



# Guitar String Replacement

Learn how to replace the nylon strings on your Yamaha C-40 classical acoustic guitar.

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## INTRODUCTION

This guide will teach readers how to remove old or damaged strings from their guitars, and how to tie knots at the bridge and head of the guitars to keep the strings in place.

This guide will also outline the process of fitting open-ended nylon strings onto a Yamaha C-40 Classical Acoustic Guitar.

This guide assumes that the reader has basic knowledge of the parts of the guitar and their respective functions.



### TOOLS:

- [Flush Wire Cutters](#) (1)



### PARTS:

- [Nylon Guitar Strings](#) (1)

## Step 1 — Loosen the tuning pegs



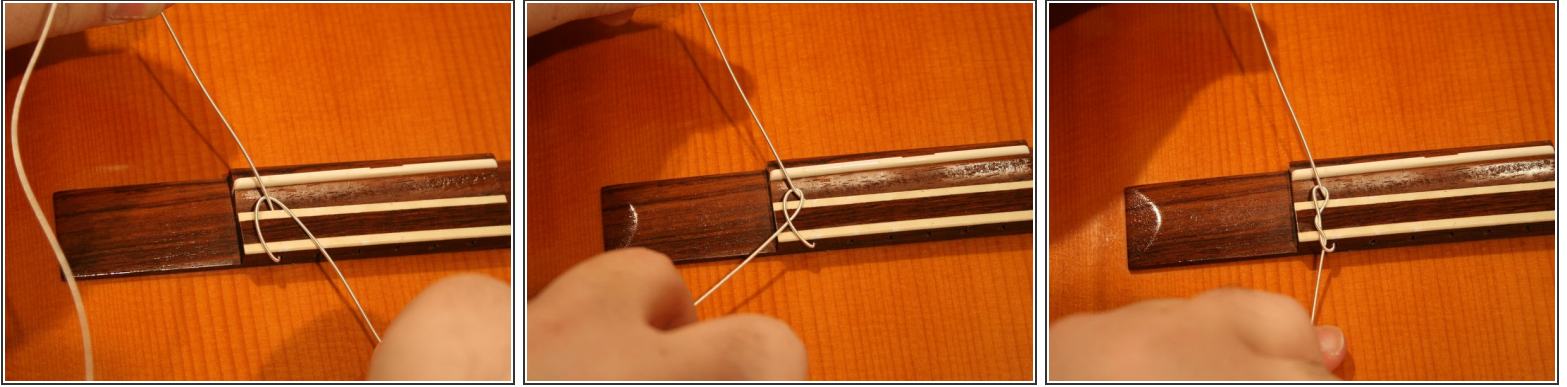
- Turn the tuning pegs counter clock-wise to loosen all of the guitar strings.

## Step 2 — Remove old guitar strings



- ⚠ Cutting a string under tension could cause injury. Ensure that all strings are loose before attempting the next step.
- Once the strings are loose and have no tension, cut the strings with a handheld wire cutter.
- Cut the knots near the tuning pegs and bridge as needed. Then, pull the strings to remove them.

