

# Electric AC 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

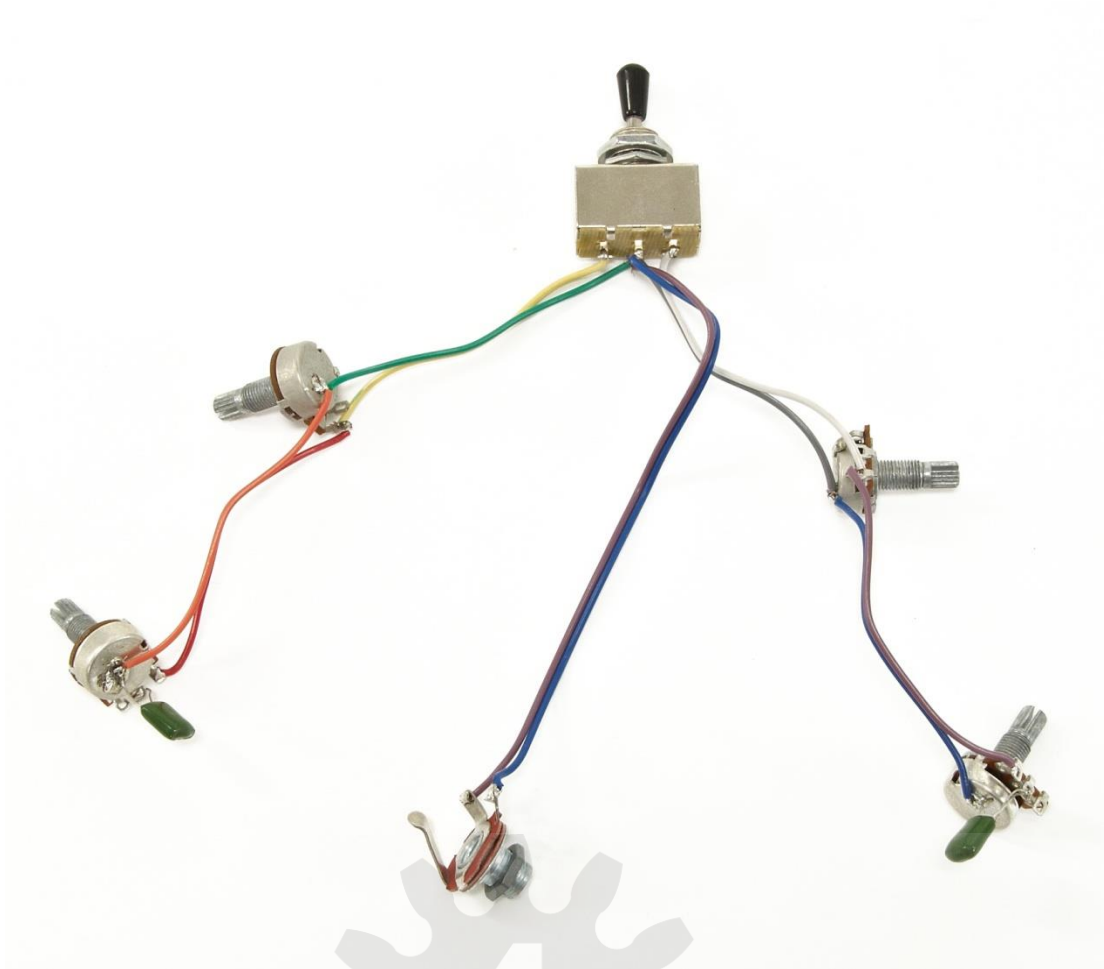
- 1. Guitar Body
- 2. Guitar Neck
- 3. Wire Set
- 4. Tone Selector
- 5. Neck Pickup
- 6. Bridge Pickup
- 7. Tone Selector Plate
- 8. Backplate
- 9. Tailpiece
- 10. Bridge
- 11. Scratch Plate
- 12. Neck Plate
- 13. Machine Heads
- 14. Truss Rod Cover

- 15. Dials
- 16. Strings
- 17. Bridge Pins
- 18. Tailpiece Pins
- 19. Washers
- 20. Ferrules
- 21. Strap Buttons

