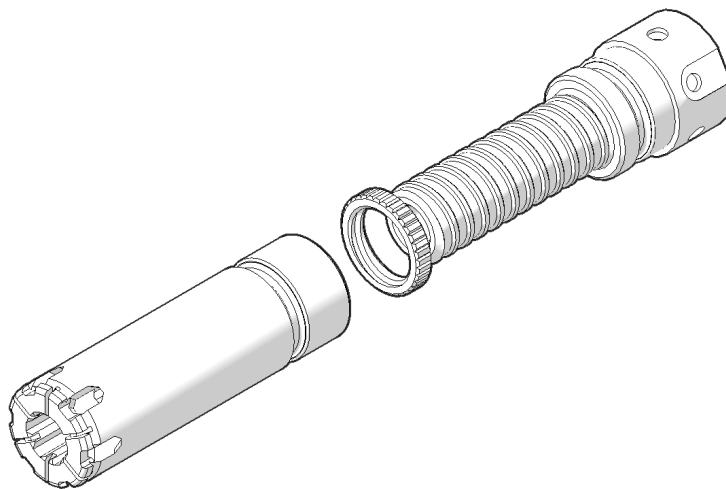
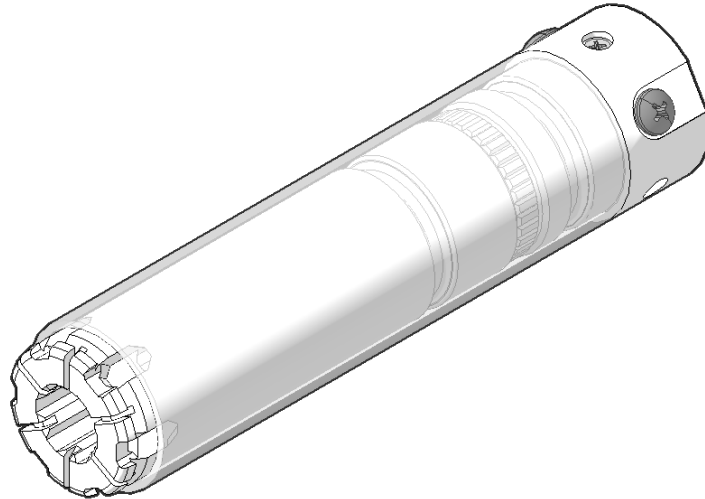


Nerf Caliburn – SCAR Barrel Kit Instructions – 06/27/18

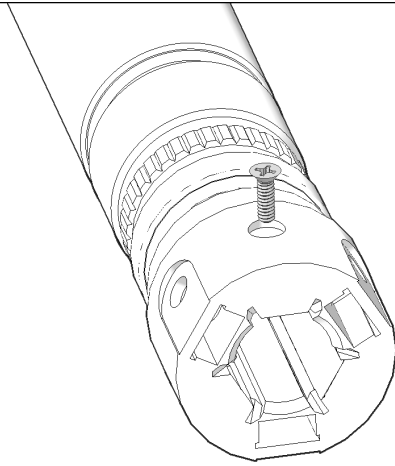
Supplies: Printed Parts, 0.25mm fishing line, 10-32 x 1/4 screws, 4-40 screws, 2 o-rings (optional), length of polycarbonate tubing (optional).

Tools required: Scissors, Philips Screwdriver, Slotted Screwdriver, ample amount of light to see what you are doing, a cool looking hat.



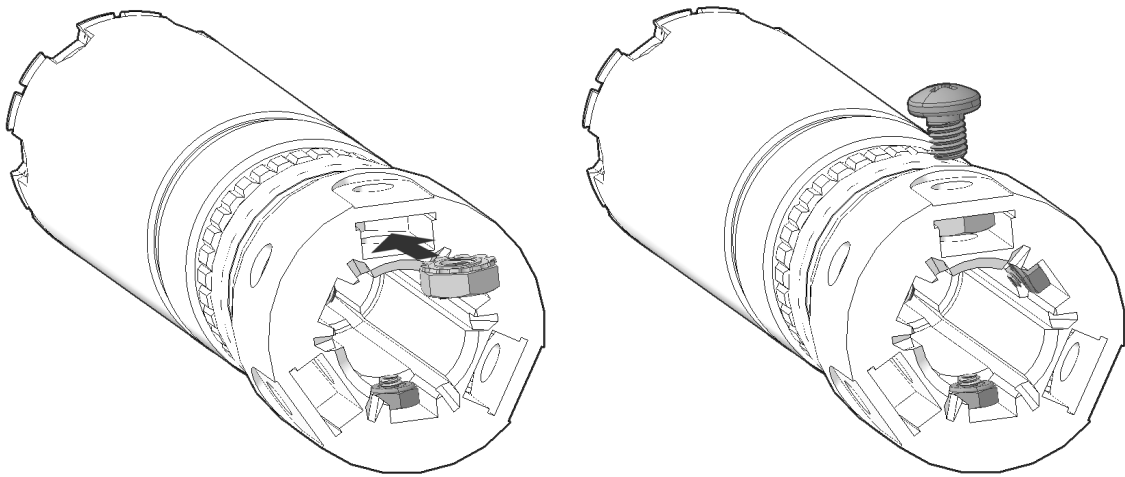
Screw the small “Heath Nut” onto the back half of the SCAR assembly. If it fits too tightly unscrew it and file the inside with a round needle file until it works smoothly/loosely.