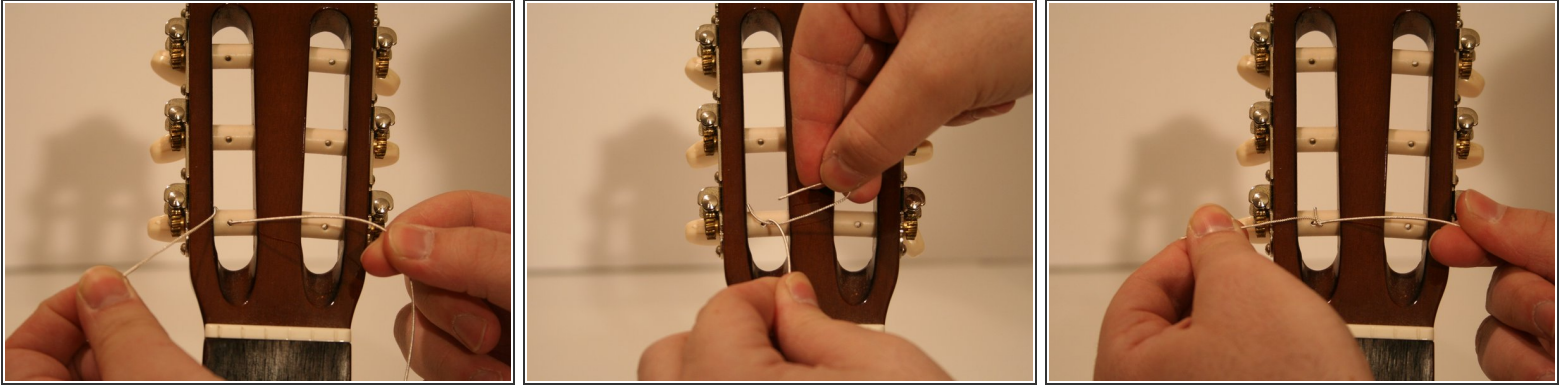
### Step 3 — Thread strings through the bridge



- i** The first three strings (low E, A, and D), have thick and springy ends; the three thinnest strings (G, B, and high E), do not have thick or springy ends. You may use either set of strings.
- Insert the thick end of the string into the top of the bridge and thread it through until about 3 to 4 inches of the string stick out of the bottom.
  - Wrap the short end of the string around the long end of the string, creating a loop.
  - Pass the short end of the string through the loop (2 or 3 times for thick strings, 3 or 4 times for thin strings). Make sure the final pass leaves the string underneath the bridge.
  - Pull both ends of the string until the knot is tight.



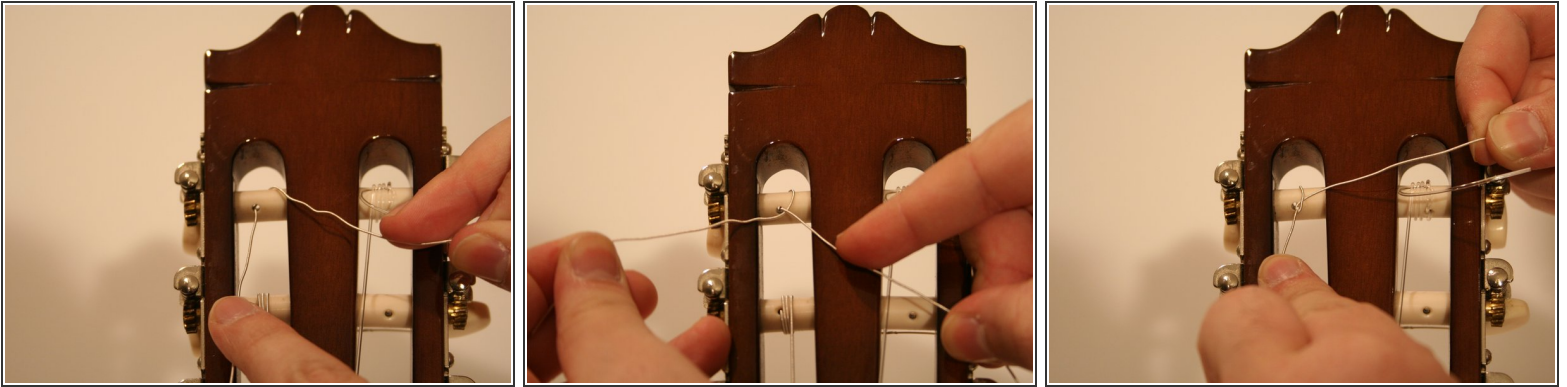
## Step 4 — Knot the low E, G, and B strings




 This knot will be used for **only** the low E, G, and B strings.

- Insert the springy end of the string into the hole in the tuning peg.
- Pull the springy end over the tuning peg and to the left side.
- Bring the springy end to the right side by passing it under the string, creating a loop.
- Push the springy end through the loop, and then pull both ends until the knot is tight. You may have to press the knot with your finger to tighten it completely.

