

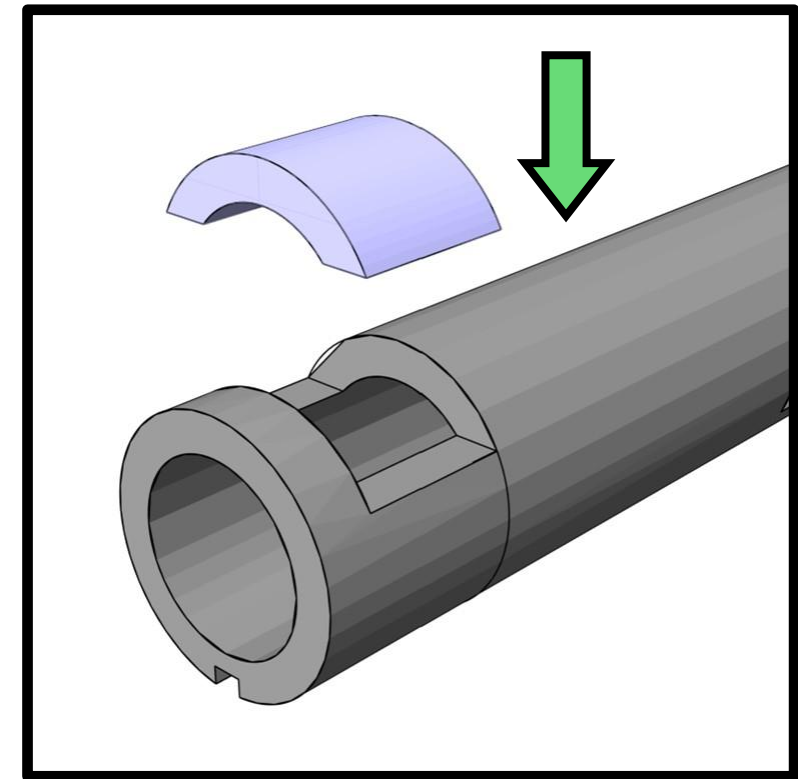
Installation Manual

Prometheus Rotary Chamber - TDC Top-Down-Center Trolley (For the best Hop, R-Hop, & Flat-hop)



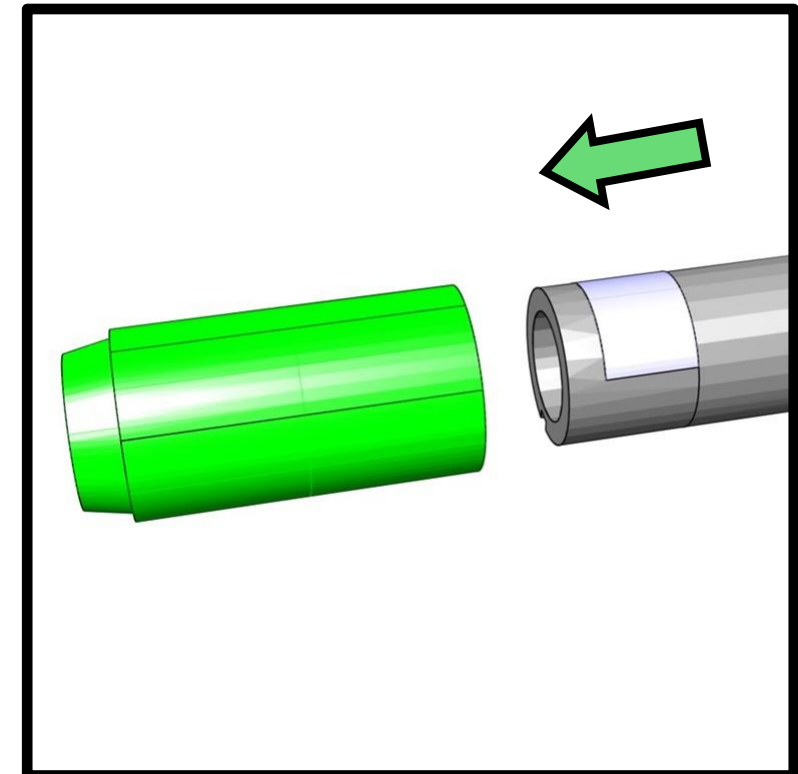
D1. Install the RHOP patch into the Inner barrel. Some reputable brands includes Psionic, Elvish and Silent Sniper that are good for performance and offers many sizes for different barrel brands and models.

Alternatively, at this stage you can install a RHOP bucking. Brands like Tru-hop and Maple Leaf Macaron are recommended.



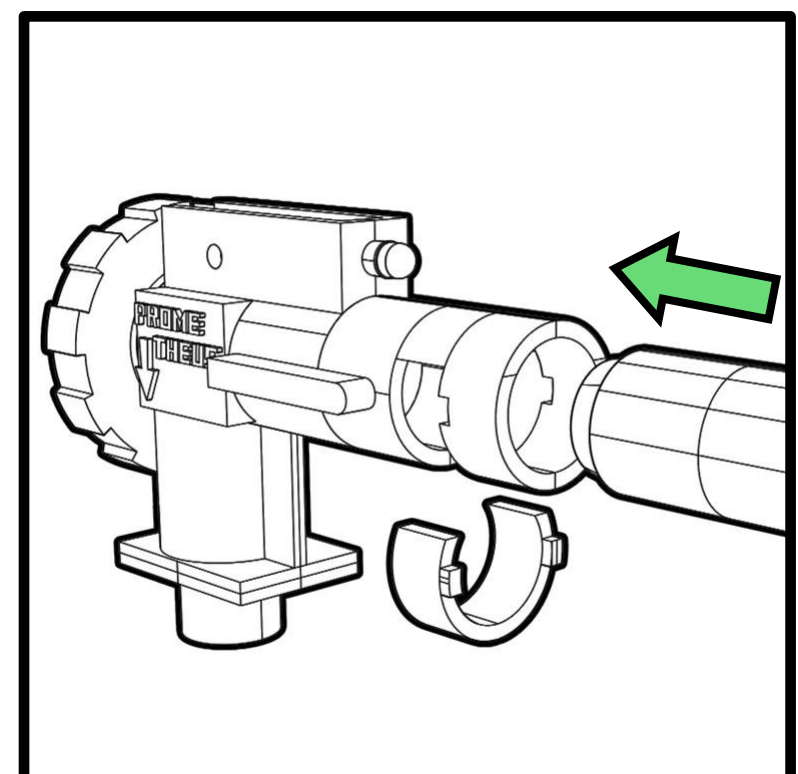
D1

D2. Insert the bucking – ensure this is a mound less bucking. Brands like Prometheus and Modify offers such buckings.



