

INSTALLATION GUIDE



ORIGINAL OFFSET GUITAR BRIDGE

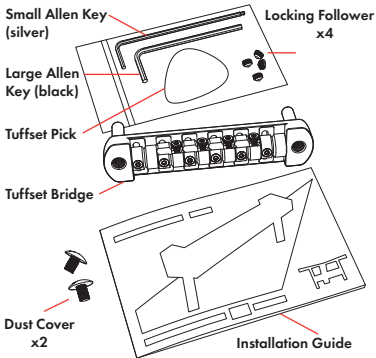


MADE IN THE UK

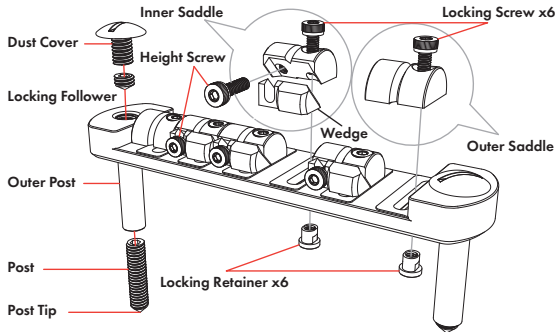


CONTENTS

Anatomy of the Tuffset	2
Remove Old Bridge	3
Install Tuffset and Set Post Height	4-8
Raise Saddle	9-10
Lower Saddle	11-12
Adjust Intonation	13-14
Finishing Up	15-16

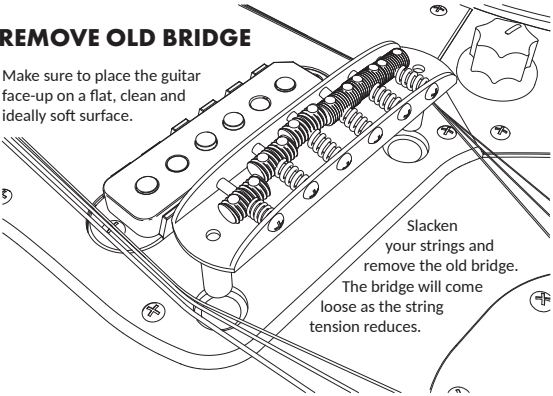


ANATOMY OF THE TUFFSET



REMOVE OLD BRIDGE

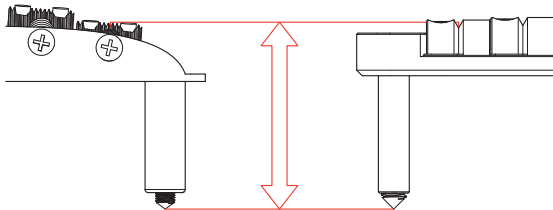
Make sure to place the guitar face-up on a flat, clean and ideally soft surface.



Slacken
your strings and
remove the old bridge.
The bridge will come
loose as the string
tension reduces.

INSTALL TUFFSET AND SET POST HEIGHT

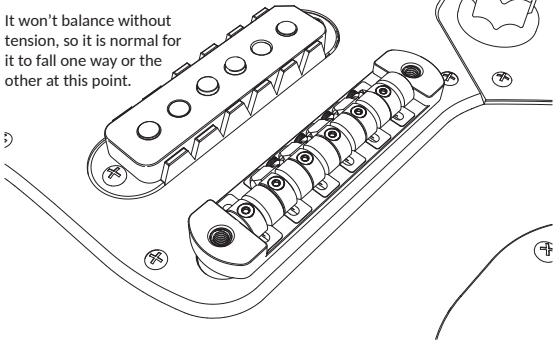
If your guitar was already well set-up, you might want to try roughly matching the post heights of your Tuffset bridge to the old bridge before installation.



Use the outer (E and e) string slots and tips of the posts as your reference.

Place the Tuffset bridge in the thimbles of the body.

It won't balance without tension, so it is normal for it to fall one way or the other at this point.



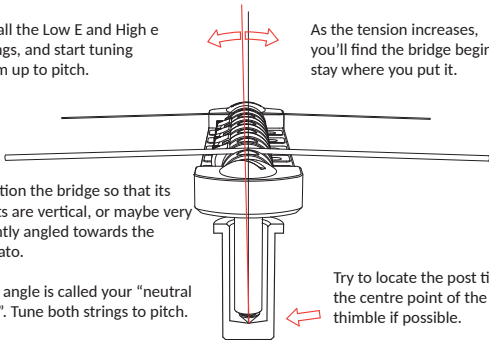
Install the Low E and High e strings, and start tuning them up to pitch.

As the tension increases, you'll find the bridge begins to stay where you put it.

Position the bridge so that its posts are vertical, or maybe very slightly angled towards the vibrato.

