

Suggestion:

# How to build a thin, protective front cover

(for Visaton DIY LS kit Experience)

You will need:

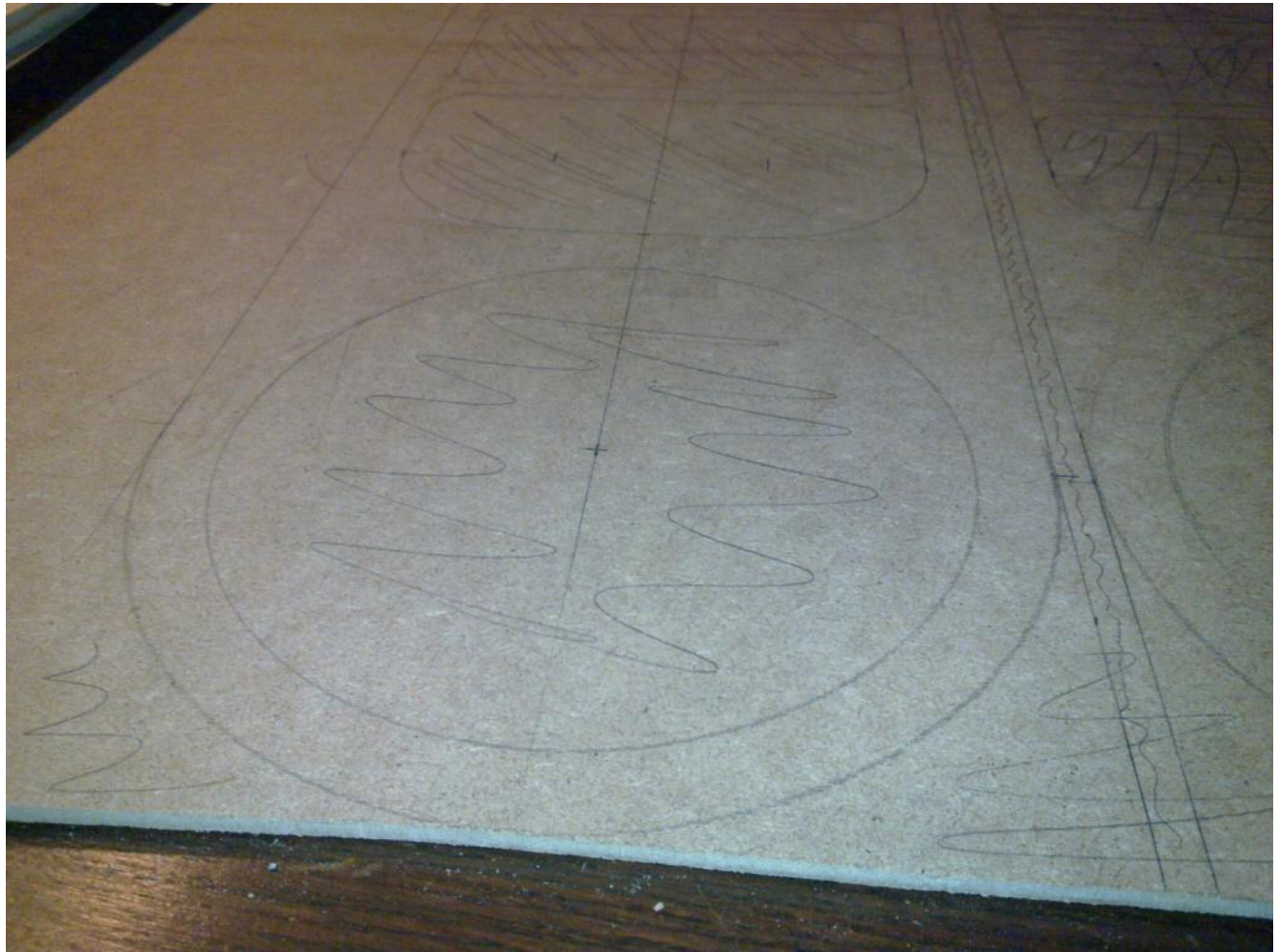
- 6..8mm thin MDF or plywood (e.g. "vaneri" or flooring laminate)
- Acoustically transparent, stretchable fabric of your choice
- Wood glue (to fix the fabric)
- 4..8 strong magnets (this example uses 4 pcs fridge magnets)
- Strong repair silicone adhesive (to fix the magnets)
- Pencil, meter, jig saw, sand paper, needles, knife



- Measure and draw the areas for cutting on the fram material (MDF or Plywood)

- Cut using JigSaw or similar.

- Grind edges smooth, using sand paper



- Carefully fix the prepared fabric with pin needles as in the image
- Use more needles on round areas
- Avoid too large folds
- Make sure to get equal stretching of the fabric in all directions

•When all looks good, pour a 2..3mm thin, continuous seam of "wood glue" (or similar low-viscosity adhesive) between the inner and outer rims (avoid spillage)

•Let the glue settle and cure over night.

•Next page shows the end result.



- The glue has settled nicely and now fixes the "curtain"
- Remove the needles
- Trim the fabric using a sharp knife or razor-blade
- Measure and mark correct locations for the magnets: matching the loudspeaker's metal rims, to give best holding strength
- Attach the magnets on the frame markings by strong but slightly elastic adhesive (i.e. car repair silicone works well)
- Let the magnets' adhesive cure again (e.g. over night)



## The finished front cover.

- No drilling needed on the loudspeaker front
- Thin, minimal disturbance to sound field by frame edges
- Free form shapes, easy to make attractive design fronts