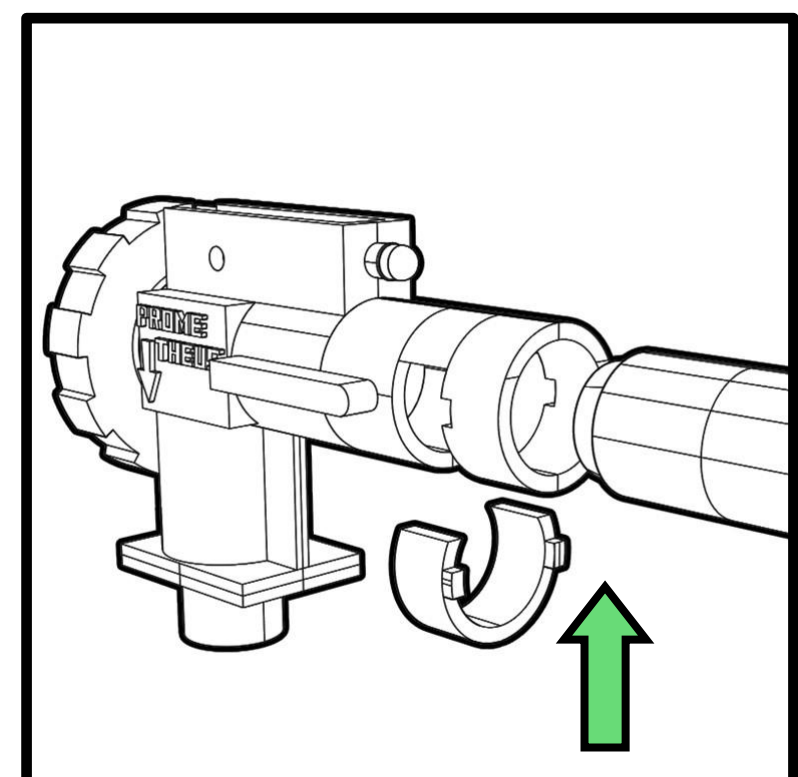
D2

D3. Insert the barrel set up in the hop-up chamber. Apply some silicone grease on around the bucking so it can slide in easily.



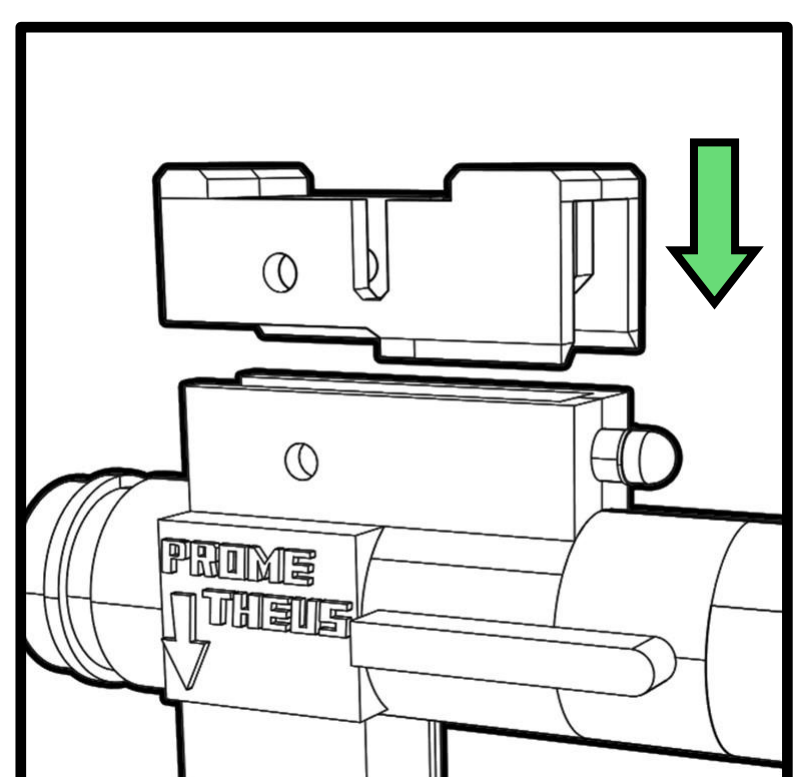
D3

D4. Install the Maxx C-clip. This will keep your inner barrel centered.