## Screws

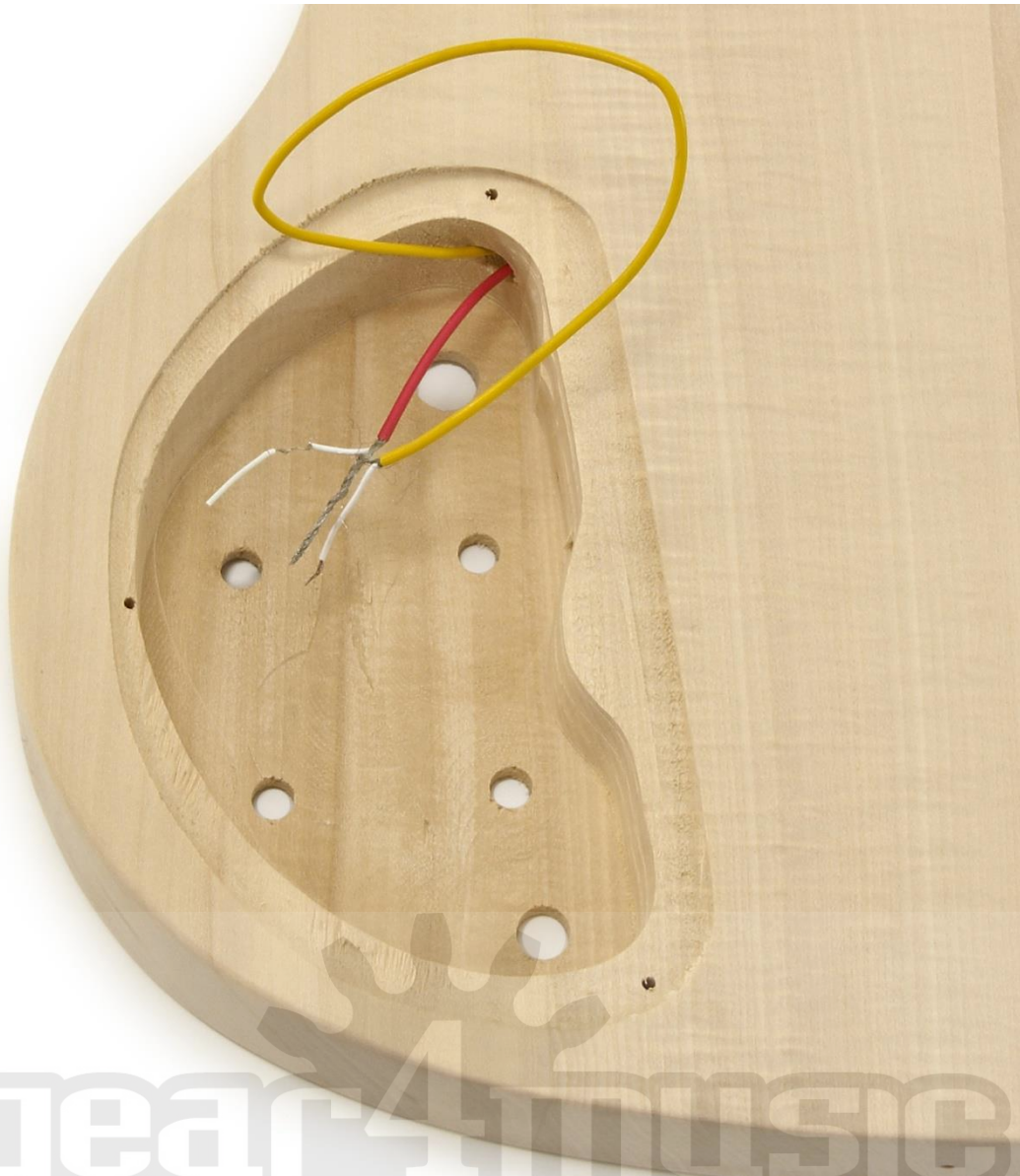
- 6 x 10mm
- 8 x 13mm
- 3 x 14mm
- 4 x 18mm
- 2 x 26mm
- 4 x 45m

## Step 1



Solder the three connected wires on the Wire Set (3) to the middle arm of the Tone Selector (4). Take the first of the remaining loose wires from the Wire set (3) and solder it to the left hand arm on the Tone Selector (4). Repeat this process with the last remaining wire on the left hand arm.

## Step 2



Put the pickups (5 and 6) in place on the front of the body (1), and feed the wires through the hole in the pickup cavity. The screws on the pickups should face towards the neck on the Neck Pickup (5), and towards the bridge on the Bridge Pickup (6). The cables should be threaded through to the control cavity on the back as pictured. Screw the pickups in place using the 8 x 18mm screws.

### Step 3



The uncovered wire from the Neck Pickup (5) should be soldered on to the back of the first Volume Pot (The pot without the transistor), and the covered wire should be soldered to the middle arm on the Pot. This should be repeated with the Bridge Pickup (6) and the second volume pot. The Tone Selector (4) should then be placed through the first hole in the Body (1). The first Volume Pot should be placed through the second hole, and the first Tone Pot through the holes below. This should be repeated with the second set, and then the Jack Input should be fed through the final hole (as pictured).

#### **Step 4**



Screw the nuts in place on the Volume and Tone Pots and the Jack Input to keep them in place. Place the Tone Selector Plate (7) over the top of the Tone Selector (4) and then screw the nut and washer on top. Screw the Scratch Plate (11) in place using 5 of the 13mm screws. At this point the Bridge Pins (17) and Tailpiece Pins (18) should be put in place (as pictured). The earth wire (black) should be threaded through the hole from the body cavity to the tailpiece hole, and soldered to the first Bridge Pin (18)

## Step 5



Insert the machine heads (13) in to the holes in the Headstock (2). Place the washer (19) on top, and then screw in the Ferrules (20). The neck should then be turned over and the 6 x 10mm screws should be screwed in to the pilot holes securing the machine heads in place. Make sure that the screw hole in the Machine Heads are facing downwards.

## Step 6



Put the Body (1) and Neck (2) together. Place the Neck Plate (12) with the rubber Pad on the back of the Body (1) in line with the pilot holes, and attach with the 4 x 45mm screw. Place the Truss Rod Cover (14) in place, matching the holes with the pilot holes, and screw in using the 3 x 14mm screws.

Attach the Strap Buttons (21) with their rubber washers to the pilot holes on the base and arm of the body (1) using the 2 x 26mm screws. Screw the Back Plate (8) in place using the remaining 13mm screws.

## Step 7





Place the Bridge (10) on the Bridge Pins (18), with the screw heads facing the neck. Place the Tailpiece (9) on the Tailpiece Pins (17). String the guitar using the strings (16), threading them through the tailpiece (9).

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



# Appendix

## Wiring Diagram

