

# 12 String 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
- 3. Neck x 1
- 4. Tailpiece x 1
- 5. Control Panel x  
1
- 6. Jack Plate x 1
- 7. Neck Plate x 1
- 8. Strap Buttons x  
2
- 9. Sting Ferrules x  
12
- 10. Ferrules x 12
- 11. Washers x 12
- 12. String tree x 1
- 13. Strings x 12
- 14. Machine Heads  
x 12

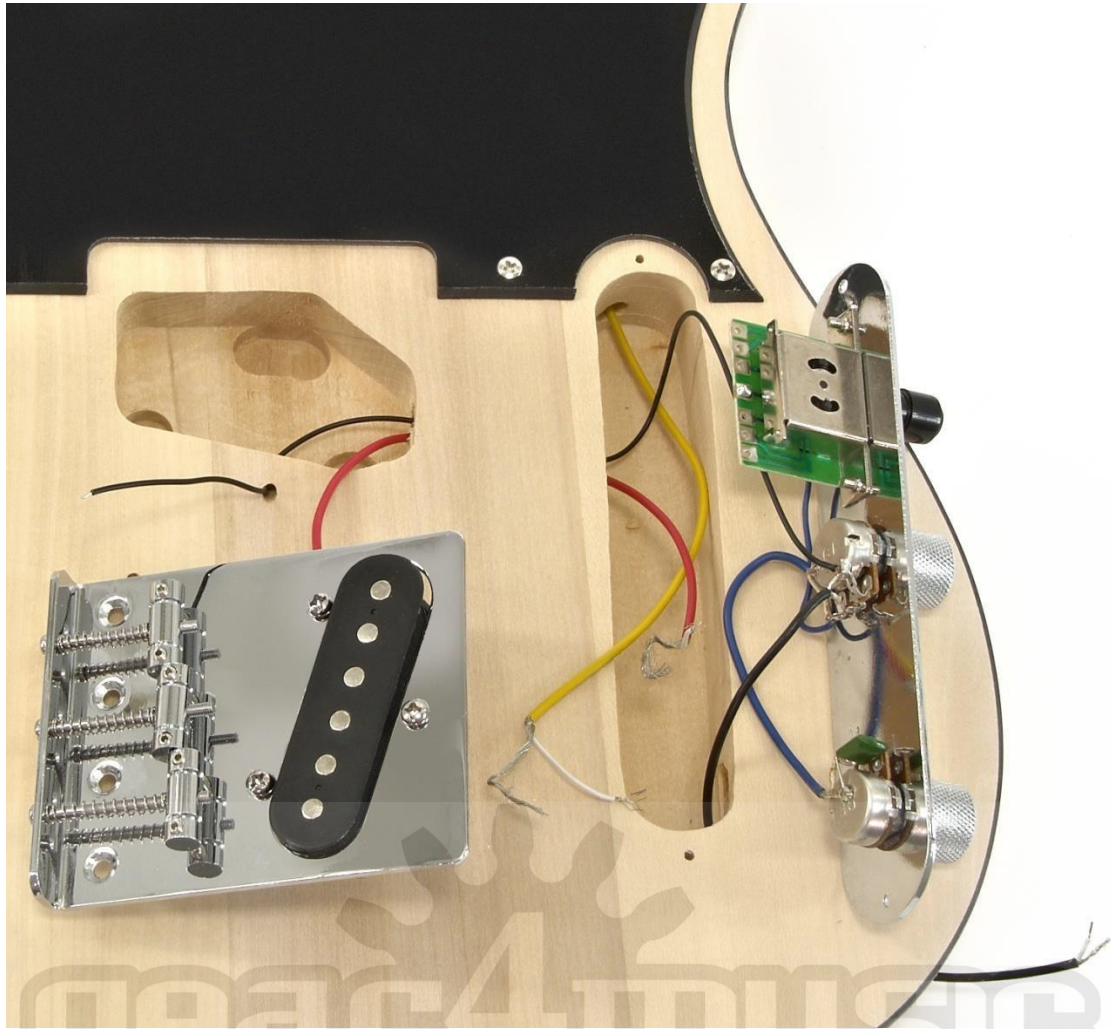
## Screws

- 5mm x
- 7mm x 4
- 8 mm x 2
- 9mm x 2
- 20mm x 2
- 25mm x 2
- 45mm x 4

## Additional

- Allen Key x2
- Jack Cable x1
- Solder 1  
Strip

## Step 1



Feed all of the wires from the Control Panel (5) and the Tailpiece (4) through the body as pictured above. On some models the wires are dual core (one outer wire with two cores), but on others it has two wires. In this case the white wire is the same as the uncovered wire.

Please Note: The wire colours may differ from diagram shown

(The pictured bridge is from the 6 string Knoxville pack)

## Step 2



Solder the earth wire (thin black) to the back of the Tailpiece (4) using the solder provided, and place the Tailpiece (4) in position. Solder the Jack Plate (6) to the two wires (red and white) coming from the control panel (5). The red wire should connect to the longer arm of the jack input, and the white wire to the shorter arm. Take the red wire from the bridge pickup. This should be soldered to the outer two holes on the green PCB on the Control Panel (5). The other 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 wires from the neck pickup.

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

### Step 3



Screw the Tailpiece (4) into place using the 20mm screws, matching them with the predrilled pilot holes; screw the Control Panel (5) into place using the 2 x 8mm and screw the Jack Plate (6) using the 4 x 7mm screws.

(The pictured bridge is from the 6 string Knoxville pack)

## Step 4



Turn the guitar body (1) over and place the six string ferrules (9) into the holes on the back of the guitar. If the ferrules offer a little resistance, a gentle tap with a hammer can help them into the holes.

## Step 5



Insert the machine heads (14) into the holes in the Headstock (3). Place the washer (11) on top, and then screw in the Ferrules (10). The neck should then be turned over and the 5mm screws should be screwed into the pilot holes securing the machine heads in place.

## Step 6



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 7



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 with the provided strings (13) and then attach the String Tree (12) to the Headstock (3) using the 9mm screws. The screw should be placed between the E and A strings on the left hand side of the headstock, and between the B and E strings on the right hand side.

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



# Appendix

## Electric TL Wiring Diagram

Please Note: The wire colours may differ from diagram shown