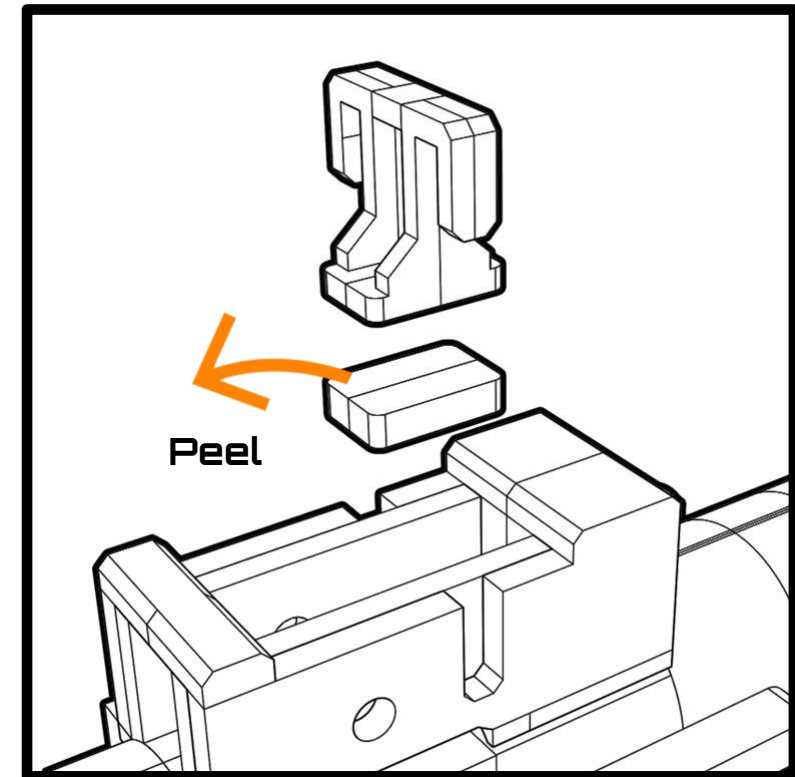
D4

D5. Install the TDC Bracket onto the hop up chamber



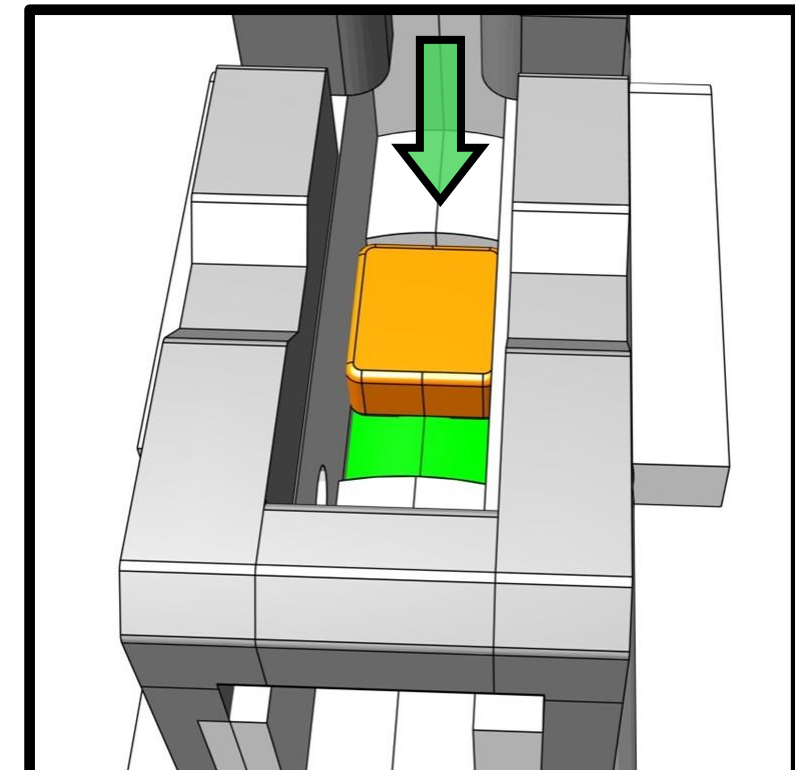
D5

D6. Remove 3M sticker on the top of the Mnub. Next apply silicone grease all around the Mnubs and bottom.



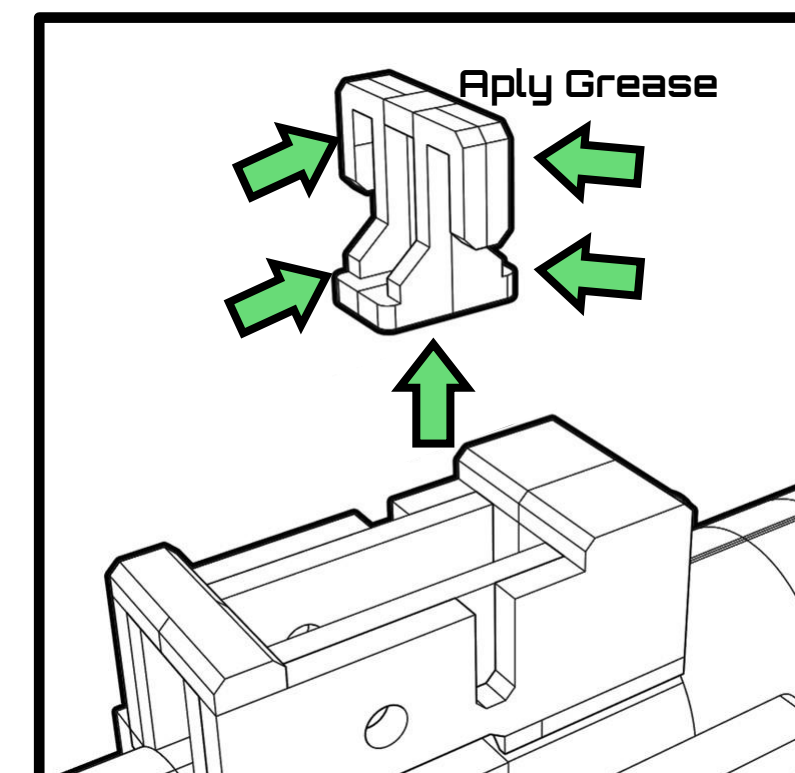
D6

D7. Place the M-nub into the hop-up window inside the chamber and ensure that its centered and directly above where the RHOP patch is.



