Installation Instructions for Permanent Magnet Motor Armature Replacement.

**Warning:** Please use care when inserting armature assembly into housing assembly, the magnet is powerful enough to attract small fasteners or loose particles which could cause damage to the motor after the new parts are installed.
Permanent Magnet Motor
Armature Replacement

Step 1 - Use an 8-1/2" X 11" sheet of plain paper folded in half. Do not touch the commutator with hands.
Step 2 - Wrap folded paper around commutator as shown.

Step 3 - Holding armature assy. and paper as shown, insert into magnet and housing assy. notched end of frame. Hold armature firmly as magnets will pull it in.
Step 4 - Guide armature into place with both hands as shown.

Step 5 - Assembly shown with armature in place.
**Step 6** - Place gearbox upright as shown on small piece of pipe for stability.

**Step 7** - With paper around commutator, lower assembly onto gearbox as shown.
Step 8 – Once assembly is in place on the gearbox, turn the armature and push down to engage it with the gearbox using the paper to keep your hands off the commutator.

Step 9 – Completed assembly without endplate.