



Repair instructions

You need the following:

- an original SA Diaphragm Replacement Kit
- a ring wrench, 8mm
- an Allen wrench, 5/32" (HW4)
- a slotted screwdriver (non-ferro!), size 1 x 6mm
- nail varnish

Removing the diaphragm:

1. Remove the four Allen head bolts (5) of the mounting plate (4) at the front of the driver and keep them on a sufficient distance from the drivers magnets.
2. Remove the mounting plate.
3. Remove the two brass bolts and washers (3) that keep the diaphragm (1) in place.
4. Slide the diaphragm (1) in the direction of the terminal side (3), out of the magnetic assembly (2). Take care that the sheet of diaphragm damping material is removed too.
5. Clean the driver from residues of the diaphragm damping material. Also clean the driver from any metal particles. Verify that the damping material in the back of the driver has been evenly distributed.

Replacing the diaphragm:

1. Unpack the new diaphragm with damping sheet and loading foil.
2. From the terminal side (3), slide the sandwich of diaphragm (1), damping sheet and loading foil carefully into the magnetic assembly (2). The loading foil facing the magnet structure (2) and the diaphragm facing the front of the driver. Take care that the loading foil does not move with respect to the diaphragm and be sure that the diaphragm damping sheet remains evenly distributed over the entire diaphragm surface.
3. Position the diaphragm (1) with the mounting holes above the terminals (3).
4. Remove the loading foil in the direction of the terminals while keeping the diaphragm and damping sheet in place.
5. Secure the diaphragm with the two Brass bolts and washers (3) to the terminals. Make sure the diaphragm is well centered.
6. Apply a drop of nail varnish to the Brass bolt washer assemblies (3) to minimize the risk from accidental loosening by vibrations.
7. Mount the mounting plate and secure it with the four Allen head bolts, washers and nuts.

Important notes:

The replacement of the SA Ribbon Compact Driver diaphragm always has to take place in a clean and dry environment, free of any metal particles and dust.

Small metal parts attracted by the magnets can easily destroy the diaphragm!

