



3D PRINTED “ANH” E-11 BLASTER UBER MODEL KIT INSTRUCTIONS



3D PRINTED E-11 BLASTER UBER MODEL KIT

Congratulations on purchasing the finest American made 3D printed plastic model of the ANH E-11 Blaster!

All parts are 3D printed using ABS plastic. Pictures featured in the instructions may be prototype parts.

Personal Protection Equipment (PPE) is highly recommended. Sanding plastic creates a fine dust which if breathed into the lungs, is not healthy. The dust can also get in your eyes. Use a mask and goggles when sanding parts and always work in a well ventilated area. Plastic dust can get everywhere!

INVENTORY

Open your big bag and lay out the contents. There will be a small bag inside the large bag containing smaller parts. Check off items on the parts list to make sure you have all the parts. If you are missing parts, parts are broken, or have printing errors, email: rayabear@hotmail.com. The parts list is color-coded by model version. *DO NOT REMOVE PRINTED TABS OR EXCESS MATERIAL UNTIL INSTRUCTED.*

- | | |
|---------------|--|
| ★ UBER BASE | Basic blaster kit with no Hengstler Counter or Power Cylinders |
| ★ UBER HERO | Basic blaster kit plus Hengstler Counter and Power Cylinders |
| ★ UBER DELUXE | Same as Hero version, plus includes Electronics Package |



SUPPLIES LIST

You will find the following items very helpful in completing your blaster.

- Power Detail Sander
- Sand Paper, self adhesive. 100-220 grits. Several sheets of each.
- Craft Sticks (popsicle sticks) to make sanding sticks (adhere sandpaper to the sticks).
- Small files (metal files in different widths).
- Cyanoacrylate Glue (Gel works well).
- Dust Mask (do not breath plastic dust, it's not good for you).
- Eye protection (goggles—to protect from plastic dust).
- Needle nose pliers.
- Dental/metal picks.
- Exacto knife.
- Standard screw driver.
- Rag or small cloth towel.
- Spray paint (Black & Metallic Silver).



Parts List



- ___ #BL1: Front Barrel Section
- ___ #BL2: Middle Barrel Section
- ___ #BL3: Rear Barrel Section
- ___ #BL4: Bolt
- ___ #BL5: Bolt Spring
- ___ #BL6: Bayonet Lug
- ___ #BL7: Charging Handle
- ___ #BL8: Muzzle Tip
- ___ #BL9: Beach Lock
- ___ #BL10: Flash Guards (qty: 2)

- ___ #SC1: Scope Rear Body
- ___ #SC2: Scope Front Body
- ___ #SC3: Scope Eye Ring (rear)
- ___ #SC4: Scope Lens Ring (front)
- ___ #SC5: Scope Alignment Ring
- ___ #SC6: Scope Mounting Rail
- ___ #SC7: Scope Screws (qty: 3)

- ___ #SB1: Front Sight Guard
- ___ #SB2: Front Sight Block

- ___ #RS1: Rear Sight Block
- ___ #RS2: Rear Sight

- ___ #GR1: Grip
- ___ #GR2: Trigger Assembly Left
- ___ #GR3: Trigger Assembly Right
- ___ #GR4: Trigger Guard
- ___ #GR5: Selector Switch
- ___ #GR6: Selector Switch Pin
- ___ #GR7: Trigger
- ___ #GR8: Switch Spring

- ___ #MZ1: Magazine Ammo Clip
- ___ #MZ2: Magazine Well
- ___ #MZ3: Ammo Clip Release
- ___ #MZ4: Magazine Alignment Peg
- ___ #MZ5: Magazine Release Pin

- ___ #TT1: T-track tops (qty: 6)
- ___ #TT2: T-track rails (qty: 6)

- ___ #EC1: Outer End Cap
- ___ #EC2: Inner End Cap
- ___ #EC3: D-Ring
- ___ #EC4: Mounting Disk
- ___ #EC5: Mounting Block Back
- ___ #EC6: Mounting Block Front

- ___ #FS1: Shoulder Rest
- ___ #FS2: Support Rod
- ___ #FS3: Wishbone
- ___ #FS4: Stock Arm
- ___ #FS5: Stock Barrel Mount
- ___ #FS6: Mounting Shoulders (qty2)
- ___ #FS7: Plunger
- ___ #FS8: Stock Spring
- ___ #FS9: Stock Locking Tab

★ ★ HERO & DELUXE Model include:

- ___ #PC1: Power Cylinders
- ___ #PC2: Cylinder Caps (qty: 2)
- ___ #PC3: Wire Coils (qty: 2)
- ___ #PC4: Wire Connectors (qty: 2)