## Step 5 — Knot the A, D, and high E strings



 Repeat step 4 (outlined below) for **only** the strings A, D, and high E .

- Insert the end of the string into the hole in the tuning peg.
- Pull the end over the tuning peg to the right side.
- Bring the end of the string to the left side by passing it under the string, creating a loop.
- Push the end through the loop and then pull both ends until the knot is tight. You may have to press and hold the knot with your finger to tighten completely.

## Step 6 — Tighten the new strings



- Turn the tuning knob in a clock-wise motion to tighten the string until the string makes a clear sound when plucked.
- ⓘ As you tighten the string, be sure to hold the string with your free hand until the string stays tight on its own. This will keep the knot from loosening.
- As the string winds around the tuning peg, make sure that the string passes over the loose end from the knot **at least once**. This will prevent "slipping" (detuning) during tuning and will help keep the knot tight.

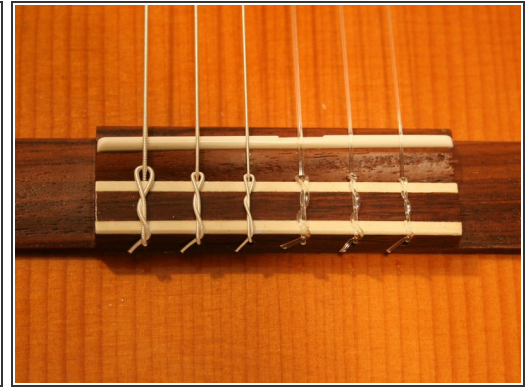
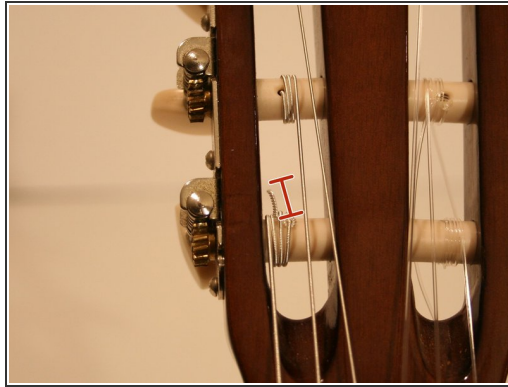
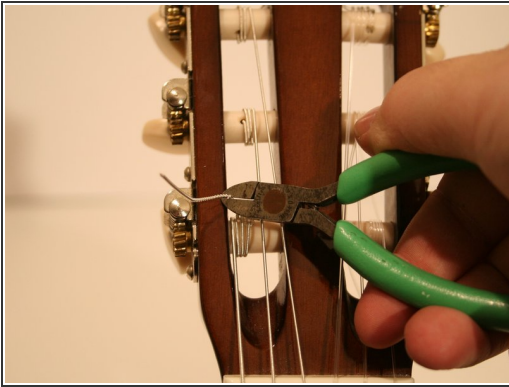
## Step 7 — Check your work before tuning




- Before moving on, compare your work to the image provided. If the head of your guitar does not resemble the guitar in the image, go back to steps 3 and 4.
- ⓘ The E strings should be facing **outwards** (or "away from the body") and the rest of the strings should be facing **inwards** (or "toward the body").
- Check that strings are properly set in the notches of the nut of the guitar. The "nut" is the white bar just below the head of the guitar.
- You are ready to tune your guitar! Classical guitar strings may "slip" or detune. It may take 4 or more rounds of tuning before the new strings stop slipping.



## Step 8 — Clip the loose ends



- Once you have tuned your guitar, remove the loose ends of the strings from the head and bridge of the guitar with your handheld wire cutter.

 Do **not** completely remove the loose ends. Cutting the end too close to the tuning peg or the bridge may cause the string to slip out of position later. Leave at least a half inch piece in place.

Your new strings are now in place!