Subject: Re: MA Cotter Co Pickup Transfromer
Posted by Wayne Parham on Tue, 22 Apr 2008 05:34:38 GMT
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Phono matching transformers are for moving coil cartridges, which output about 10x less voltage than moving magnet cartridges. Typical MM cartridges output around 5mV, but MC cartridges are closer to 0.5mV.A pickup transformer is used to step up voltage about 10x. Of course, this also provides an impedance transformation. Source impedance of a MC cartridge is much lower than

increase impedance by decreasing the turns ratio of the transformer.Moving coil cartridges are usually pretty sensitive to load impedance, so it is worthwhile to match load to whatever the manufacturer specifies using a shunt resistor. You might even try a few values above and below the manufacturer recommended load to see what sounds best.