Subject: Re: Yes, But!!!!
Posted by Wayne Parham on Sat, 12 Mar 2005 02:51:03 GMT
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Coils increase inductance and resistance in series, decrease in parallel.  This assumes there is no magnetic interaction between coils, that they are separated physically and/or out of alignment so their flux in in different axis.  If they combine, this change inductance in an additive or subtractive fashion, depending on their magnetc interaction.  That's why coils on crossovers are sometimes placed in different orientations, to prevent interactons.The formula for series inductance is:LT = L1 + L2 + L3...Likewise, for series resistance:RT = R1 + R2 + R3...Parallel inductance is found by:LT = 1 / ( 1/L1 + 1/L2 + 1/L3...)And parallel resistance by:RT = 1 / ( 1/R1 + 1/R2 + 1/R3...)