



# Adjusting Ibanez SR405QM Truss Rod

High tension caused by the strings can cause the wood of the fret board to bow. In this guide we will learn to loosen or tighten truss rod.

Written By: Chris Pittner



## INTRODUCTION

High tension caused by the strings can cause the wood of the fret board to bow. This bowing can become so extreme it becomes difficult or impossible to play on due to the string height. Thus, in this guide we will learn to loosen or tighten truss rod.

The truss rod can be replaced with the strings on or off. Because the Allen wrench is bulky, this guide will show how to adjust the truss rod with the strings removed. Once the strings are removed, the fretboard will begin to slightly bend upwards or downwards. This will determine how much adjusting will need to be done on the truss rod.



### TOOLS:

- [Hex Key/Allen Wrench](#) (1)
  - [Online Tuner](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
  - [Flush Wire Cutters](#) (1)
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## Step 1 — Strings



- Loosen all of the strings completely by turning each tuning peg counter clockwise. Continue until there is no tension in the strings

## Step 2



- Remove each string by pulling it out of the string tree at the top and through the bridge at the bottom.



### Step 3



- Thread the largest new string through the bridge hole farthest from the knobs. Hold it firmly in place.

### Step 4



- Pull the string up to the corresponding string tree.

## Step 5



- Firmly grasp the middle of the string and pull it taut.

## Step 6



- On a taut string, measure one inch past the nut before using a pair of wire cutters to cut the string.



## Step 7



- Take the end of the string and insert it into the hole in the middle of the string tree.

## Step 8



- Bend the string sideways into the channel of the string tree.

## Step 9



- Use one hand to maintain tension in the string by grabbing the string and rotating the hand toward the fret board.
- ⓘ If tension is not retained it may result in uneven tension in the string tree, causing the tree to break.

## Step 10



- Rotate the tuning peg counterclockwise until the string is slightly taut, but not tight.
- Check to ensure that the string is lined up with the proper notch in the nut.
- ⓘ You will have proper alignment when the string bends at a minimum angle.

## Step 11



- Repeat steps 3-10 for each string.
- ⓘ Each string will progressively get closer to the knobs. It is not essential to progress from thick to thin strings, but it is important that they are connected to the proper string tree.



## Step 12



**⚠ Caution:** Do not over tighten the strings. This can cause the strings to snap and could cause bodily injury. The strings are too tight when you have difficulty turning the tuning peg.

- Tighten the string until it is close to the proper tuning. Use an electronic tuner or an online tuner that uses your computer's microphone. (Google: Online Tuner)

**i Note:** Clockwise rotation of the tuning peg tightens the string and produces a higher pitch. Counter-clockwise rotation loosens the string causing a lower pitch.

- Tune the thickest string to B, the second thickest string E, the next thickest to A, the next string to D, and the last string to G.

## Step 13



- Because the strings will change pitch as the guitar body deforms due to increased tension, repeat step 12 after each string is tuned individually.

## Step 14 — Adjusting Ibanez SR405QM Truss Rod



- Remove the strings from the bass according to the string installation guide.

## Step 15



- Locate the screws covering the truss rod.

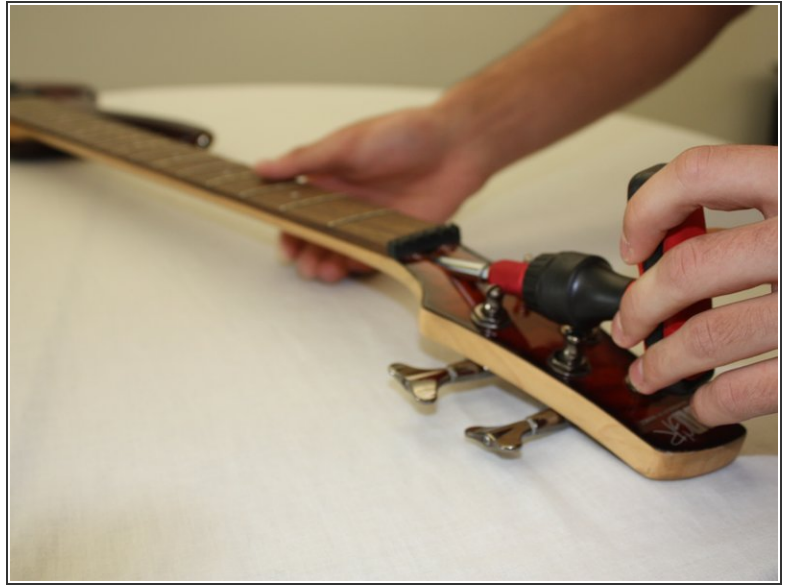
## Step 16



- Remove each of the screws with the Philips #1 screwdriver.
- Remove the plate covering the truss rod by sliding it off.



## Step 17



- Locate the truss rod hex nut.
- If your fret board is bowing upward towards the strings, loosen the truss rod by turn by turning the hex wrench a quarter to half turn counter-clockwise.
- If your fret board is bowing down away from the strings, tighten the truss rod by turning the hex wrench a quarter to half a turn clockwise.

To reassemble your device, follow these instructions in reverse order.

You've successfully adjusted the truss rod!