

## Telecaster Style Guitar Kit Instructions

These instruction sheets are offered to help you successfully build your guitar kit.

### KIT CONTENTS:

- 1) Joint Bolt-on
- 2) Body Ash 2 Piece
- 3) Neck Maple
- 4) Fingerboard
- 5) Tuning Machines Die-cast
- 6) Scale Length 25.5" 648mm
- 7) Frets 22
- 8) NO SOLDERING
- 9) Control 1V, 1T, 3-Way Selector
- 10) Pickups S-S Hardware
- 11) Bridge
- 12) Pickguard
- 13) 1x set of strings (usually 9-42 gauge).
- 14) 1x guitar cable
- 15) All necessary screws, nuts, washers etc. for securing the hardware and plastic parts.
- 16) 1x Allen key for truss rod adjustment
- 17) Instruction and wiring diagram sheets



### CHECKING THE PARTS:

**Please check that all the above components are present and correct and that no damage has occurred to any part while in transit.**

### PRIOR TO STARTING WORK:

1. Prepare a safe and well-ventilated working environment
2. Provide your working surface with some form of anti-slip material such as rubber carpet underlay, silicon sheet or similar.
3. Have available a selection of 400, 600, 800, 1200 and 1500 smoothing papers such as Wet 'n' Dry sheets.
4. Determine which specific screws and washers etc. are the ones you are going to use to secure the various individual parts.
5. Use protective gloves such as latex or similar.
6. Take the required precautions when using wood preparation or wood finishing products such as paints, sprays, lacquers and oils etc.
7. For "set in" neck kits you will need 2x wide capacity clamps and protective blocks of wood for the gluing process. (see 7 below)

## STARTING THE BUILD:

1. Prepare the neck and body by smoothing them to at least 600 grit quality or until you are content with the look and feel of the wood.
2. Carry out a “dry run” of fitting the neck to the body to establish that there are no obvious problems with gaps or alignment etc.
3. Fashion the headstock if necessary, by cutting or sanding it to your favoured profile.
4. Commence treating the body and neck with your chosen finishing product. Pay strict attention to the manufacturer’s instructions and search the internet and You Tube videos for advice and helpful tips/ideas. Never rush any part of the wood finishing process including allowing recommended drying times between coats.
5. Once you are content with the finish, join the “bolt on” neck to the body (for “set in” necks see 6 below) use the 4 screws provided.
6. For “set in” neck models use only wood glue from a well-respected manufacturer and apply the glue in strict accordance with the manufacturer’s instructions.
7. Ensure that a good straight, true and gapless joint has been formed between the neck and the body before clamping them tightly together using 2 clamps. ***Do not apply the pressure from the clamps directly onto the fretboard or underside of the neck pocket. For the latter, use a smooth and large enough piece of spare wood to take the clamping pressure. Similarly, on the fretboard side do not apply clamping pressure directly onto the frets as this could misalign or otherwise twist or damage them. Instead, a spare piece of wood suitably radiused and with 7 or 8 deep enough channels to safely accept and thus protect the frets is recommended. Leave the clamps in position for at least 24 hours before removing them and going on to the next stage.***
8. Attach the strap buttons to the guitar body using the 2 screws and washers provided.
9. Attach the 6 machine heads to the headstock using the bushes, washers and hex. nuts provided. Leave these slightly loose until you have secured the machine heads at the back of the headstock with the 6 small screws provided and then tighten up the bushes, washers and hex nuts on the face of the headstock.
10. To fix the (LP style bridge only) bridge and tailpiece posts into their respective pre-drilled holes in the body, drive them fully home with a wooden mallet until the stop rings at the foot of each post meets the top of the guitar body. NOTE: before installing the tailpiece post nearest to the main control cavity, you must first select the short single wire (usually found in one of the accessory packets) and ensure that the end of the wire is bare back to 1” (2.5cm). Feed this wire through from the main control cavity so that the bared end appears through the small hole just inside the top lip of the post hole and then push the bare wires down into the post hole such that when the post is driven home it will securely trap the wire inside the post hole. The other end of this short wire connects to its other half which is soldered to an earthing point on one of the pots thus earthing the bridge and tailpiece assemblies.
11. (Style depending) To complete the wiring you will need to route various wires e.g. pickup and 3-way selector wires through the body, and you may have noticed already that the wiring harness with your kit has wires with connectors midway. These all need to be pulled apart to facilitate routing the wires but before doing so, refer to the enclosed WIRING DIAGRAM AND NOTES SHEET. Similarly, for those kits with

all points soldered (i.e. no midway interconnects) also refer to the sheet mentioned above. Do not install the pickups or route their wires at this stage.

