

Instrument Parts

Many of the following materials can be found at [StewMac](#). Many of the products, supplies and accessories can be found on the Lutherie Academy Storefront page on [Amazon](#).

Mahogany centerblock 50cm long (19 $\frac{3}{4}$ inches) x 9.5cm wide (3 $\frac{3}{4}$ inches) x 4cm thick (1 $\frac{5}{8}$ inches)

Maple sides 90cm long (35.5 inches) x 35mm wide (1 $\frac{3}{8}$ inches) x 2mm thick (.08 inches)

Maple top 35cm wide (14 inches) x 48cm long (19 inches); 2 halves 17.75cm (7 inches) 6.8mm thick ($\frac{3}{32}$)

Maple back 35cm wide (14 inches) x 48cm long (19 inches); 2 halves 17.75cm (7 inches) 6.8mm thick ($\frac{3}{32}$)

Fretboard stock 58cm long (22 $\frac{7}{8}$ inches) x 7cm wide (2 $\frac{3}{4}$ inches) x 7mm thick ($\frac{1}{4}$ inches)

Neck blank 80 cm long (31.5 inches) x 7cm wide (2.75 inches) x 7 cm thick (2.75 inches)

Double action truss rod 46cm long (18 $\frac{1}{8}$ inches) x 10mm tall ($\frac{3}{8}$ inch) x 6.35mm wide ($\frac{1}{4}$ inch)

Kerfing

Headstock veneer 20cm long(7.87 inches) X 12cm wide (4 $\frac{3}{4}$ inches) x 2.5mm thick ($\frac{3}{32}$ inches)

Celluloid, plastic or wood binding

Mother of pearl for inlay

Fret markers Wood, plastic or pearl

Medium fretwire

Tone, volume potentiometers [CTS mini pot 500K linear](#) or [500K audio taper](#)

Electrosocket

Output jack Switchcraft mono

3 way Toggle switch Right angle (Switchcraft)

Soldering iron or soldering station 60W

Wire Cloth style and braided shielded

Solder

Tune-o-matic bridge Gotoh

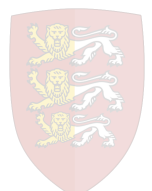
Pickups with mounting rings

JR35 Signature Humbucker set

Tailpiece

Tuners

Bone nut blank



Other Materials

Many of the following products can be found on the Lutherie Academy Storefront page on [Amazon](#).

- Safety gear
- Bessy pipe clamps
- Jointer
- Card scraper
- Burnishing tool
- Ruler/tape measure
- Titebond glue
- Spring clamps
- Bending iron or other method of bending the sides (heat gun, bender etc)
- Masking tape
- MDF and hardware for making the mold
- Spindle sander
- Water spray bottle
- Band saw
- Small square
- Disc sander
- Tablesaw
- Planer
- Handplane
- Calipers
- 1 long bar clamp
- Amana flush trim bit Part #46304 Or equivalent flush trim bit
- CA glue and accelerator
- Laminate trimmer with flush trim bit, straight cut bit
- Forstner bits
- Drill press
- Router (2 ¼ HP) Bosch 1617EVS
- Flush trim bits for neck pocket and pickup cavities. (pickup cavity bit is ⅜ dia by ½ inch cutting height with bearing on top – towards router base (FROM STEW MAC)
- Neck pocket and pickup cavities templates – shop made or purchased
- Spatula
- Razor knife or x-acto blade
- Rabbet bit and bearings
- Shellac
- Acetone
- Sandpaper 80 – 320 also 1200 to 200 for finish sanding
- Sanding pad or block
- Buffing machine
- Buffing compound
- Palm sander
- Truss rod
- ⅜ Bull nose router bit
- 24.75 inch fret slotting template
- Dead blow hammer
- Bessey bar clamps
- Protractor
- Fretwiring radiusing jig
- Fret cutters
- Fret tang nippers



- Flat file with safe edge
- Coarse rasp
- Fine rasp
- Mohawk instrument lacquer
- Transtint dyes for color
- Masking tape – several types – thin line etc.
- Spray gun – Iawata LPH 80
- Notched straightedge
- Fret leveling bar
- Fret crowning file
- Fret end file
- Large reamer for reaming electronic holes up to 12mm
- String spacing ruler
- Nut files
- String height gauge – StewMac

