Section 1.8: Belts and Preload

Written By: Leland Crowther
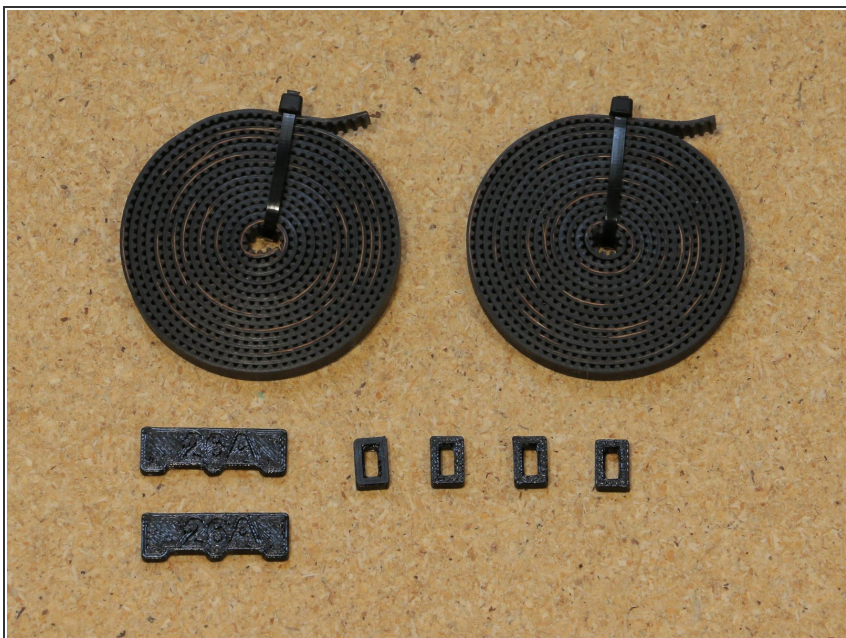
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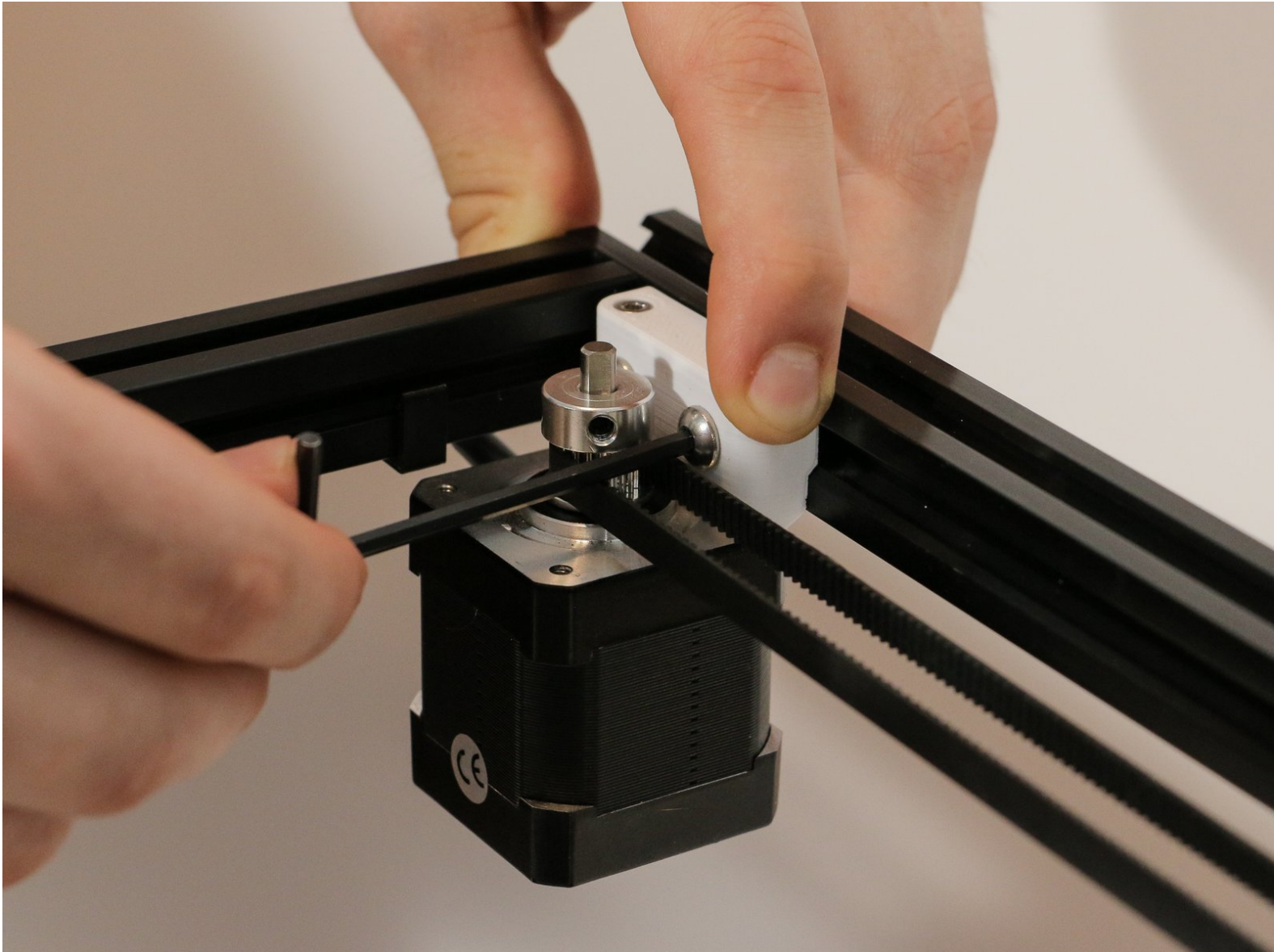
Step 1 — Preload Carriages
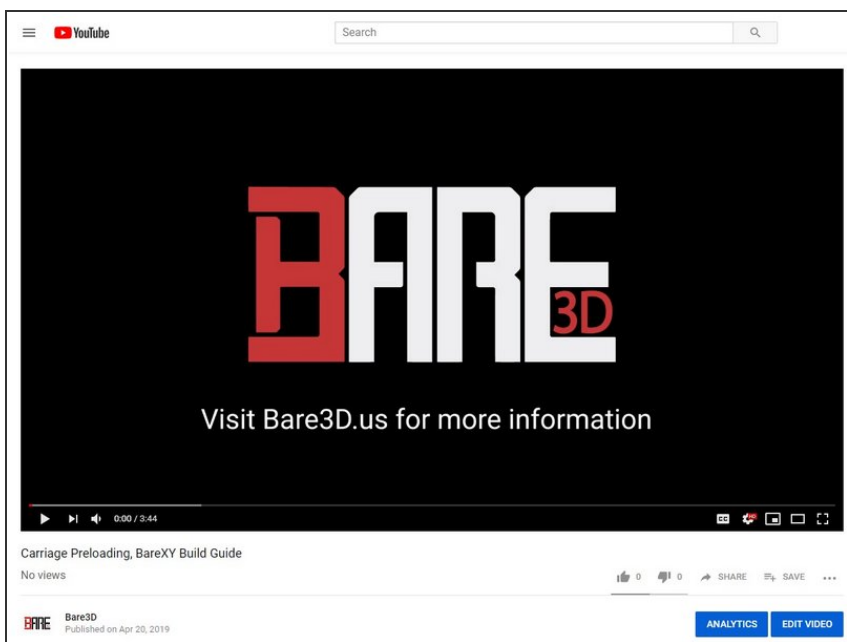
ⓘ I made a quick video to show how to preload the BareXY. See link below