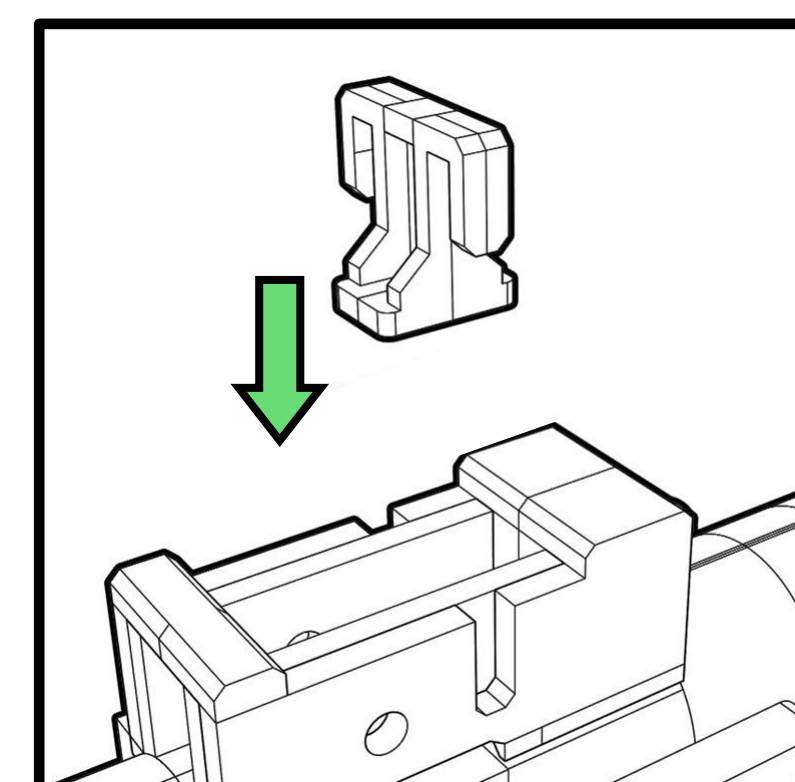
D7

D8. Apply silicone grease on all the surfaces that will come in contact with each other or the TDC operation. All vertical surfaces should be applied.



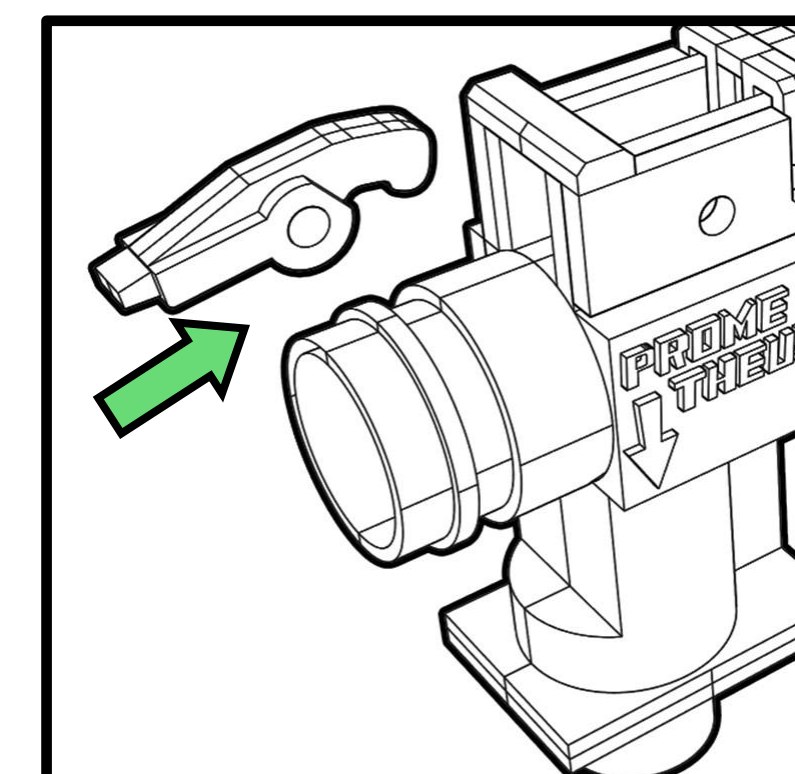
D8

D9. Install the TDC Trolley into the Bracket.



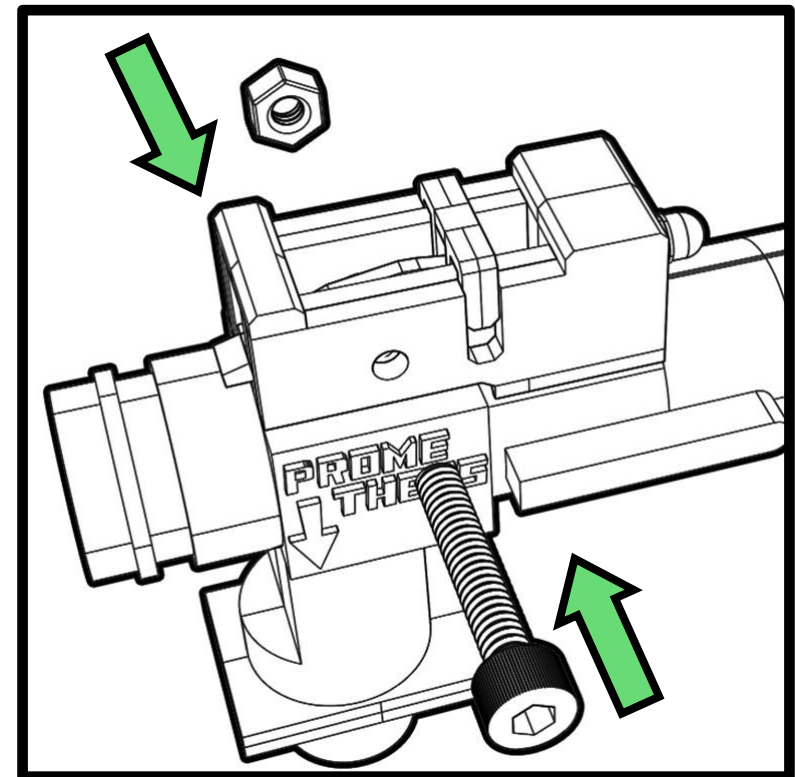
D9

D10. From the back of the hop up unit install the Adjustment arm.



