Knoxville DIY Guitar Kit

Thank you for purchasing this DIY Guitar Kit. The following instructions specify how to assemble your guitar. There are a variety of finishes that can be applied to the guitar, and it is up to you to choose the style that best suits you. Information on how to apply the finishes are readily available on the internet. We recommend a little research to find your favoured finishing method.

All of our headstocks are provided 'uncut'. This gives you the opportunity to be creative and design your own, or copy one of the popular styles. For this, we recommend marking the shape out with a pencil, cutting the design with a Coping Saw or Jigsaw, and then finishing off with sandpaper. We have not supplied full instructions for this, as the process will depend on your individual design. Again, an internet search engine search will provide far more relevant instructions than we would be able to provide.

The guitar will need to be fully 'set-up' after construction. This is the process to make the guitar fully playable. Numerous video guides can be found online, and we recommend searching on popular video streaming sites. Alternatively, the guitar can be professionally set up by your local professional Luthier.

Before you start you will need to make sure you have the following tools to hand:

- Soldering Iron
- Cross Head Screwdriver – Medium Head
- Cross Head Screwdriver – Small Head
- Battery Powered Screwdriver (not essential but advised)
- Tape Measure or Ruler

Enjoy building your Guitar!

Contents

Parts

1. Guitar Body x 1
2. Guitar Neck x 1
3. Control Panel x 1
4. Tailpiece x 1
5. Jack Plate x 1
6. Machine Heads x 6
7. Neck Plate x 1
8. Strap Buttons x 2
9. Solder 1 Strip
10. Ferrules x 6
11. Washers x 6
12. String trees x 2
13. Strings x 6

