



Koosh Vortex Tornado Loading Spring Replacement

If your Koosh Vortex Tornado is not shooting as...

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INTRODUCTION

If your Koosh Vortex Tornado is not shooting as far as you would like, use this guide to replace the loading spring inside of the toy gun. The loading spring is used in the firing mechanism by priming the spring with the priming handle and releasing the spring using the trigger, pushing the projectile out at high speed.

Before using this guide, make sure that you have a replacement spring ready. The resistance of the spring is up to you. You can either replace the spring with the same spring but only newer, or choose to upgrade to a stronger spring that can shoot farther, but it can risk breaking the toy gun.

TOOLS:

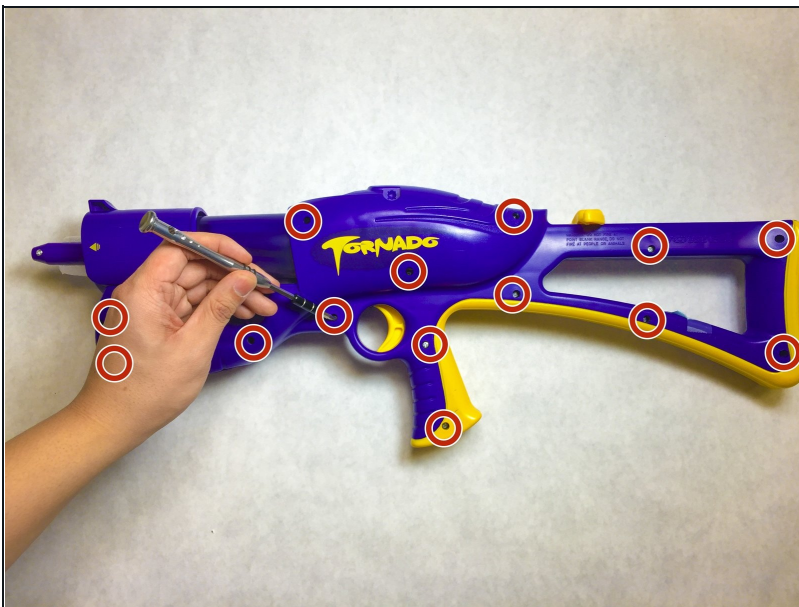
Phillips #1 Screwdriver (1)

Spudger (1)

Plastic

Metal Spudger is preferred

Step 1 — Barrel Shield Spring



- Remove the fourteen 15 mm Phillips #1 screws on the side of the body.

Step 2



- Pull the halves of the toy gun apart to show the inside. Set the left half aside (all of the inside components are on the right half).

Step 3



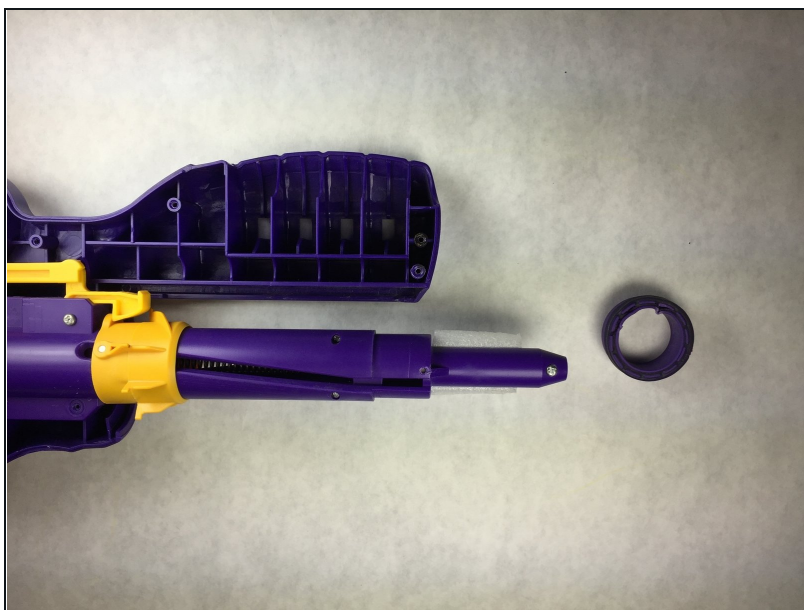
- Using a spudger, unhook the barrel shield's spring from the right half of the toy gun. One side should still be connected to the shield barrel shield.

Step 4 — Trigger



- Slide the barrel shield and shield slide off of the gun and set aside.

Step 5



- Slide the rubber ring off of the barrel and set it aside.

Step 6



- Lift the yellow trigger from its pin and set aside.

Step 7 — Loading Spring



- Use a Phillips #1 screwdriver to unscrew the two 12 mm long washer head screws from the yellow loading bar lever.

Step 8



- Lift the yellow lever bar out of place and set aside.

Step 9



- Use a Phillips #1 Screwdriver to unscrew the six 10 mm long screws from the central firing assembly.
- Use Phillips #1 Screwdriver to unscrew the four 9 mm long screws from the central firing assembly.

Step 10



- Pull the shell of the central firing assembly aside off (contains the loading spring).

Step 11



- Open the back side of the central firing assembly apart to expose the loading spring. Remove it, and change it with your desired spring.
- ⓘ The two sides cannot be fully separated due to a pin holding the yellow collar tightly together.

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