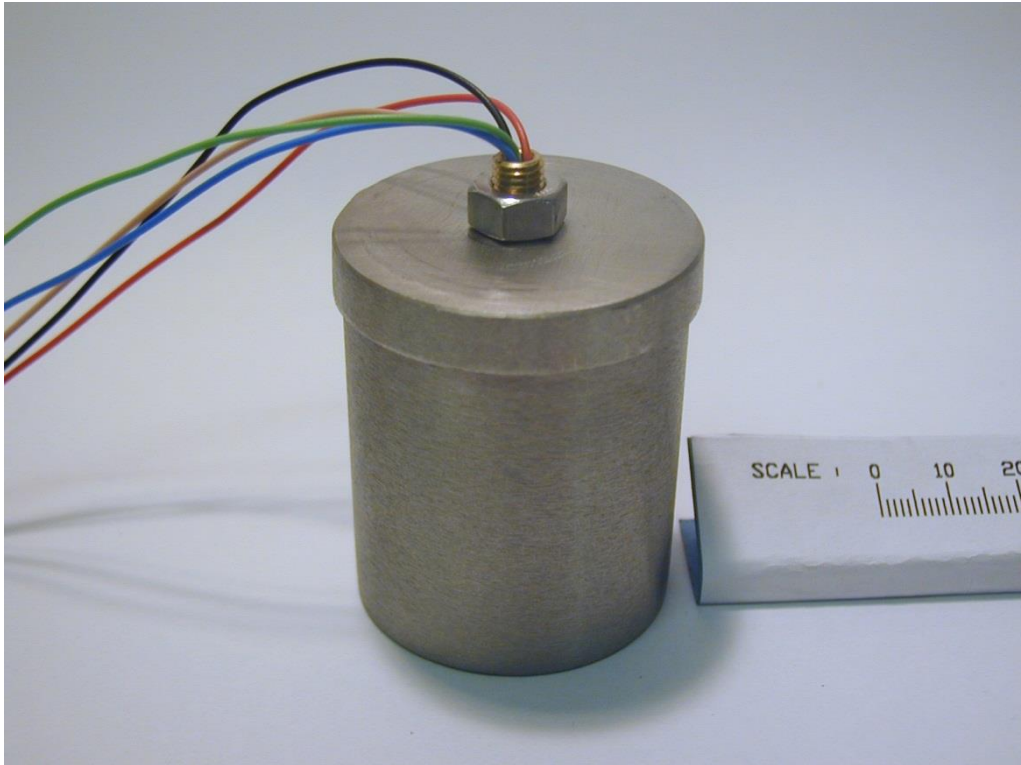
The WHITE or YELLOW and the BLUE go to the analogue/valve board. The BLUE is to the ground and the WHITE or YELLOW is the signal. Across this winding the load required is 680R + 820pF and nothing more ideally. A 1M grid resistor will make little difference of course.

I hope this helps.

Best Regards,  
Andy

Order Code	Type	Colour Code	Primary/Secondary Impedances - Main Uses
TRANS-465	TT7687	Brown	3 & 120hm – 100 KOhm, copper wired MC matching, standard mumetal core
TRANS-470	TT7688	Red	15 & 60Ohm – 100 KOhm, copper wired, MC matching, standard mumetal core
TRANS-460	TT7690	Yellow	3 & 12 Ohm – 100 KOhm, copper wired High Quality, MC matching, standard mumetal core

TRANS-455	TT7691	Green	15 & 60 Ohm – 100 KOhm, center tapped copper wired High Quality, MC-matching, standard mumetal core
TRANS-481			1 or 4 or 9 Ohm – 100 KOhm copper wired MC ultra high quality MC matching, interleaved 0.1mm laminate super mumetal 250 core
TRANS-482			16 or 36 or 64 Ohm – 100 KOhm copper wired MC ultra high quality MC matching, interleaved 0.1mm laminate super mumetal 250 core
TRANS-483			1 or 4 or 9 Ohm – 100 KOhm Audio Note™ silver wired MC ultra high quality MC matching, interleaved 0.1mm laminate super mumetal 250 core
TRANS-484			16 or 36 or 64 Ohm – 100 KOhm Audio Note™ silver wired MC ultra high quality MC matching, interleaved 0.1mm laminate super mumetal 250 core
TRANS-491			Large can MC matching transformer 3 or 12 Ohm copper wired with interleaved super mumetal 250 core
TRANS-492			Large can MC matching transformer 3 or 12 Ohm Audio Note™ silver wired with interleaved super mumetal 250 core
TRANS-496			Large can 1 : 1 or 1 : 2 interface transformer, copper wired, interleaved super mumetal 250 core
TRANS-497			Large can 1 : 1 or 1 : 2 interface transformer, Audio Note™ Silver wired, interleaved super mumetal 250 core
TRANS-498			Large can receiver transformer for real balanced CD input in pre-amplifier, copper wired, interleaved super mumetal 250 core
TRANS-499			Large can receiver transformer for real balanced CD input in pre-amplifier, Audio Note™ silver wired, interleaved super mumetal 250 core



TRANS-496 in mumetal can

I am introducing a whole new range of MC, interface and receiver transformers as can be seen above, these will be used in our new Level 4 and Level 5 products and are of a quality hitherto never seen on the market, the copper wired MC transformers TRANS-480 and TRAN-S-482 are extremely good value for money, and if you have a good MC cartridge these MC transformers will transform your system.

All the moving coil matching transformers are suitable for most moving coil cartridges, the low impedance versions are suitable for cartridges like the Audio Note™ IoI, IoII, IoGold and Io Ltd, plus most better Ortofon, the Goldbug, the Kiseki's and some Koetsu's, the high versions are meant for Goldring Eroicas, most Denons, many Clearaudios, the Van den Hul cartridges, the Lyras, the Ikeda and a few higher output Koetsus.

The line matching transformers can be used in a number of applications, inter-component isolation and matching (as we recommend between CD-Player and pre-amplifiers, to separate earth planes and RF transfer), as pre-amplifier input or output transformers or whatever else you can think of.