

New Jersey Electric Guitar DIY 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

The logo for 'gear4music' features the text 'gear4music' in a bold, rounded, sans-serif font. The number '4' is significantly larger than the other characters. Behind the text is a large, light grey gear icon with a human silhouette inside it, suggesting a focus on music and craftsmanship.

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Enjoy building your Guitar!

Contents



Parts

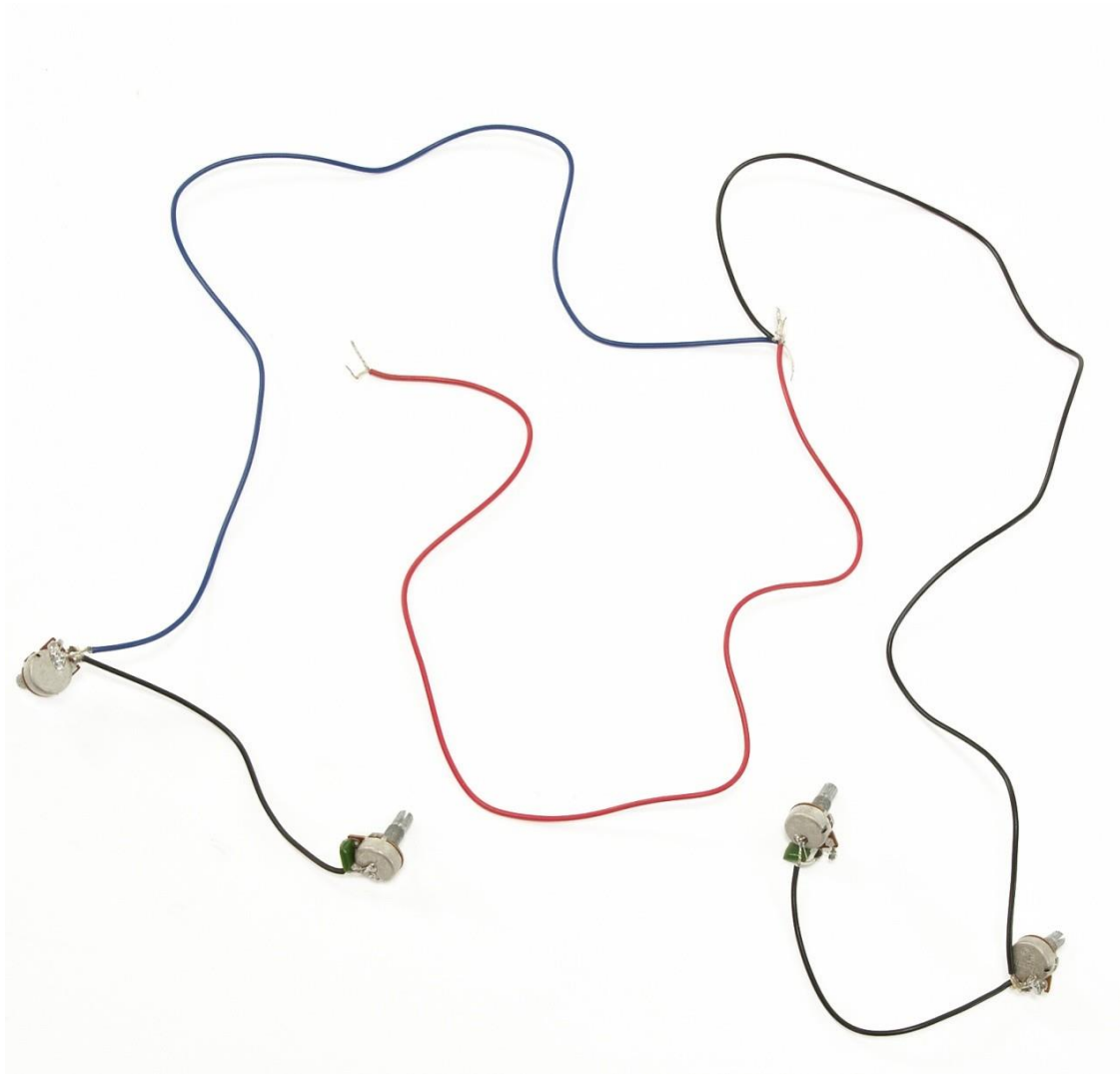
1. GuitarBody X 1
2. Guitar Neck X 1
3. Neck Pickup X 1
4. Bridge Pickup X 1
5. Pickup Selector x 1
6. Transistor x 1
7. Pickup Selector Plate x 1
8. Jack Input x 1
9. Ferrules x 6
10. Bridge x 1
11. Tailpiece x 1
12. Bridge Pins x 2
13. Tailpiece Pins x 2
14. Backplate x 1