- ___ #HC1: Hengstler Top
- ___ #HC2: Hengstler Middle
- ___ #HC3: Hengstler Bottom
- ___ #HC4: Hengstler Brackets (qty: 2)
- ___ #HC5: Counter Reset Button
- ___ #HC6: Reset Button Spring
- ___ #HC7: Sonic Plate
- ___ #HC8: Mounting Plate
- ___ #HC9: Sonic Receptor

Screws & Roll Pins



- ___ Slotted Screws - Silver (qty 2)
- ___ Allen Screws - Black (qty 2)
- ___ Beveled Screws (qty: 2)
- ___ Long Roll Pin
- ___ Short Roll Pin



Screws



Roll Pins

★ DELUXE Model also includes:

- ___ Speaker Assembly
- ___ LED Assembly
- ___ Switch and Power Pack
- ___ spare LED holders (qty: 2)

Parts Identification Gallery



#BL1: Front Barrel Section



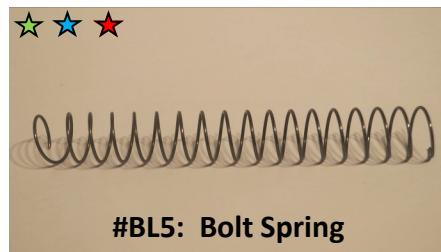
#BL2: Middle Barrel Section



#BL3: Rear Barrel Section



#BL4: Bolt



#BL5: Bolt Spring



#BL6: Bayonet Lug



#BL7: Charging Handle



#BL8: Muzzle Tip



#BL9: Breach Lock



#BL10: Flash Guards



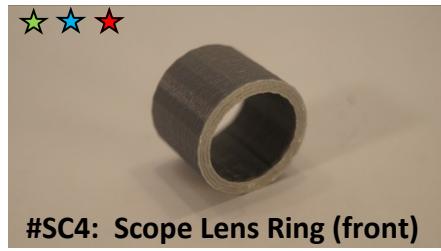
#SC1: Scope Rear Body



#SC2: Scope Front Body



#SC3: Scope Eye Ring (rear)



#SC4: Scope Lens Ring (front)



#SC5: Scope Alignment Ring



#SC6: Scope Mounting Rail



#SC7: Scope Screws (qty: 3)



