



## Pickup Specification

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All information is general and based upon early versions unless otherwise noted, there are exceptions , especially with Fender Pickups. HB specs are per coil.

### LEGEND:

**Pickup Name**, coil wire guage, coil wire insulation(PE=plain enamel, F= formivar, P=poly/poly-nylon) number of turns (per coil), average resistance DC, Magnet type/grade (A=alnico, C=ceramic) *special interest notes are in italics*

### Gibson Pickups

**Firebird** 42PE 4250 CCW 3.5 A2

**Mini Bucker** 42P 4250 CCW 3.35 A5

**PAF** 42PE 5000 CCW 4.0 A2 or 3

**T-top** 42PE 5000 CCW 4.0 A5

**Dirty Finger** 44PE 8000 CCW 8k both coils screw poles, 3 ceramic bars

**P-90** 42PE 10,000 CCW 8.0 A3 or A5

**Alnico aka "staple"** 42PE 10,000 CCW 8.0 A3 or A5

**Bar Pickup, aka "Charlie Christian"** 38-41PE 2.5-3.5k carbon steel

**Melody Maker** 42 PE 10,000 CCW 7.3 A5 "rail"

*Early versions of most Gibson pickups were wound the same for both positions, slug side north where applicable. The HB/P-90 Bar magnets are also the Melody Maker "rail" magnets. Nylon bobbins from Firebird HB's were also used in Johnny Smith, LP Deluxe Mini buckers, Epiphone, and some Silvertone.*

## Fender Pickups

### Stratocaster

1954 42 F 7956 CW 5.76k A5 North

1955 42 F7844 CW 5.89k A5 North

1956 42 F 8012 CW 5.98k A5 North

1957 42 F 8105 CW 6.02k A5 North

1958 42 F 8350 CW 6.20k A5 South

1959 42 F 7925 CW 5.95k A5 South

1960 42 F 8293 CW 6.33k A5 South

1961 42 F 8119 CW 6.19k A5 South

1962 42 F 8220 CW 6.22k A5 South

1963 42 F 8319 CW 6.37k A5 South

1964 42 F/PE 7980 CW 6.25k A5 South

*Hand wound, same all positions, Black Bobbins, Staggered Polepieces, Wax potted. January 4, 1965, CBS bought , Fender Musical Instruments.*

1965 42 PE 7626 CW 5.80k A5 South

1966 42 PE 7630 CW 5.76k A5 South

1967 42 PE` 7656 CW 5.88k A5 South

*Machine wound, Grey Bobbins(bottom plate light grey '64/65-'68 then dark grey until about '80), Flat or Staggered, Laquer potted*

*The same strat "bobbins were used for Duosonic and Mustang pickups.*

**\*\*\*SEE "PARTS" section for polepiece stagger information**

### Telecaster Bridge

50-51 43 PE 8000 CCW 8.0 A5 North

51-64 42 PE 9200 CCW 7.5 A5 South

60's/70's 42 PE/Poly 7800 CCW 6.4 A5 South

*Zinc plated steel baseplate until early'51Then copper plated steel (.05" thick)*

### Telecaster Neck

**50/60 43 PE 8000 CCW 7.7 A5 South**

**60/70 43 PE 7800 CCW 6.9 A5 South**

*Fiber bobbin colors follows with Strat pickups.*

*53 on both pickups South polarity then RW/RP  
in late 70's*

**Telecaster Humbucker**

**70's 42 P 5000 CW 5.3 Cunife threaded polepieces (three exposed per coil)**

**JazzMaster 42 F 8500 CCW 6.3 A5 South**

**Mustang 42 F 7600 CCW 5.5 A5 South**

**DuoSonic 42 F 8350 CCW 5.9 A5 South (.625"x.197")**

**Jaguar 42 F 8550 CCW 6.5 A5 South**

*JazzMaster, Jaguar, Mustang and Dousonic, neck pickups were RW/RP from the beginning.*

*Forbon colors and wire insulation follows with strat pickups. Jaguar bobbins have no bottom  
"flange".*

**Music Master Bass 42 F 7600 CCW 5.75 A5 South**

**Rickenbacker Lapsteel: 38 PE 5500 CCW A "Horseshoe" South**

**Rickenbacker Toaster top: (and others) in '50's heavier guaged wire to about 4-5k, then 60's  
to about 7k w/ 42, then later 8k and above.. (I've been "told" it's only ever been wound w/  
43awg..)**

**DeArmond Single: 44 7750 CW 8-9k A5 poles**

*inductance 3.35 henries*

**DeArmond 2k: 43P 8000 CW 7.5k A5 bars**

*steel poles and magnets in a P-90 arrangement, steel baseplate, inductance 6 henries*

**Gretsch Filtertrons: 43P, 2000 CW 2k A5 coils generally pretty loosly wound**

**Hoffner Bass: 44F CCW total 8.8k both coils, usually uneven with one at 3.8k or so... A5  
bar, screw side S**

## PARTS

**HB adjustable polepieces #5-40 filluster head screws .75" long**

**HB slugs .187x .48**

**HB Magnets 2.4x .492x .120" magnetized across width (also the bar "polepiece" in melody maker p/u)**

**PAF Magnet 2.5"long '56-61 in A2/3/4/5 '61 went to aprox 1/8" shorter in A5 only.**

**PAF coil wire '56-63 PE, then Poly**

**PAF coils often "off" between the pair (e.g. 1coil 3.5k, 2nd coil 4.5k total=8k) Early PAF's (prior to '63) generally in the 8-10k range, after typically 7.75k**

**HB metal Spacer (screw keeper) 2.219x .19x .125**

**Strat/ Tele polepieces .187 dia x .656 long**

**Strat polepiece staggers:(keep in mind even modern manufacturing tolerances are normally +- .005")**

**up to '56: E .690 A .690 D .719 G .690 B .636 E .656**

**'56-aprox '69: E .690 A .690 D .719 G .719 B .636 E .656**

**'70's on, flat .656**

**Fender Lead wires**

**up to aprox. '68 waxed cotton insulated 22awg (bl/wht) then plastic coated**

**OLD strat/ tele/ other polepieces .197 dia**

**Telecaster Bridge pickup baseplate mounting holes: tapped for #6-32**

**Formvar wire insulation is somewhat heavier than either the plain enamel or poly creating a marginally larger coil for a given wire guage and number of turns.**