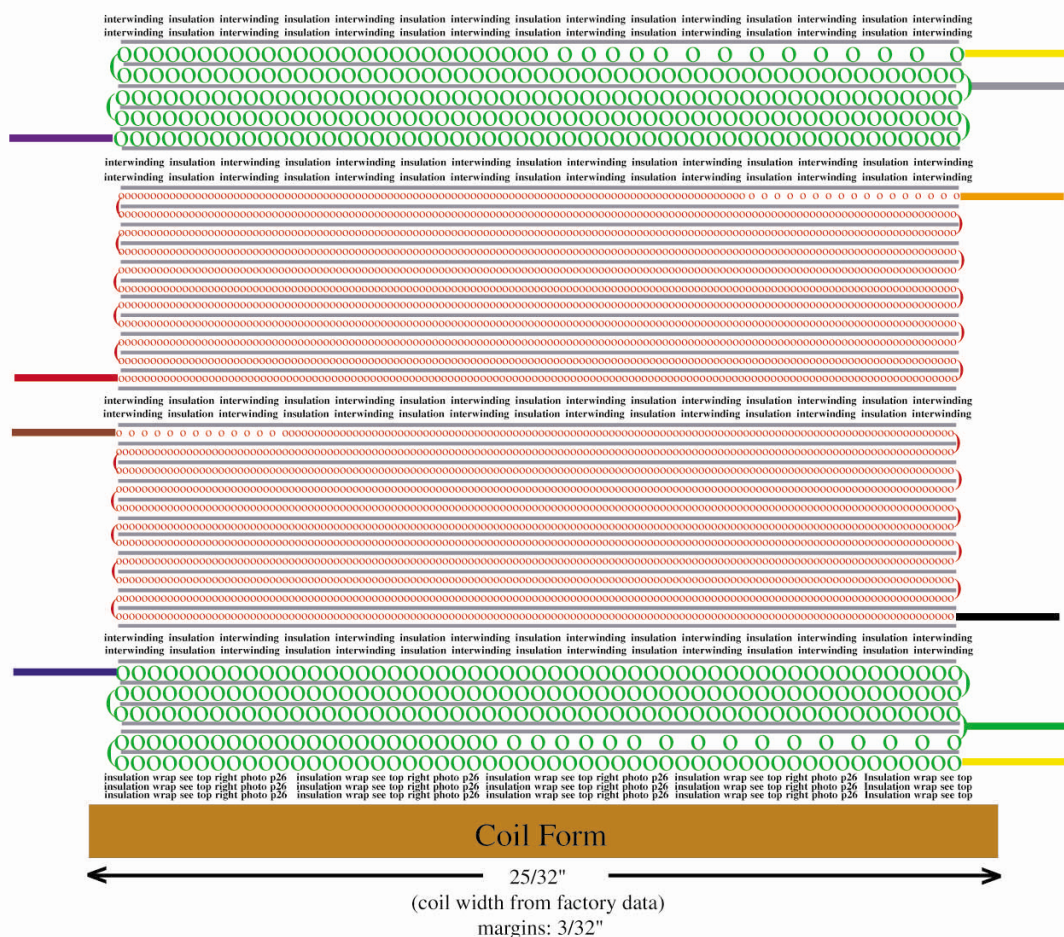


A complete winding diagram

Below is a diagram of a cross section of an anatomically correct HS-52 coil. The primary is in red and the secondary is in green. All of the wire wind counts are correct (data from the dissected model) and all of the non wire wrappings are included as they were placed during manufacture. The solid grey lines represent the thin inter-layer paper wrap (see text). The heavier insulation wraps are the lines with text. Each line refers to one wrap. The parentheses indicate continuations to the next layer when winding. The short solid color lines are the termination leads and they are color correct as compared with the photos and scans earlier in the paper.

Laminations 29M6 21 EI .013" thick (measured) lams as the core material with a 7/8" stack. The manufacturer's winding sheet specifies: EI 21 , 7/8" stack, GA. 29 Grade A-48 WT. .4150

Wire Sizes: 31 SN Secondary, 39 SN Primary



That concludes this paper on re-winding the venerable Triad HS-52. The HS-52's smaller brother, the HS-54 dissection will be covered soon in another paper. Also coming soon is a complete dissection of a Triad HS-56 line transformer. Thanks for purchasing my paper! For more vintage pro-audio products and information please check out my website: vintagewindings.com

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