

„Flatpup-style“ guitar pickup – do-it-yourself information

About

Original Flatpup is *the* brand of flat guitar pickups. The following instructions relate to three-string models.

Disclaimer

This information shall help to wind a „flatpup-style“ pickup by hand. Be aware that fine work skills are necessary. And patience. Anger management too. There is no guarantee that the information is sufficient for you to make a working pickup that way. See it as Zen practice :-)



Material

- 1 pcs. mild steel: 40 x 40mm (hint: recycle a soup can as long as it is magnetic)
- 3 pcs. rare earth (neodym) magnets: diameter 8mm x 1mm thickness
- Lacquered Copper wire, Gauge: 0.063-0.08mm, 200-350m depending on the windings
- Connection cable, 30cm
- 2 small rubber bands as bobbin edges
- Additional material: transparent adhesive tape, soldering tin, superglue
- Tools: soldering iron, pair of scissors, wire stripper, sand paper

Preparing the bobbin

- Sand the sharp edges of the tin sheet (hint: Otherwise the coils could shortcut!)
- Strip the shielded cable sheath approx 26mm / 1", Strip the inner wire, 6-8mm
- Glue rubber bands to the left and to the right edge of the tin
- Align three magnets in the center of the tin core
- Wrap the entire core with transparent tape (hint: add another layer to protect the edges)
- Glue the stripped end of the cable to the backside

Winding the pickup

- Solder the copper enamel wire to the inner wire of the cable
- Wind one coil by hand (hint: To speed up, put it on a plate and rotate it by using a cordless drill)
- When done on one side, tape protect it and pass the wire to the other side
- Wind the second coil in opposite direction (hint: by flipping the plate over and maintaining the direction of the first coil). Put roughly the same number of turns.
- Solder the wire to the twisted shielding of the cable.
- Tape protect the second coil.

Checks

- Resistance of pickup (depends on the wire thickness and length)
- Isolation pickup to iron core (*high resistance! The tape is pinched with a needle*)

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www.original-flatpup.com and www.sixtus-pickups.com