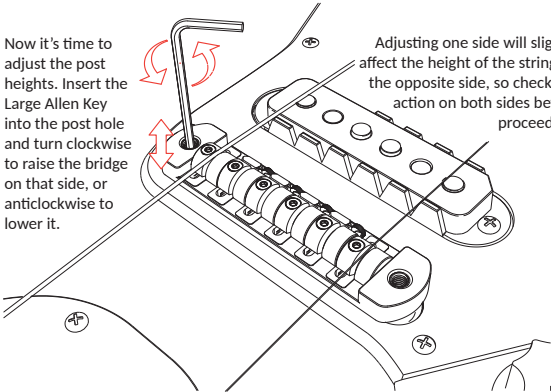
This angle is called your "neutral axis". Tune both strings to pitch.

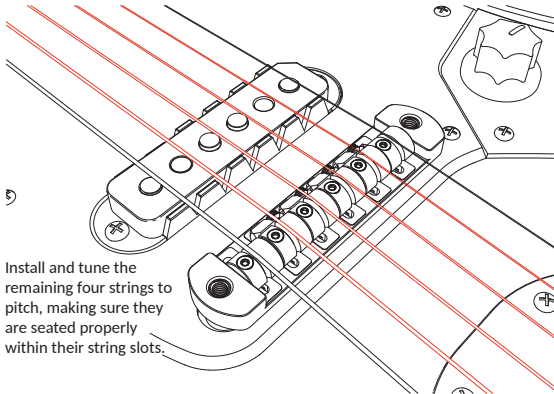
Try to locate the post tips to the centre point of the thimble if possible.



Now it's time to adjust the post heights. Insert the Large Allen Key into the post hole and turn clockwise to raise the bridge on that side, or anticlockwise to lower it.

Adjusting one side will slightly affect the height of the string on the opposite side, so check the action on both sides before proceeding.





Install and tune the remaining four strings to pitch, making sure they are seated properly within their string slots.

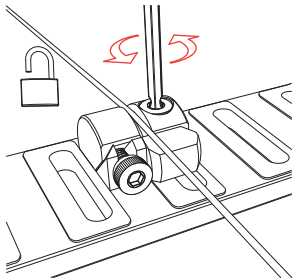
SET INNER FOUR SADDLE HEIGHTS

RAISE THE SADDLE

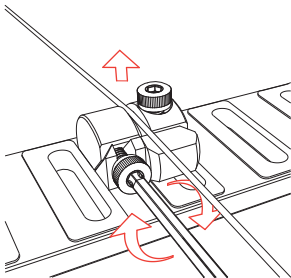
Now it's time to adjust the inner 4 saddles.

The string height (action) will need to be raised or lowered for each saddle in turn. Use your Small Allen Key.

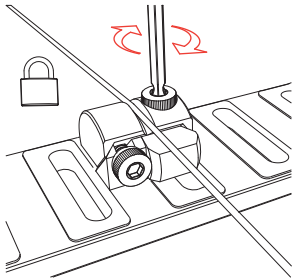
Before you continue, check that the bridge's neutral axis is still correct.



Turn the Locking screw counter-clockwise to loosen it. This introduces slack - the more you turn it, the more slack you have.



Turn the Height Adjustment Screw clockwise to raise saddle. If screw goes tight before desired height, you might need more slack.



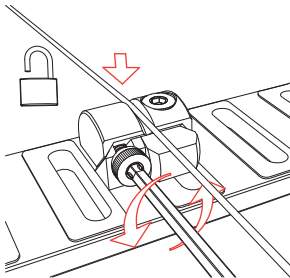
When the height is correct, turn Locking Screw clockwise until snug. This takes up the remaining slack and locks the saddle.

LOWER THE SADDLE

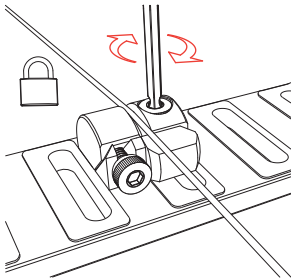
Lowering the saddle is a slightly different process from raising the saddle, because turning the Height Adjustment Screw counter-clockwise has the additional effect of unlocking the bridge and creating slack.

TIP

If you adjust the action too low before locking, you can turn the screw clockwise to raise it back up - but not above the height it started from.



Turn the Height Adjustment Screw counter-clockwise and the saddle height (action) will gradually fall.



When the height is correct, turn Locking Screw clockwise until snug. This takes up the remaining slack and locks the saddle.

INTRODUCTION TO INTONATION

Intonation adjustment is needed to ensure that the fretted notes sound in tune as well as the open notes. It allows you to control the precise speaking length of each string individually.