Screw the front half of the SCAR assembly onto the back half. Do the same touch-up with a round file if it also fits too tightly.



Using a Philips Screwdriver drive a 4-40 screw into one of the countersunk holes at the back of the back half. Stop before it pushes into the inside of the part.

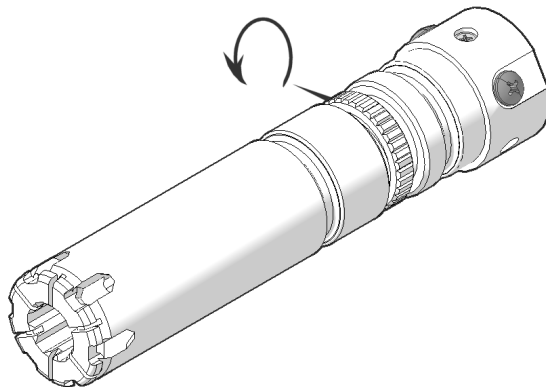
Repeat the process until there is a screw in all three.



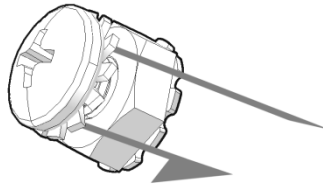
A: Slide a hex nut into the slots in the rear of the base. The nested lock-washer should face toward the screw hole.

B: Feed a screw in through the hole and tighten it into the hex nut.

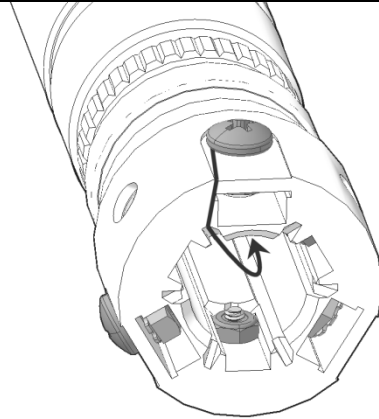
C: Repeat for the next two slots.



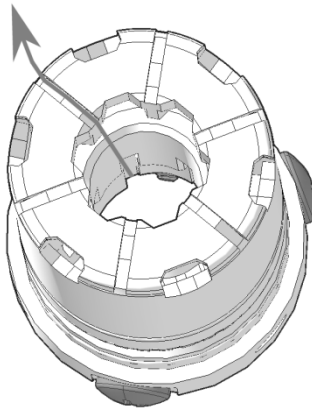
Set the front half at your desired assembled length. Turn the small "Heath Nut" into the back of the front half of the SCAR barrel to lock its location.



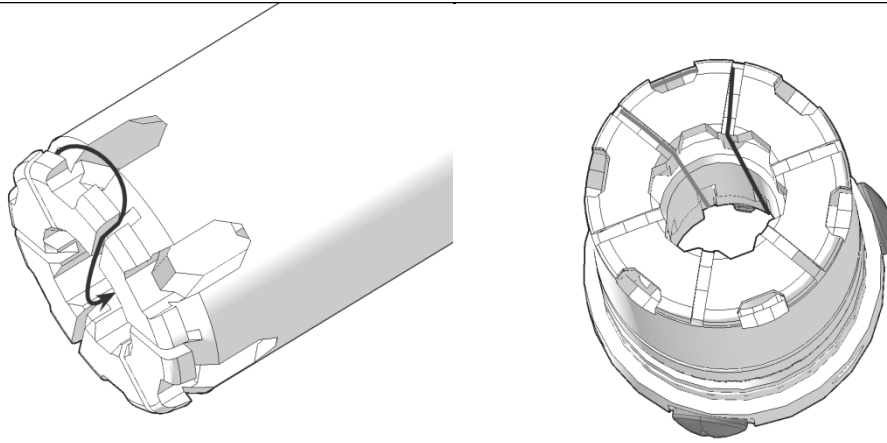
- A: Use Scissors to cut three 24 inch long pieces of fishing line.
B: Use one of the spare 10-32 screws and hex nuts to add a weight to the end of one of these length of fishing line.



