Voice Coil Placing Guide

Magnet

Top Plate

Return Plate

Undercut or T shape pole piece (SFG)
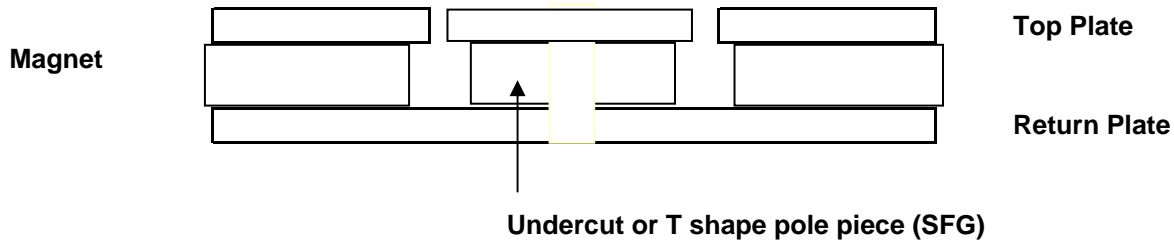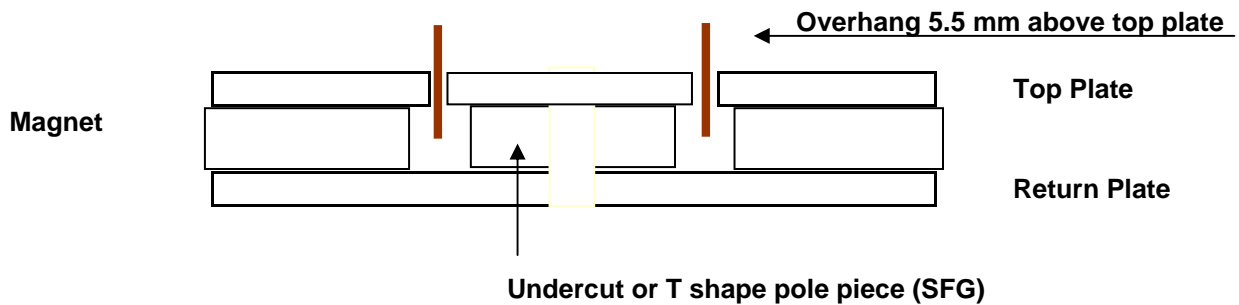
Suppose Top Plate thickness is 9 mm & the voice coil length is 20 mm
then the overhang will be
20 - 9 = 11/2 = 5.5 mm

Voice coil

Mark off 5.5 mm here

20 mm
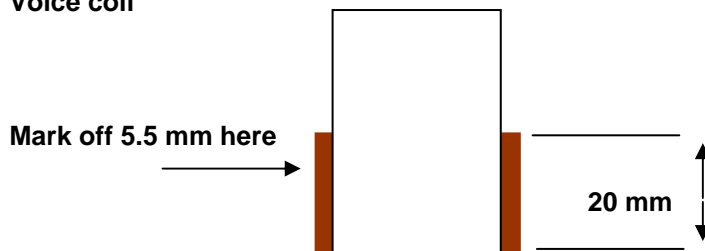
Insert the voice coil to achive this overhang :-

Overhang 5.5 mm above top plate

Top Plate

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If you have assembled the speaker test linearity in this fashion

1)   Connect a 9 v battery in phase & measure the displacement
2)   Reverse the phase of the battery & check the displacement

It should be more or lees equal if all is ok , you will need to make a test rig ,

with lego & a sliding ruler or something

- Suranjan Dasgupta