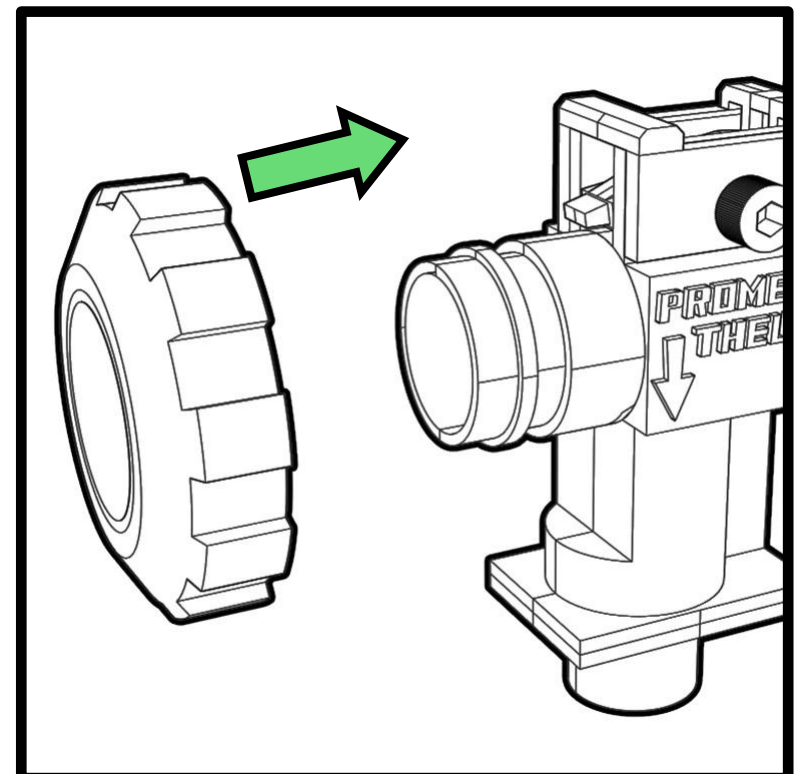
D10

D11. Insert the bolt and screw to lock the TDC system. Make sure its firm, but do not over do the tightness.



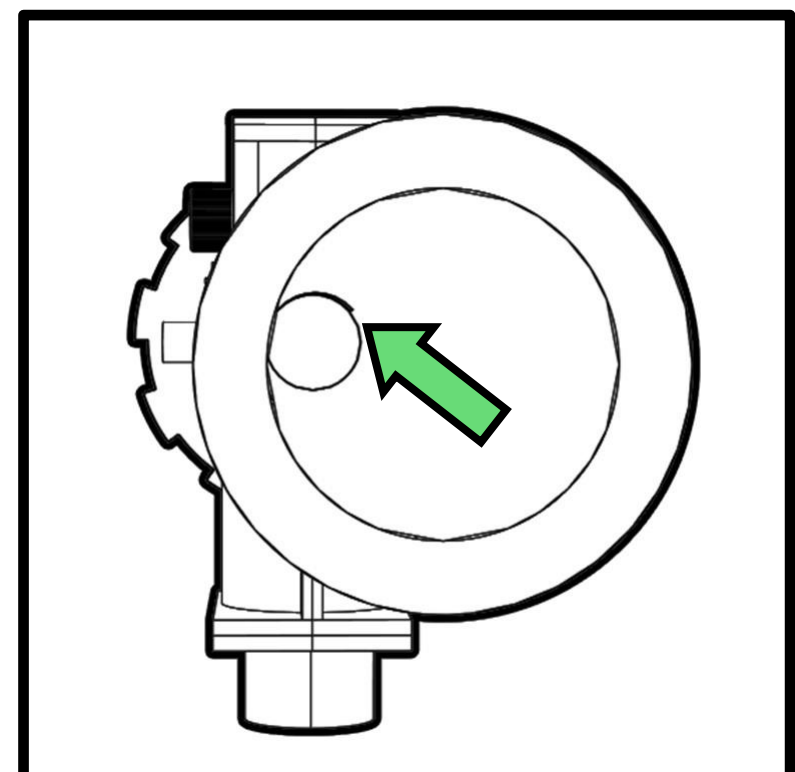
D11

D12. Install the stock adjustment wheel back to the hop up unit. It will control the newly installed hop up arm now.



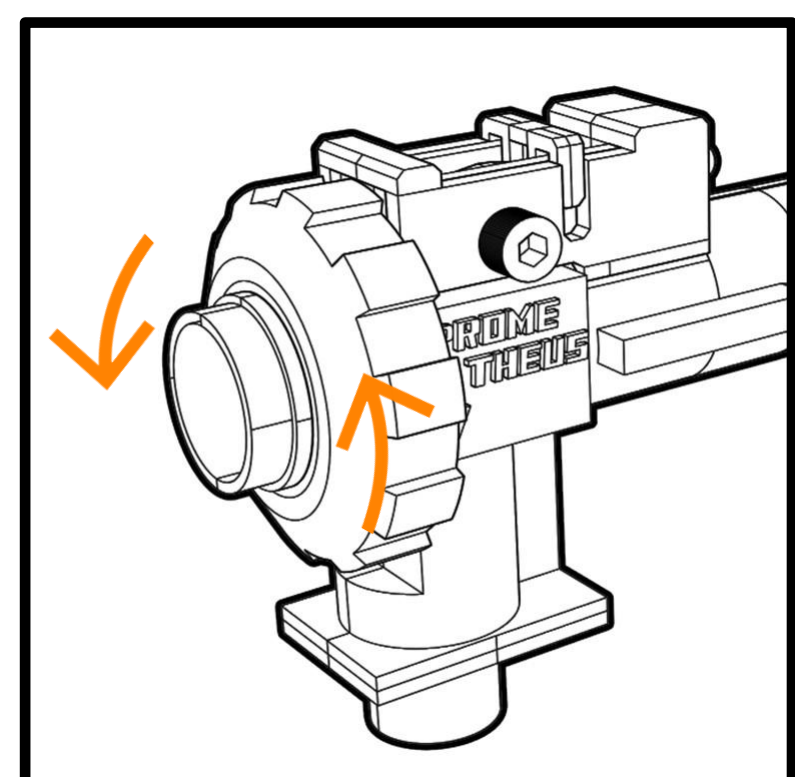
D12

D13. Take a look inside the inner barrel when the hop is at neutral zero. There should not be a mound protruding from the top.



