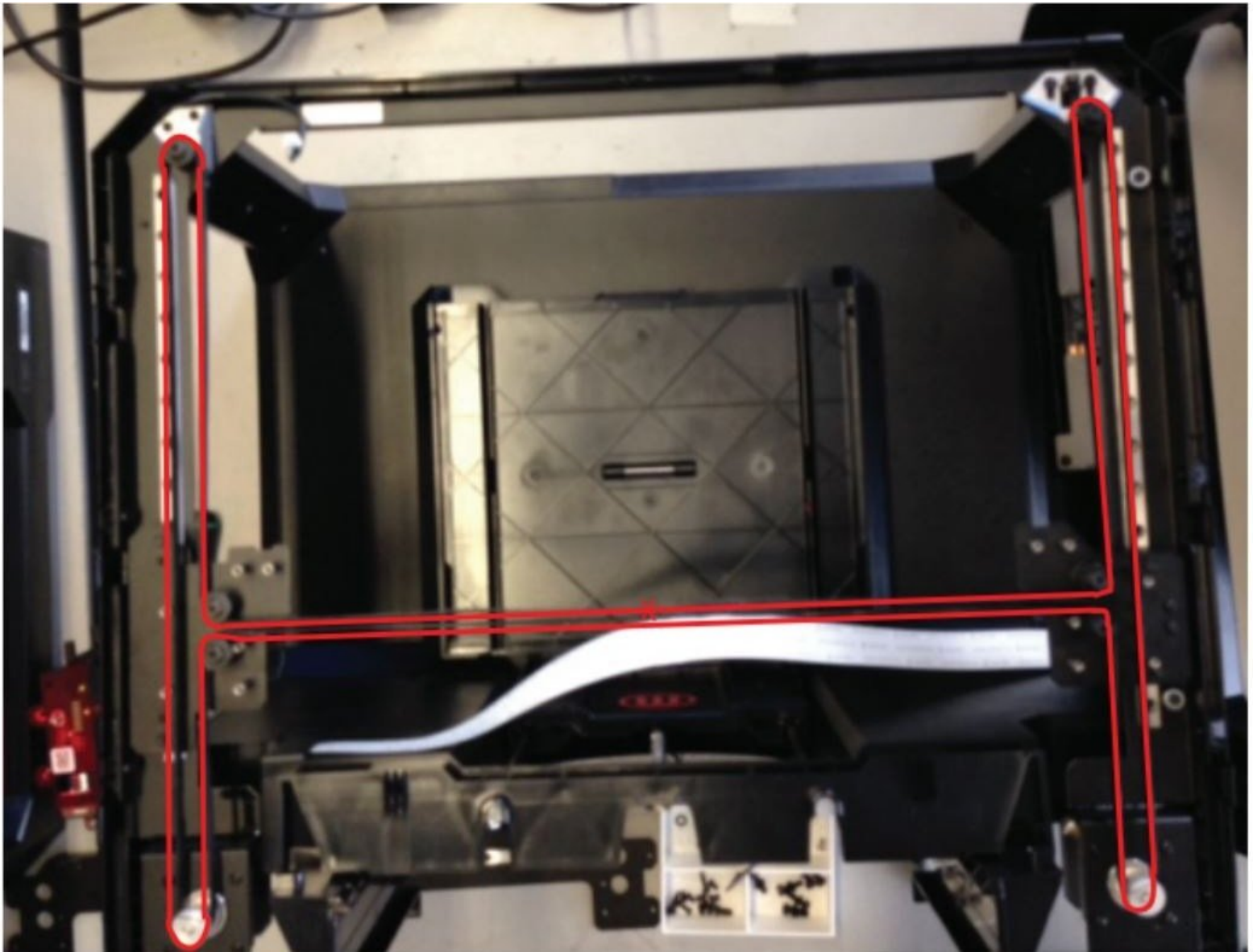




# 5th Gen Belt Replacement

How to replace the belt on a 5th gen printer in case of layer shifting.

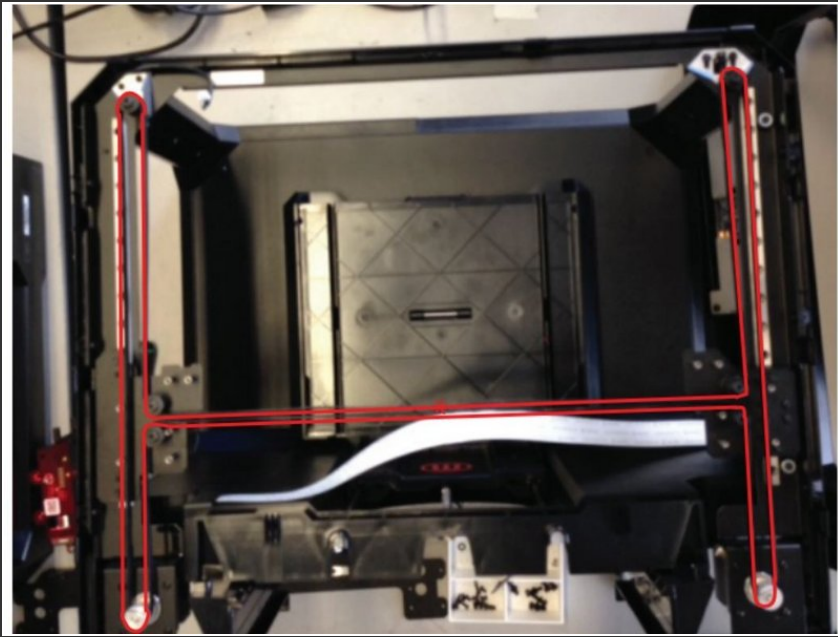
**Written By: Rachel Elizabeth Hughes**



## Introduction

In this guide, you will review on how to remove and replace the belt on a Makerbot 5th Gen printer. You will look over a repair guide PDF available on the team drive. The purpose in reviewing this document is to gain a general understanding of the steps involved, not necessarily a working understanding just yet.

## Step 1 — Intro to Belt Replacement



- Each printer has a rubber belt inside that is responsible for moving the gantry in the X and Y axis. When the belt gets worn down, it skips out of alignment, resulting in a layer shift.
- We can check the belt tension by reaching into the printer through the top and slightly tugging on the rubber belt present on one side or the other. There should be very little slack in it.
- The picture shows the aerial view of the printer with the top and gantry removed. The red "H" outline dictates the pathway of the belt throughout the printer.

## Step 2 — Replacement Instructions

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### Troubleshooting and Repair Instructions

MakerBot Fifth Generation 3D Printers

- Open this link to the [troubleshooting and repair instructions](#) which contains the steps you will take to replace the belt on a 5th Gen. Please read through pages 33-38 of the PDF.

 Please keep in mind this is meant to convey the general information on belt replacement, there is a better, more specific, MIC-made repair manual located in the MIC that you can and should refer to in person should you need to repair a printer.