15. Strap Buttons x 2
16. Machine Heads x 6
17. Back Plate x 1
18. Selector BackPlate x 1
19. Scratch Plate x 1
20. Truss Rod Cover x 1
21. Control Knobs x 4

Screw

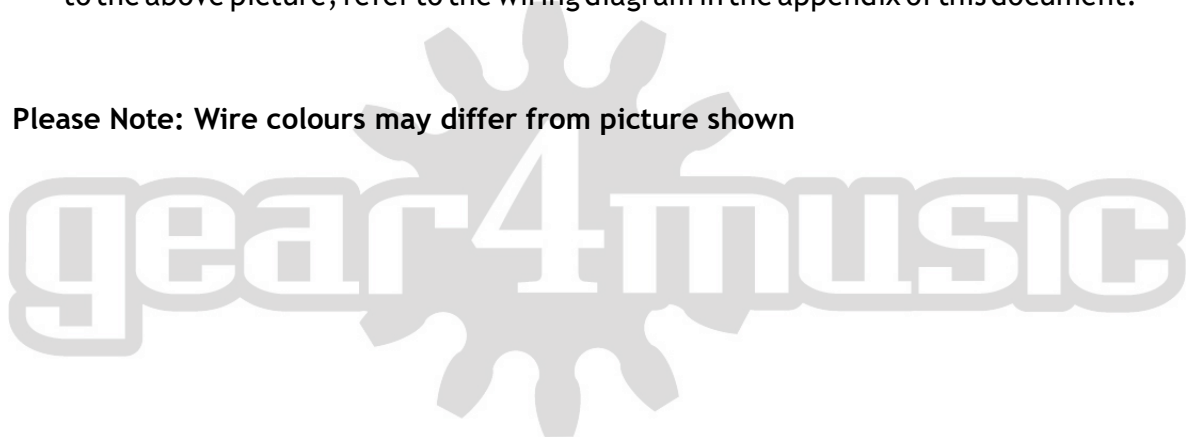
- 5mm x5
- 10mm x 6
- 13mm x 9
- 18mm x 8
- 26mm x 2
- 45mm X 4