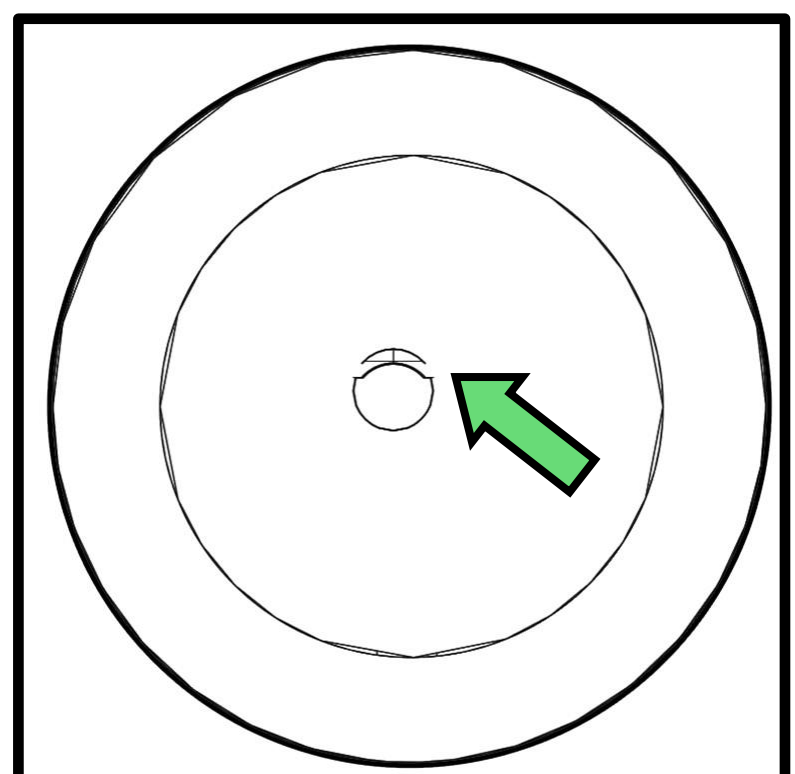
D13

D14. Twist the dial to apply some hop.



D14

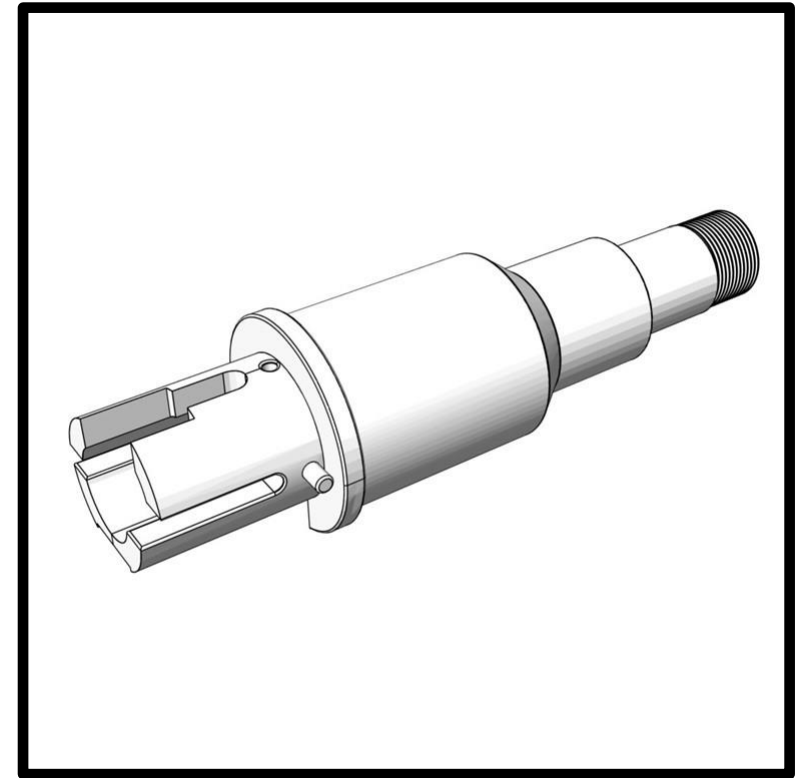
D15. You should be able to see the RHOP patch protruding from the top. That is the indicate the RHOP system is working correctly.



D15

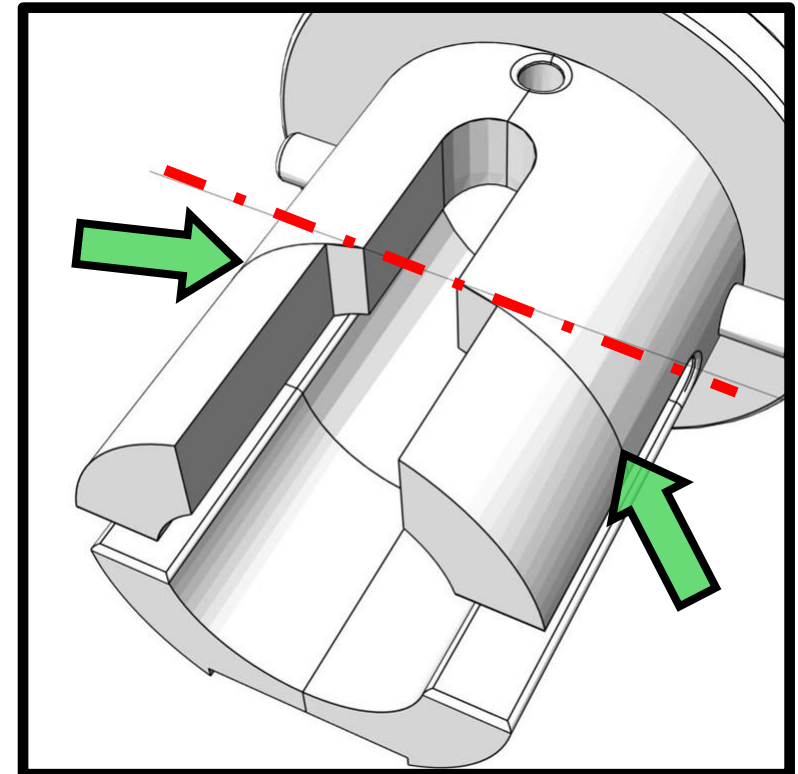
PART B MODIFYING THE OUTER BARREL

D16. The outer barrel needs to be modified in order for the TDC Converter kit to fit. You will need to remove the outer barrel from the handguard. Depending on which model it is usually straight forward to take out. Some screws on the handguard and a grub screw inside.