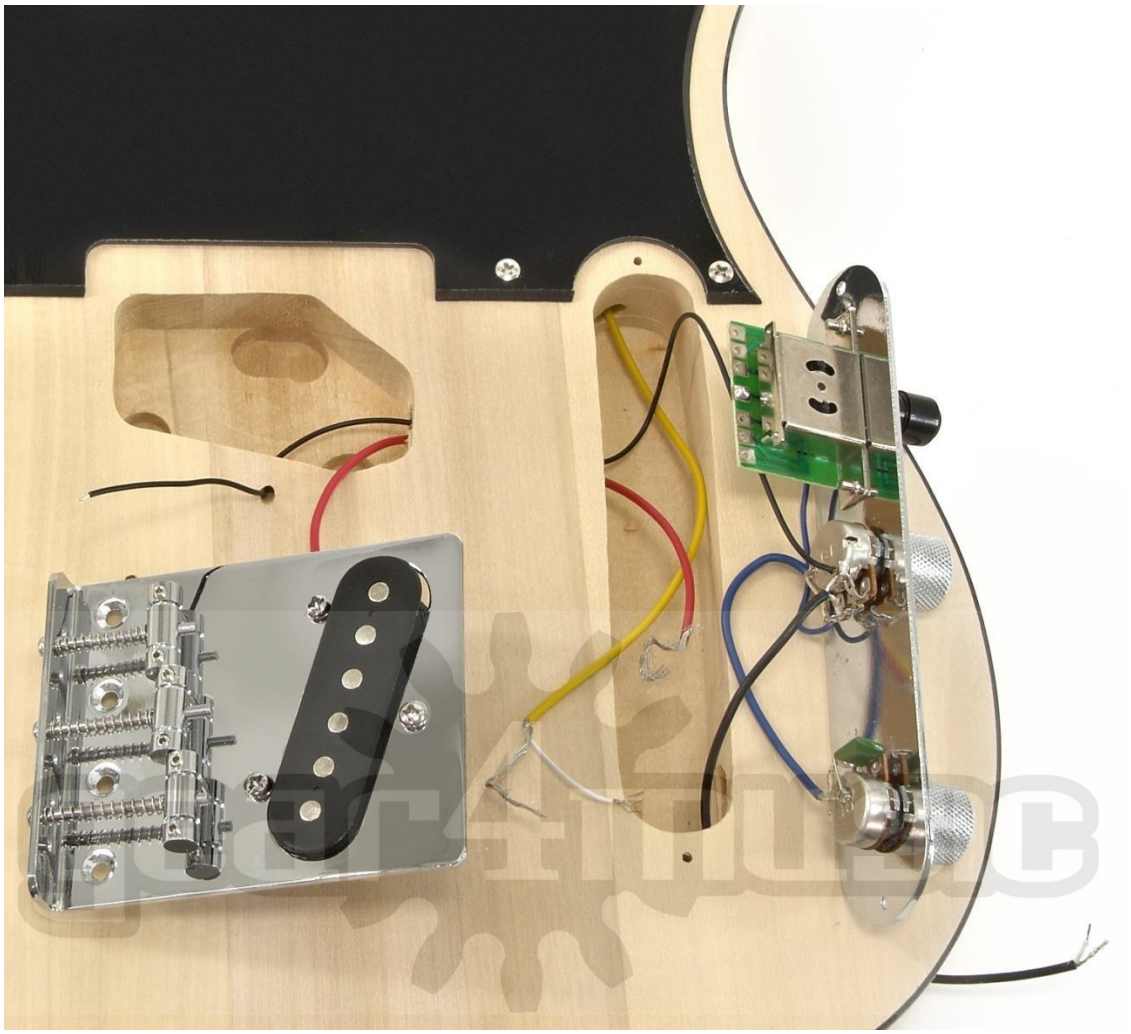
Screws

5mm x 6
7mm x 4
8mm x 2
25mm x 2
26mm x 4
45mm x 4

Additional

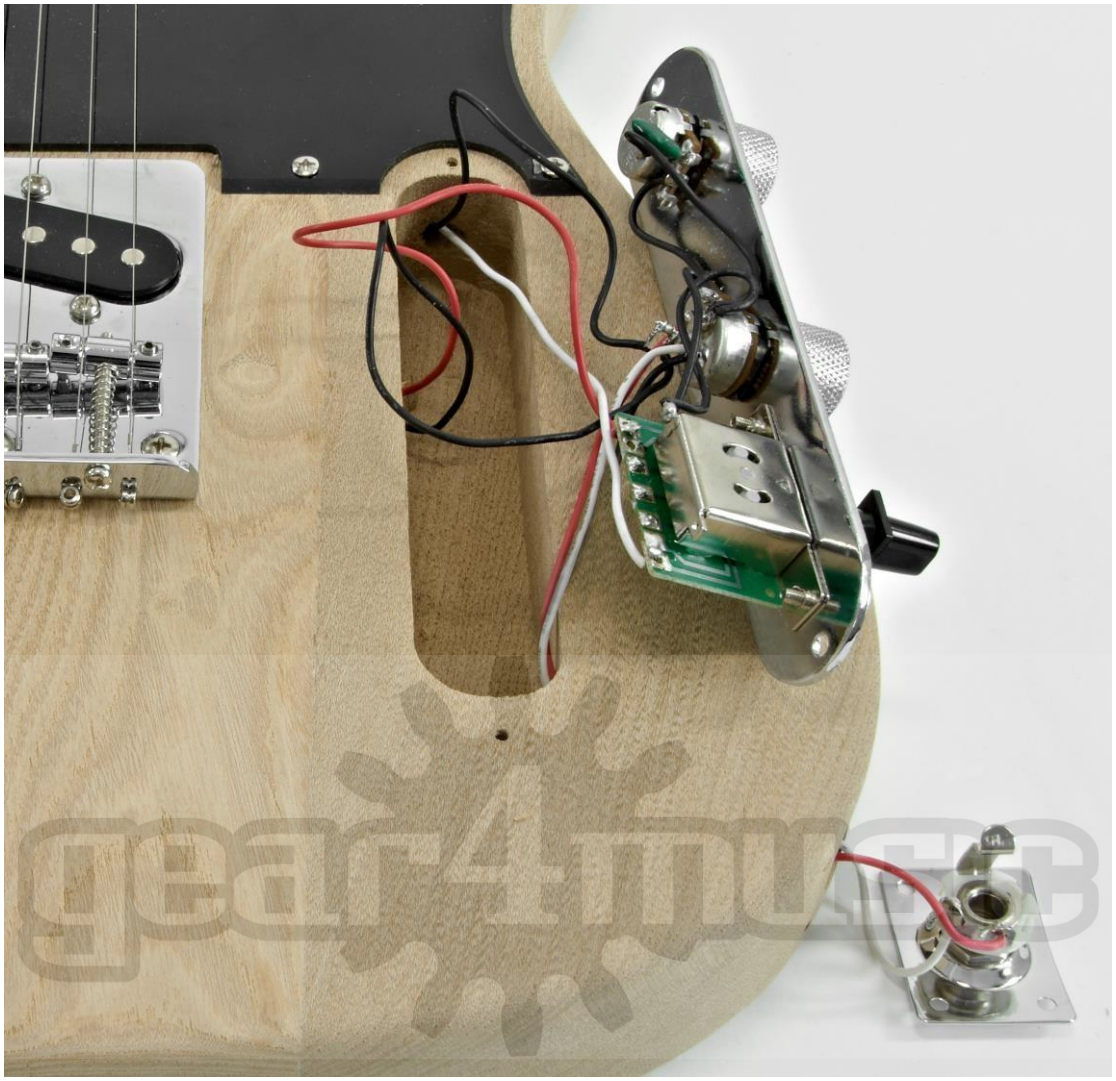
Allen Key x 1
Jack Cable x 1

Step 1



Feed all of the wires from the Control Panel (3) and the Tailpiece (4) through the body as pictured above. (Wire colours may vary from pictures)

Step 2



Solder the earth wire (thin black from the back of the tone pot) to the back of the Tailpiece (4) using the solder provided (9), and place the Tailpiece (4) in position. Solder the Jack Plate (5) to the red and white wires coming from the tone pot. The white wire should connect to top of the jack input, and the black wire to the bottom arm. Take the black and red wires from the bridge pickup. The black wire should be soldered to the outer two holes on the green PCB on the Control Panel (3). The red wire should be soldered to the point on the edge of the selector switch casing. This should be repeated on the opposite side of the selector switch with the white and black wires from the neck pickup (the white replacing the red).

A wiring diagram can be found in the Appendix of this document.

Step 3

Screw the Tailpiece (4) into place using the 4 x 26mm screws, matching them with the predrilled pilot holes; screw the Control Panel (3) into place using the 2 x 25mm and screw the Jack Plate (5) using the 4 x 7mm screws.

Step 4

Insert the machine heads (6) in to the holes in the Headstock (2). Place the washer (11) on top, and then screw in the Ferrules (10). The neck should then be turned over and six of the 7mm screws should be screwed in to the pilot holes securing the machine heads in place.

Step 5

Put the Body (1) and Neck (2) together. Place the Neck Plate (7) with the rubber Pad on the back of the Body (1) in line with the pilot holes, and attach with the 4 x 45mm screws.

Step 6

Attach the Strap Buttons (8) with their rubber washers to the pilot holes on the base and arm of the body (1) using the 2 x 25mm screws.

Step 7

String the guitar and then attach the String Trees (12) to the Headstock (2) using the 8mm screws and the small spacers. The larger spacer should be placed between the D and G strings, and the smaller spacer between the B and E strings.

Congratulations, you have now completed the construction of your guitar.

Appendix

Knoxville Wiring Diagram

Please Note – wire colour may differ from diagram