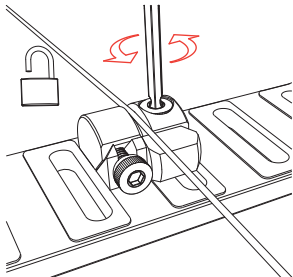
Tune the open string, then sound the 12th fret. If the 12th fret is sharp, the saddle must be moved away from the neck. If it is flat, it must be moved towards the neck. If the 12th fret is in tune, the string is intonated correctly.

ADJUST INTONATION

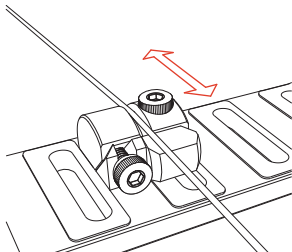
The process for adjusting intonation and locking the saddles is the same for all six saddles.

TIP

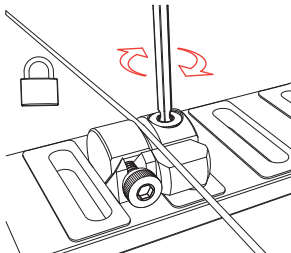
If too much force is applied when adjusting the intonation and the neutral axis is altered, you can fix this by lifting the string plane from underneath with one hand and carefully but firmly encouraging the bridge back to the neutral axis with the other hand.



Using the Small Allen Key, turn the Locking Screw counter-clockwise to loosen it - one turn should be enough.



Holding the chassis of the bridge at its neutral axis with one hand, carefully slide the saddle with thumb and forefinger of the other to make the desired adjustment.



When the intonation is correct, turn the Locking Screw clockwise until snug. The saddle's height and intonation are now locked in place.

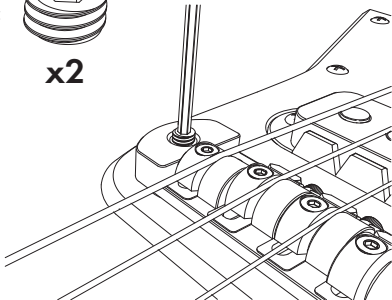
FINISHING UP

Once your guitar is playing well and all adjustments are set to your liking, it's time to install the Locking Followers to lock your post heights in place.

There are four Locking Followers in a small ziplock bag in your Tuffset box - take two and screw **one each** into the top of the post holes with the Large Allen Key until snug.

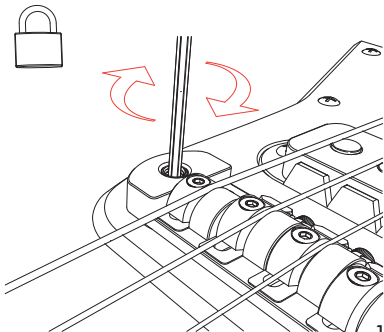


x2

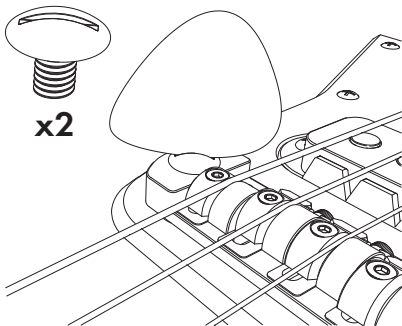


Remember that the **Locking Followers** will **have to be removed** before post-height adjustments can be made in future.

Keep two spare in the ziplock bag and put them in your guitar case - small screws like these are easily lost so we give you a couple extra!



Finally for an optional cosmetic change, you may choose to insert your Dust Cover Screws after the Locking Followers.



You should be able to get these snug using your Tuffset Pick!

You are now ready to play and enjoy your Tuffset-equipped guitar for the first time.

THANK YOU

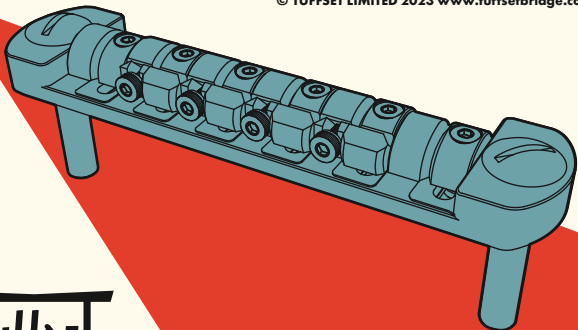
for the trust you have placed in us by choosing the Tuffset Bridge for your treasured instrument.

It has been a labour of many years for us - but **the Tuffset story won't have begun until it's in your guitar, helping to delight and inspire you as a musician.**

We wish you many years of playing enjoyment, wherever the music takes you. It is our great privilege that you chose to take us along on your journey!

Sincerely, Dan and the whole Tuffset team





FULLY ADJUSTABLE • FULLY LOCKING • ROCKING ACTION