12. Next fit the output socket to the body. Connect the trailing lead from the output socket into the wiring harness.

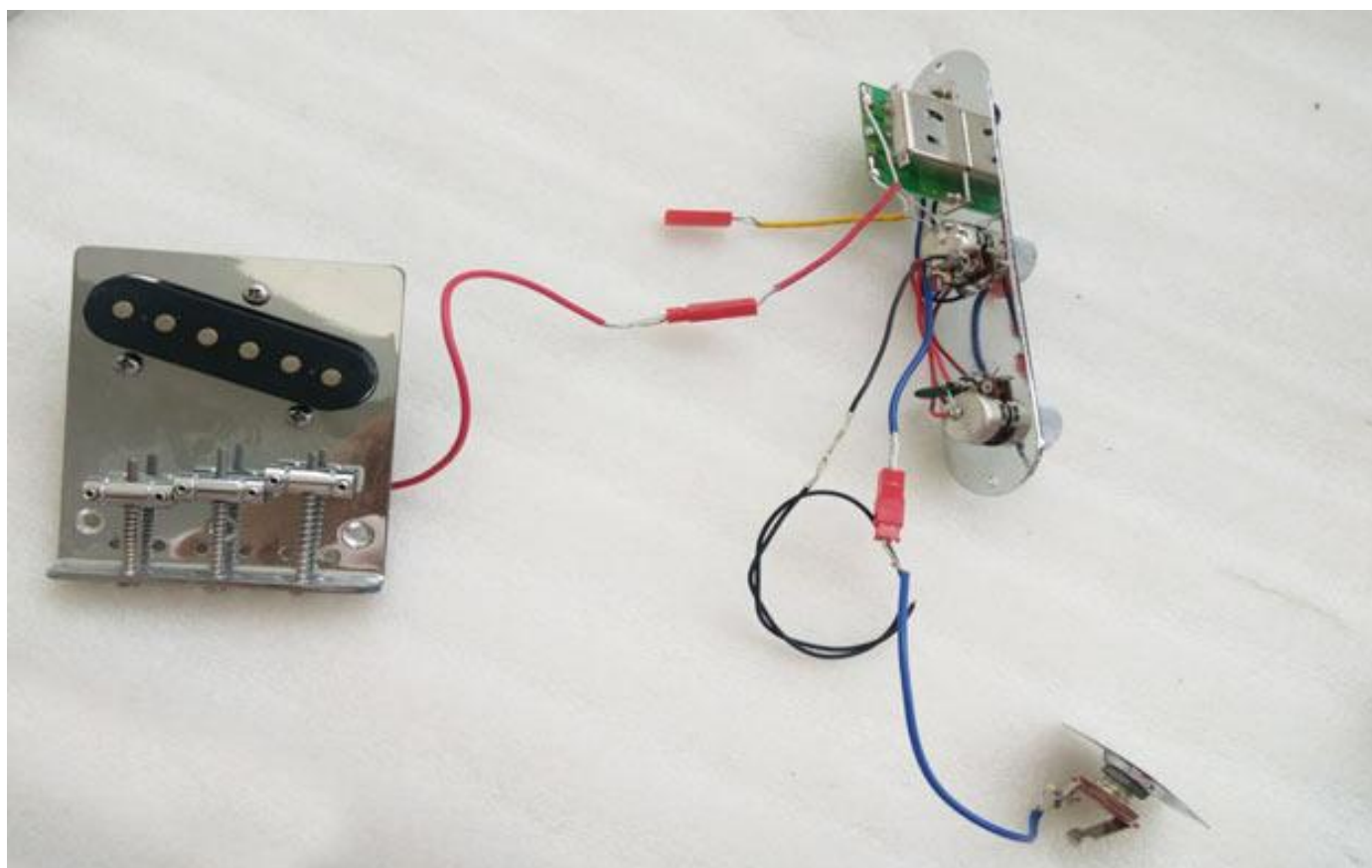
13. Next, connect the earth wire.

14. Screw pick guard down.

15. Close off the 3-way switch.

16. Fix the truss rod cavity cover plate to the headstock using the 3 screws provided (**NOTE:** this may have to be removed again if truss rod adjustment is necessary).

17. String the guitar up to pitch with your chosen set of strings and leave the whole instrument to settle for 2 hours before making any intonation adjustments (**NOTE:** refer to the internet and You Tube for advice on how to achieve the best tuning.)



# TELECASTER 3-WAY WIRING DIAGRAM

