LOUDSPEAKER RECONE PROCEDURE

1. MATERIALS

Contact glue rubber type, soldering iron, tin, glue, plastic spacer, razor knife, tweezers, masking tape, epoxy bicomponent glue, cloth rags and methyl ethyl ketone (MEK).

If possible, an audio oscillator and also amplifier would be useful.

Supplied material: moving parts, gaskets, dust cap, plastic spacer and latex (white color). Check that moving parts have not been damaged during transport.

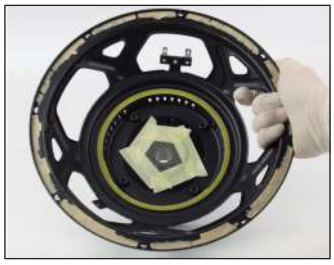
2. PREPARATION

Unsolder the old voice coil lead wires from loudspeaker terminals.

Using razor knife, cut the upper part of membrane and remove the gaskets.

Using razor knife, cut the lower part of membrane and remove it.

Using razor knife, cut the spider and remove the rest of the components of moving part.



Protect the gap using masking tape to avoid particles getting inside the gap.

Using MEK and razor knife, clean the upper surface of the basket removing rests of glue and surround.

Using MEK and razor knife, clean the bottom surface of the basket removing rests of glue and spider.

Fold a piece of masking tape lengthwise around a piece of cardboard (70 mm x 25 mm x 1 mm), with adhesive side exposed and insert it in the air gap and rotate. Repeat this until tape remains clean when withdrawn.

LOUDSPEAKER RECONE PROCEDURE

3. INSTALLATION

Apply a bead of contact glue[1] on frame surface where surround will mount.

Apply a bead of contact glue[1] on frame surface where spider or spider ring will mount.

Insert the plastic spacer into the new voice coil assembly. Slide spacer tube over the pole piece and down into gap, making sure tinsel leads on assembly are aligned properly with terminals on frame.

Apply a bead of contact glue on gasket area. Wait for 5 minutes.

Place gaskets on frame in proper position. Rotate down the device and allow glue 7-8 hours to dry. Use tweezers to guide tinsel leads through solder lugs. Allow enough slack for full cone excursion, but do not allow leads to touch. Solder leads to terminals and trim excess.

To coat fabric surround (if it is not already treated), use the water base plasticizer supplied (white color) and apply on it. Allow 3-4 hours to dry.

Once completely dry, remove plastic spacer and proceed to fix the dust cap. Apply a bead of glue[1] in the flange of the dust cap.

If the dust cap has no flange, apply a bead of glue on the junction on the dust cap and cone. Allow at least 24 hours to dry.

4. VERIFICATION

Check the loudspeaker polarity using a battery by connecting the positive terminal of the battery to the positive one of the loudpeaker. Do the same with negative terminals. Moving part should move upwards.

[1] In case of high power models (>**150 W**) we strongly recommend to use **epoxi bicomponent adhesive** to glue both spider and dust cup.