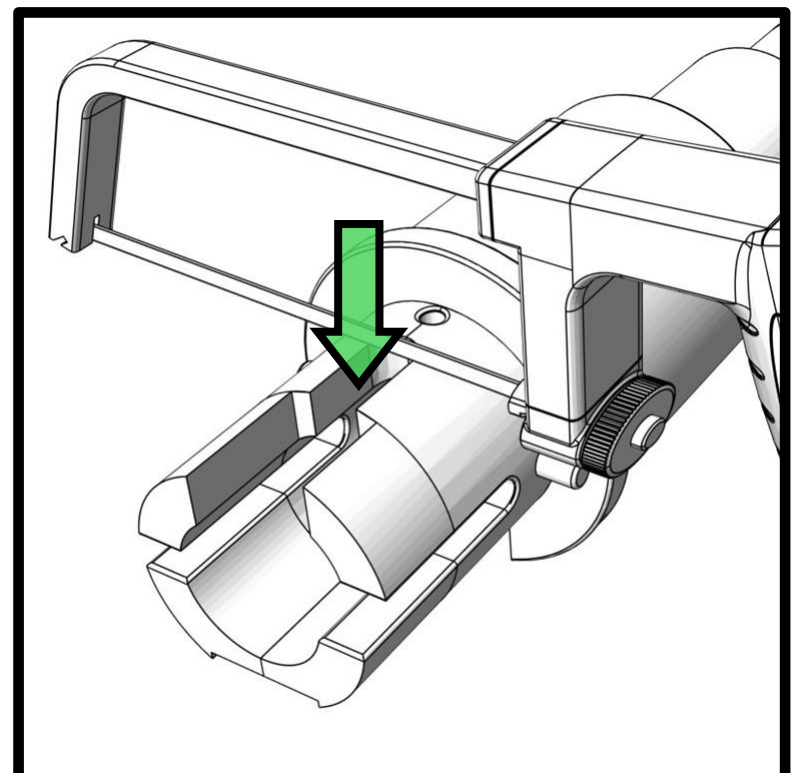
D16

D17. locate the back part of the outer barrel. The top part is what needs to be modified. See diagram you can see the line we draw at the end of the "U" section. You will need a hacksaw to cut this part off clean. Use a pen or pencil to draw the line on the outer barrel as your guide.



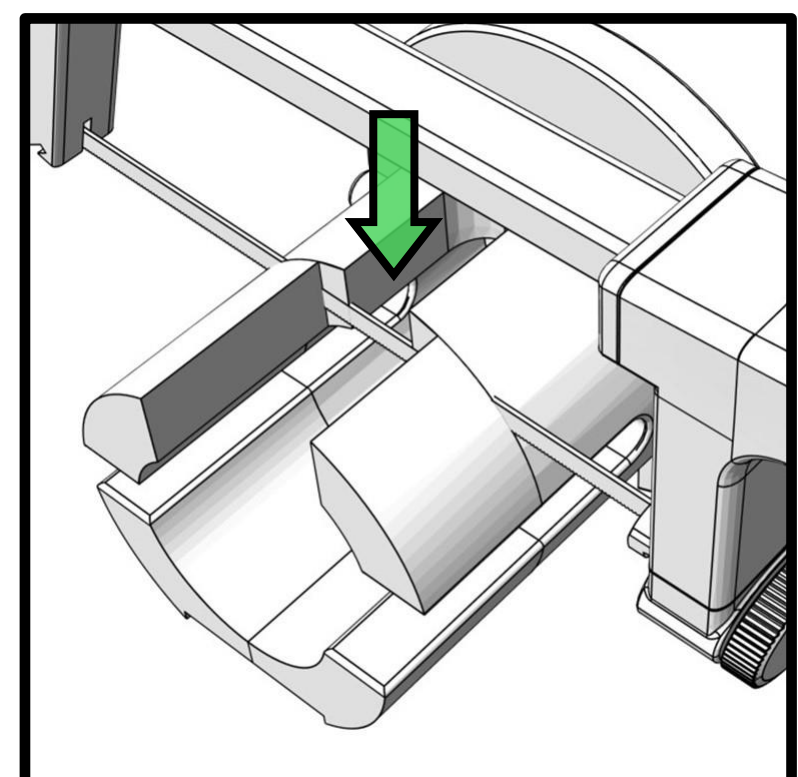
D17

D18. Take a hacksaw or cutting tool and cut both ends of that top part of the outer barrel.