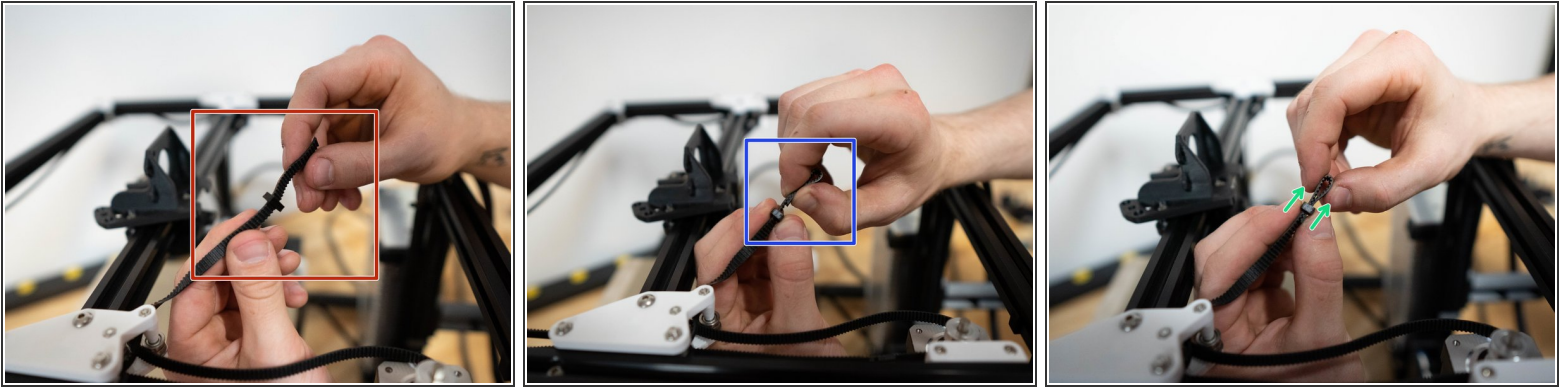ⓘ [Preload Walk-Through Video Link](#)