Step 1

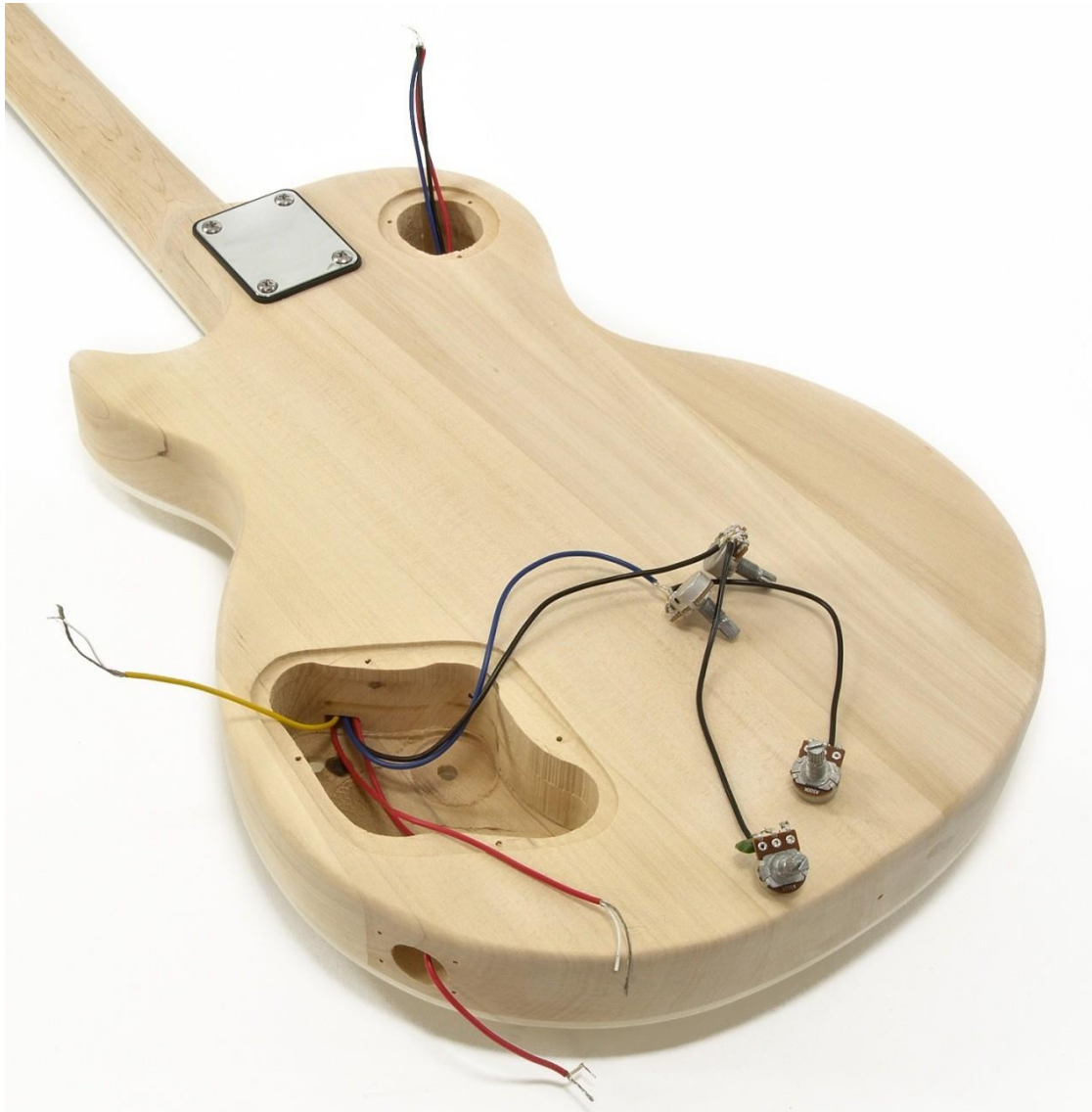


Check that the pre-wired wiring is assembled as below. If there are any differences to the above picture, refer to the wiring diagram in the appendix of this document.

Please Note: Wire colours may differ from picture shown



Step 2

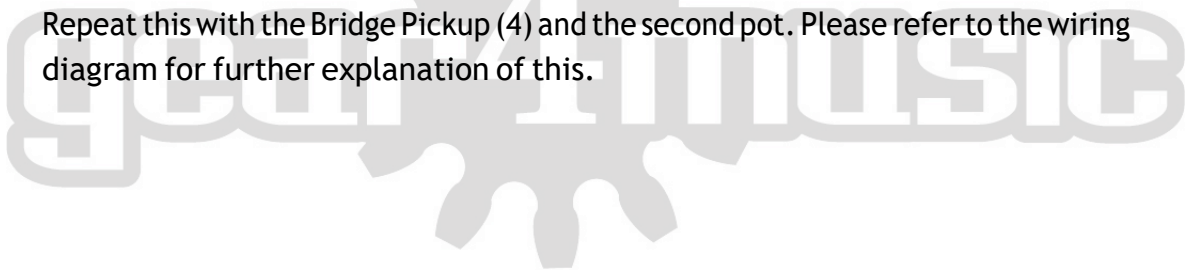


Feed the three long wires of the pre-wired wiring from the body cavity, through the pickup cavity, and out of the tone selector cavity, as shown in the picture above. Put the Neck Pickup (3) and Bridge Pickup (4) in place on the guitar Body (1) and feed the wires through to the guitar body cavity. The pickups should then be screwed in place using the 8x18mm screws, lining them up with the pilot holes. The red output wire should then be threaded through the output hole in the body cavity as pictured.