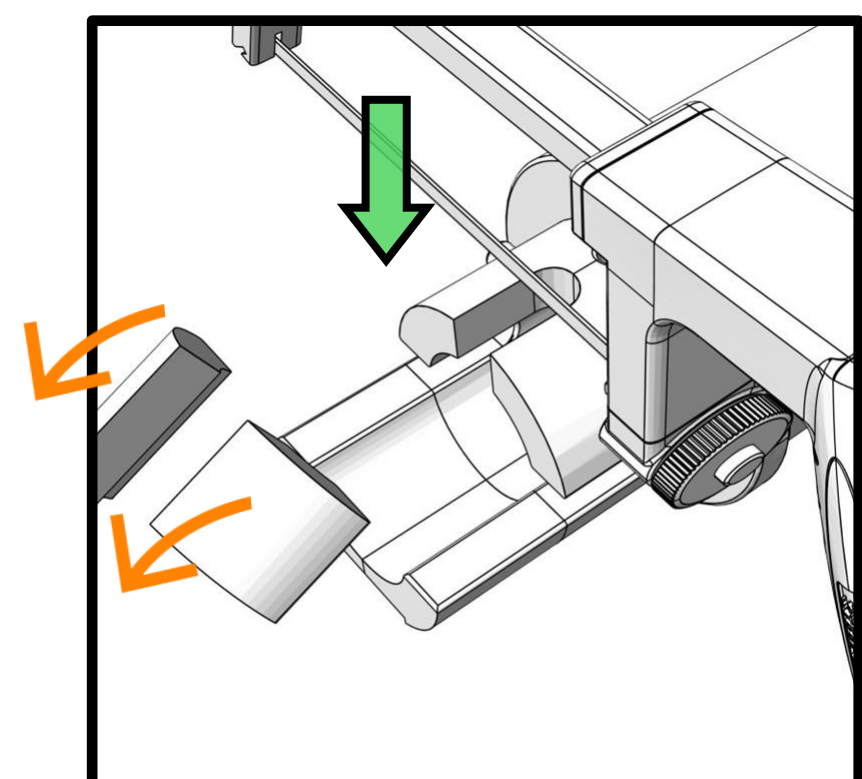
D18

D19. Ensure you cut on a straight line as much as possible.



D19

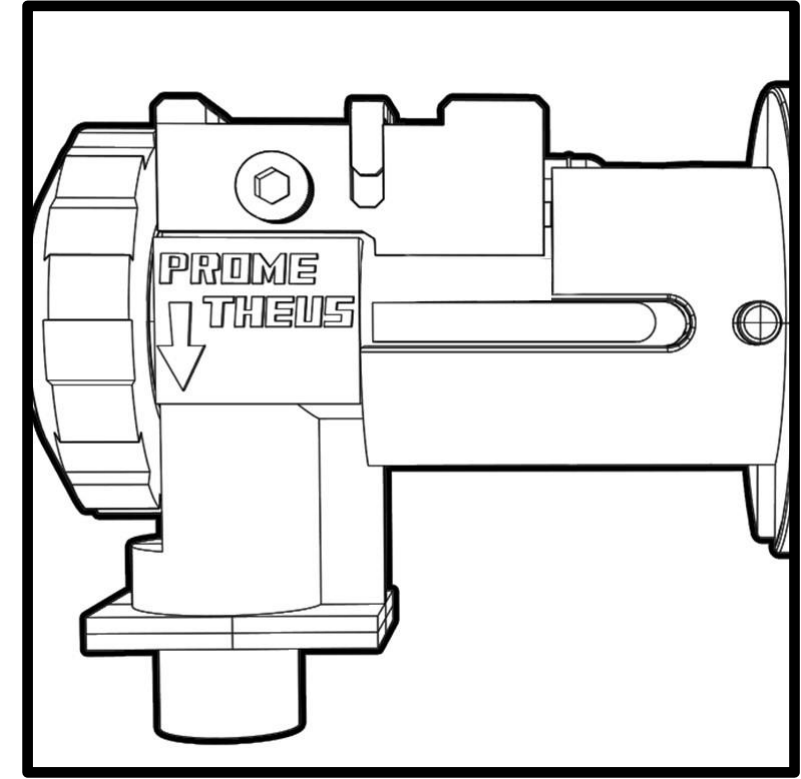
D20. Once the both parts are off. Sand down the sharp parts and burs that remain on the metal and smoothen it down.



D20

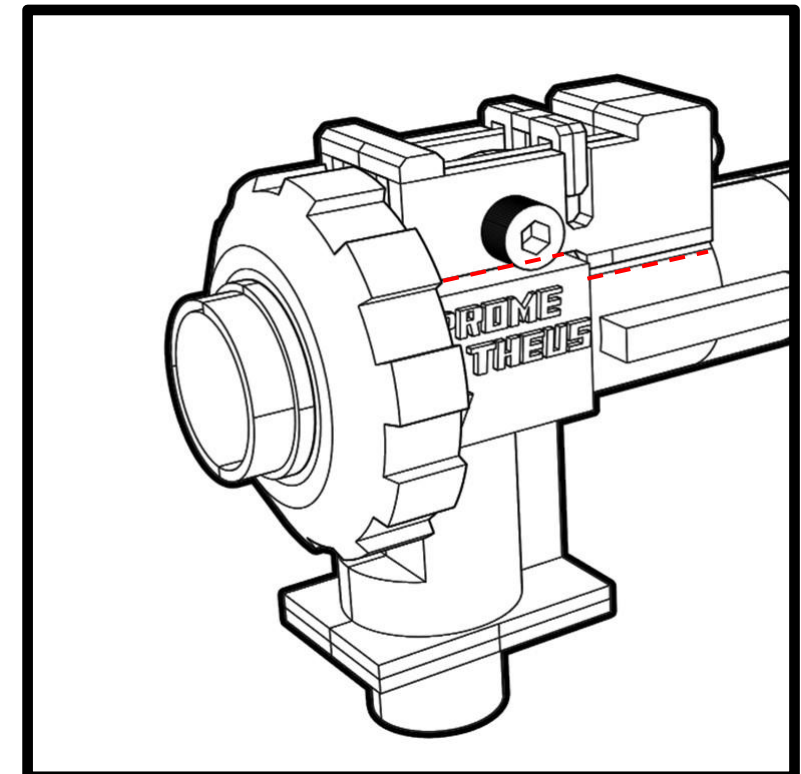
021. Take your TDC converter and insert into the outer barrel for testing.

If all is well, re-assemble the outer barrel to the handguard.



021

022. Once you happy with the setup we do recommend that you superglue/ Loctite the bracket onto the chamber. Only a little is required on the foot of the bracket against the chamber for both sides. You can use the zip tie to hold it down. The drying process may take a few hours depending on the glue used. Zip tie is firm and glue it on. See the Red dotted line in the diagram.



022

Great job installing the Advanced TDC converter kit on your Prometheus Chamber

If you run into any issues during the setup process, please don't hesitate to reach out to our technical support team using the email provided. We're here to help you get your hop up chamber dialed in just right. Be sure to provide as much detail as possible about any problems you're facing, and we'll work with you to get everything sorted out.

Let me know if you have any other questions!
info@airtechstudios.com

Airtech Team