Step 2 — Prepare Parts

- GT2 Belt (2x)
- Belt Lock (4x)
- Belt Pin 26A (2x)

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Step 3 — Insert Belt Into Belt Lock

ⓘ [I made this video to show how I install the belts. The following steps explain what I demonstrate in the video](#)
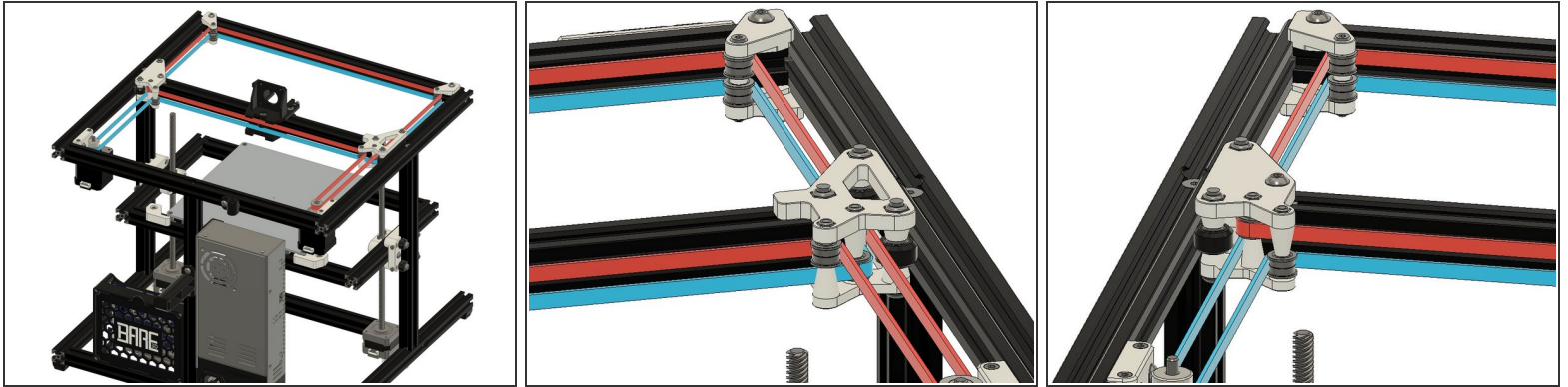
- Insert belt through belt lock

- Fold belt back on itself so teeth interlock

- Slid belt lock over end of belt

## Step 4 — Attach Belts to Belt Pin and Insert Belt Pin Into Print Carriage
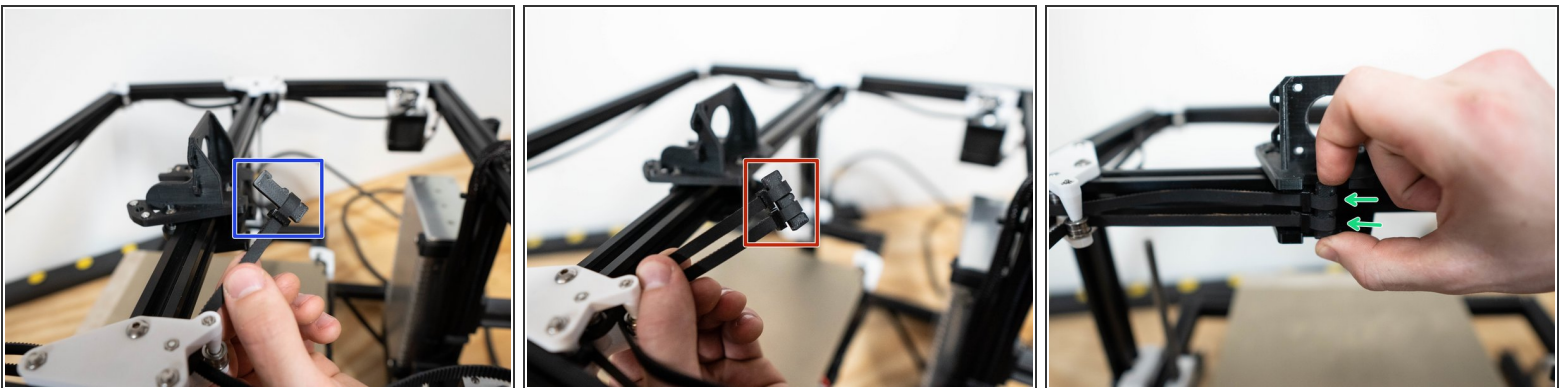
- Attach lower belt to belt pin