Step 3



Solder the covered output wire to the long arm of the Jack Input (8). The uncovered wire should be soldered to the shorter arm. Solder the covered wire of the Neck Pickup (3) on to the middle arm of the first pot on the pre wired wiring (the pot without the transformer). Solder the uncovered wire on to the back of the first pot. Repeat this with the Bridge Pickup (4) and the second pot. Please refer to the wiring diagram for further explanation of this.



Step 4



Pull the conjoined wires from the pre-wired circuit out of the tone selector cavity. Solder the coupled uncovered wires to the body arm on the back of the Tone Selector (5). Solder the covered output wire (Red) to the central middle arm of the Tone Selector. Solder the covered wire of the Neck Pickup (Blue) to the left central arm of the Tone Selector. Solder the covered wire of the Bridge Pickup (Black) to the right central arm of the Tone Selector.

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Step 5



Place the Volume and Tone pots through the corresponding holes in the body (1) and screw on the nuts to hold them in place. Place the Tone Selector (5) through the corresponding hole, place the Tone Selector Plate (7) on top, and screw on the nut and washer to hold in place. Place the Bridge Pins (12) and Tailpiece Pins (12) in the corresponding holes. Place the Bridge (10) on top of the Bridge Pins (12), with the screw heads facing towards the neck. The Tailpiece (11) should then be placed on the Tailpiece Pins (13).

Step 6



Insert the machine heads (16) in to the holes in the Headstock (2). Place the washer on top, and then screw in the Ferrules (9). The neck should then be turned over and the 6x10mm 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. Place the Truss Rod Cover (20) in place, matching the holes with the pilot holes, and screw in using the 3 x 14mm screws.

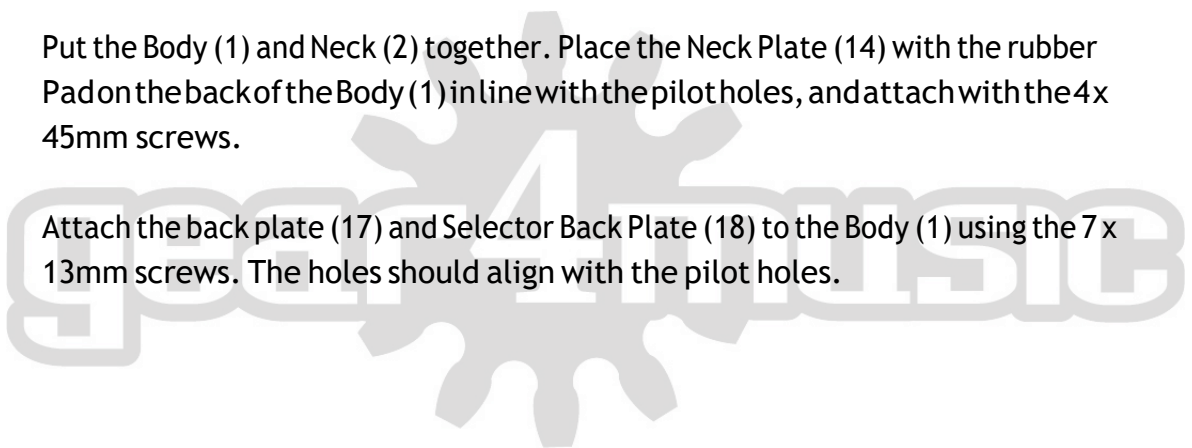
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Step 7



Put the Body (1) and Neck (2) together. Place the Neck Plate (14) with the rubber Pad on the back of the Body (1) in line with the pilot holes, and attach with the 4x 45mm screws.

Attach the back plate (17) and Selector Back Plate (18) to the Body (1) using the 7 x 13mm screws. The holes should align with the pilot holes.



Step 8



Attach the Strap Buttons (15) 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 (12) in place using the remaining 13mm screws.

Screw the Scratch Plate (19) and metal arm in place using the remaining 13mm Screws. The plate should join to the arm using the included nut and bolt.

String the guitar using the strings, threading them through the tailpiece (11).



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



Appendix

Wiring Diagram

Please Note: wire colours may differ from diagram