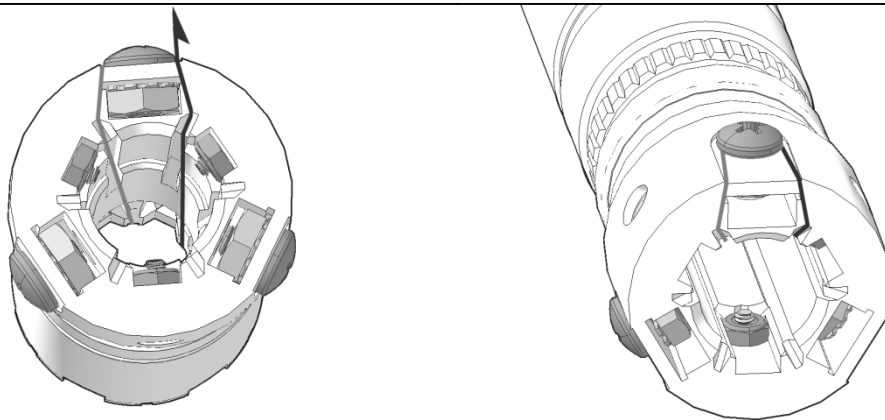
- A: Loosen one of the larger screws and put the end of one of those lengths under its head
B: Tighten it again to clamp down on the line.
C: Feed the rest of the line out through the small cutout in the back of the base.



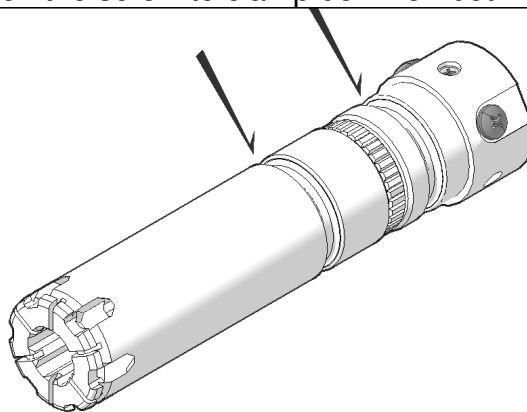
- A: Use the weighted end to fish the free end through the inside of the SCAR barrel and out the opposite end toward the front.
B: Run the fishing line through the slot at the end of the SCAR barrel



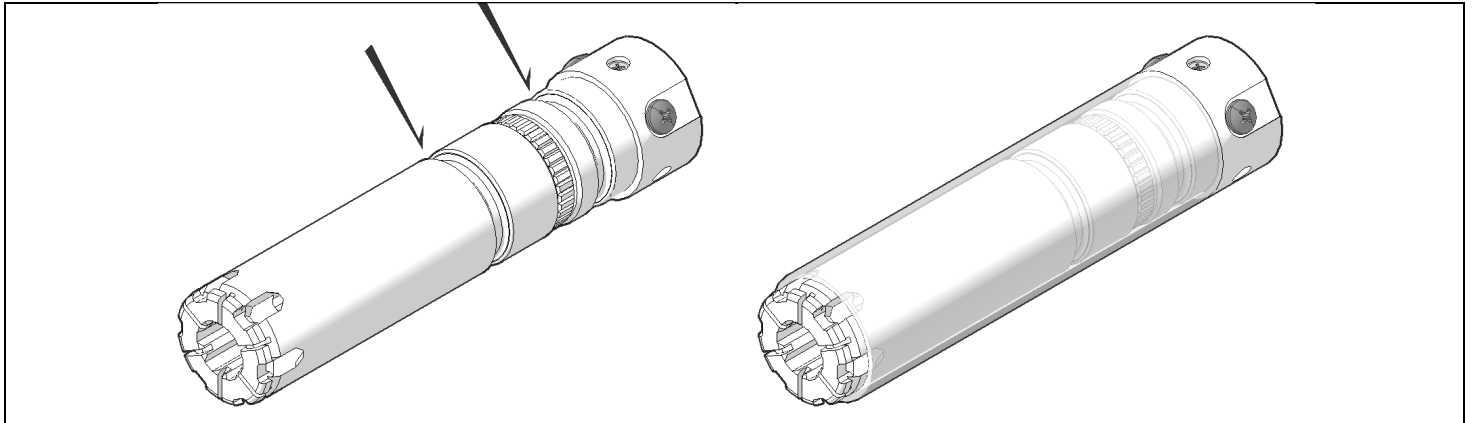
- A: Feed the free end up and around a set of cleats at the front end of the SCAR barrel.
 B: Feed the free end over and into the next slot and back out the front end of the front half.
 C: Use the weighted end to go through the inside of the SCAR barrel and out the opposite end toward the back as shown.



- A: Feed the free end through the next slot in the base and then pull it towards the screw.
 B: Loosen the Screw and pull both ends of the fishing line tight, then put both under the head of the screw. You can wrap them around it once if there's enough available excess length.
 C: Tighten the screw to clamp down on both free ends.



- A: Repeat the process with the two other lengths of fishing line.
 B: To make small adjustments to the twist of the strings loosen the small "Heath Nut" away from the front half, then adjust the front half, and retighten the small "Heath Nut" into it again.
 C: Wider adjustments to the twist may require removing the free ends from under the large screws at the back, then retightening them after you finish repositioning the front half.



A: If you want to install a protective polycarbonate cover onto your SCAR barrel add large Dash 123 O-rings to the undercuts indicated above.

B: Slowly work the polycarbonate tube onto the SCAR assembly from the front and over the o-rings. Slide the finished SCAR barrel onto the muzzle of your blaster barrel until it bottoms out on it.

Use a Philips screwdriver to tighten all three of the 4-40 screws which will clamp down on the barrel.

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