- Attach upper belt to belt pin

- Insert belt pin into print carriage

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Step 5 — Belt paths

ⓘ Top belt is shown as red and bottom belt is shown as blue in models

ⓘ Feed each belt along the paths as shown

Step 6 — Attach Other End of Belt
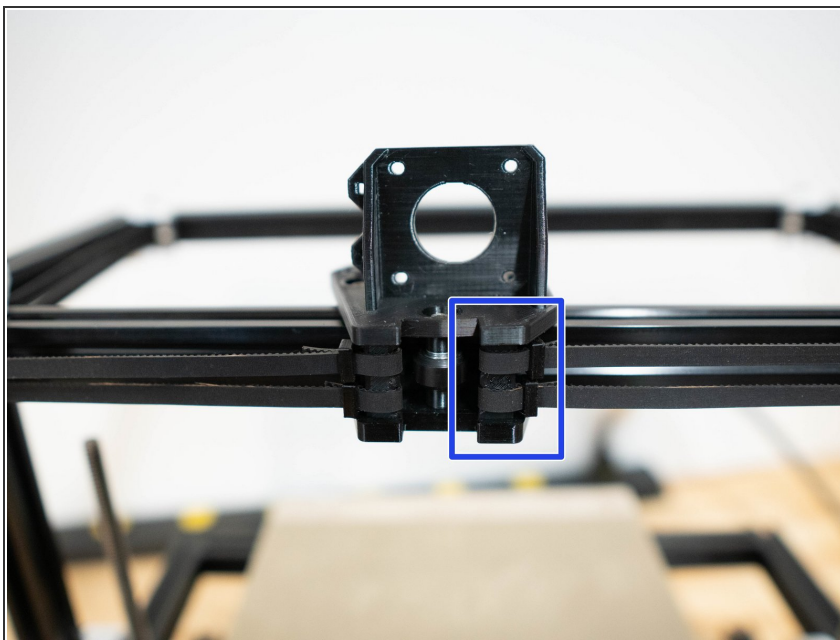
ⓘ After feeding belts through belt path fasten belts to belt pin with belt locks like we did earlier in step 3 and 4

● Feed belt pin into slots on right side print carriage

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Step 7 — Tension Belt
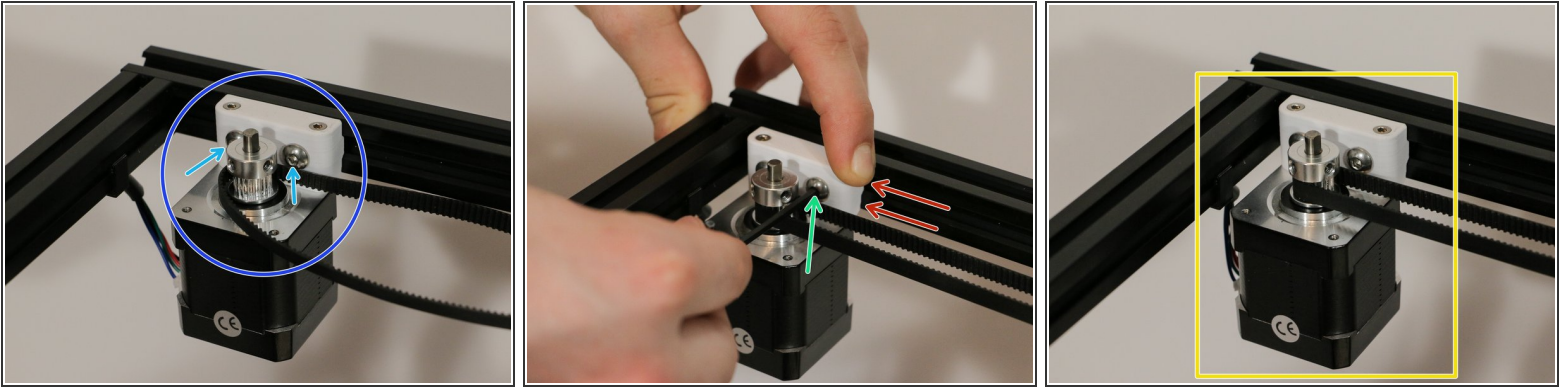
- Make sure screws are loose enough that the motor assembly can slide

- Place belt around pulley

- Slide motor back applying tension to belt

- ⓘ Tip: belts should be taught but not excessively tight

- While applying tension to belt, tighten motor mount

- Tight motor mount with tensioned belt

- ⓘ **Same process for top and bottom belts**

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