#SB1: Front Sight Guard



#SB2: Front Sight Block



#RS1: Rear Sight Block

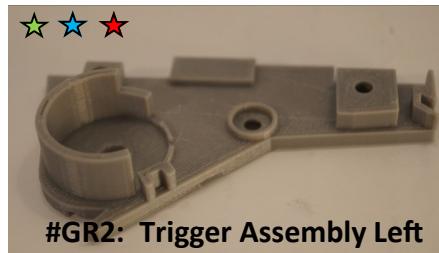


#RS2: Rear Sight

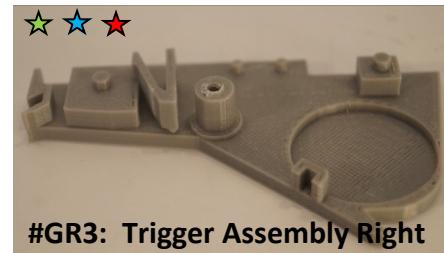
Parts Identification Gallery



#GR1: Grip



#GR2: Trigger Assembly Left



#GR3: Trigger Assembly Right



#GR4: Trigger Guard



#GR5: Selector Switch



#GR6: Selector Switch Pin



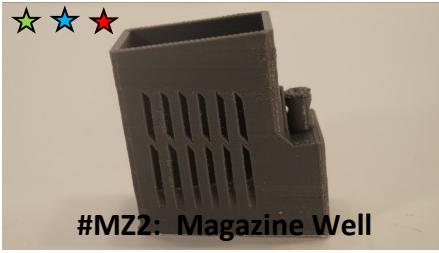
#GR7: Trigger



#GR8: Switch Spring



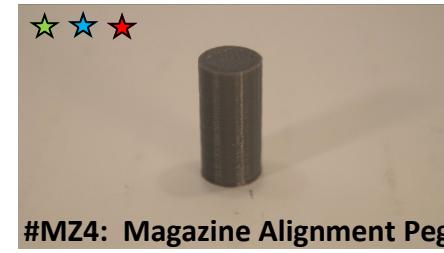
#MZ1: Magazine Ammo Clip



#MZ2: Magazine Well



#MZ3: Ammo Clip Release



#MZ4: Magazine Alignment Peg



#MZ5: Magazine Release Pin



#TT1: T-Track Tops



#TT2: T-Track Rails



#EC1: Outer End Cap



#EC2: Inner End Cap



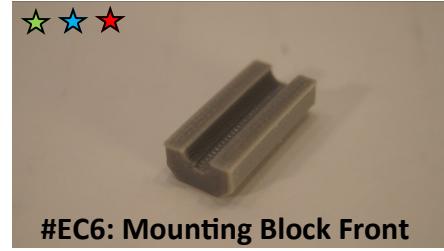
#EC3: D-Ring



#EC4: Mounting Disk

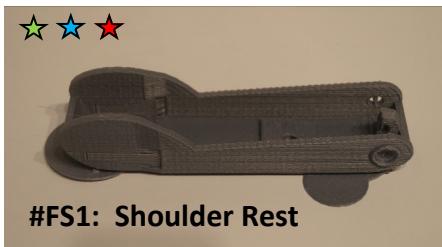


#EC5: Mounting Block Back



#EC6: Mounting Block Front

Parts Identification Gallery



Parts Identification Gallery ★★ HERO and DELUXE parts (these parts not included in BASE model)

Hengstler Counter & Power Cylinders with Custom ID Kit

Included in the HERO & DELUXE versions. Available as an add-on package for the BASE model.



Electronics Kit (DELUXE MODEL)

Connectors are color-coded for red-red, blue-blue. Two AAA batteries required (not included)

(Kit is available on Ebay!)



SANDING TIPS

Sanding is a necessary process to produce parts that are ready to accept paint and look good. Sanding plastic (**Acrylonitrile Butadiene Styrene, or ABS**) produces ABS powder, which is plastic, and you do NOT want to breathe plastic into your lungs, get it in your nose, eyes, mouth, so...

ALWAYS WEAR PERSONAL PROTECTION EQUIPMENT!



Tips and Techniques for sanding:

- Do not use power tools unless you are experienced, confident and proficient in their use. It is very easy to remove too much material, slip and damage a part, or hurt yourself. Detail sanders work best.
- Sanding sticks are your best tools. Make them yourself by gluing sandpaper to craft sticks (or popsicle sticks as they are often called). Make several with different grits of sandpaper.
- Start sanding with no less than 100 grit sandpaper and reduce the grit to very fine for the final sanding.
- Flat pieces/edges or sections can be sanded on a hard surface using flat sandpaper.
- Curved-edge metal files are the best for curves sections and small spaces.
- Wrapping sandpaper around the barrel will help sand attaching surfaces to the same radius as the barrel.
- The tip of flat-nosed metal files can be used to scrape material smooth.

FILLING A VOID

Tools: Glue, ABS Powder, Sanding sticks

The 3D printing process sometimes produces small voids and it seems like you can't sand it smooth no matter how much you sand away. Use this technique to fill the voids, cracks or seams.

- Have some ABS powder saved in a cup. You can also use baking powder or micro-bubbles.
- Coat the section needing to be filled (the gaps or voids) with glue. Immediately apply liberal amounts of ABS powder to the glue, pressing in place. Allow time to partially dry.
- Sand the section with rough, then medium, then fine sanding sticks or sandpaper. You may need to repeat the entire process one or more times to fill all the voids.
- Use this same process to fill seams or cracks of broken material.

1. Identify voids

2. Coat voids with glue

3. Apply ABS powder

4. Sand to a smooth finish



PAINTING TIPS

Paints used: Black Spray Paint, Silver Metallic Spray Paint, White Acrylic, Silver Metal Acrylic, Black Plastidip*

*Black Plastidip is used for T-tracks to rubberize those parts. T-tracks were rubber on the original props.

ALWAYS WEAR PERSONAL PROTECTION EQUIPMENT!

Don't breathe paint fumes!



Tips and Techniques for painting:

- Always paint outdoors or in well ventilated area. Paint fumes are bad for you!
- Hang parts whenever possible. It allows a better angle to paint and for drying.
- Several light coats are better than one thick drippy coat. Avoid drips when spray painting.
- Allow parts to completely dry before handling to avoid fingerprints.
- Any section to be glued to another part should be sanded where glue is to be applied. Gluing painted surfaces is not recommended.
- Clear matte spray finish is optional. Mask or tape off scope windows and Hengstler window (if added).
- Using "Hammered Finish" Black spray paint is an option if you like the look of hammered metal.
- Use a dry brush technique to "weather" portions of the blaster that might be worn through use. "Dry" the brush on a paper towel before applying paint for weathering. Silver or metallic paint is recommended.
- Parts that move, such as the Fire Rate Selector Switch may block paint so paint once, move switch, paint again. Some parts may require multiple coats of paint.

Weathering Examples

It's rare for a weapon to look like it just came out of the factory. If you want a pristine model, don't weather it. But if you want that "used" look, apply dry-brushed metallic paint at places you would expect wear.



ADDITIONAL TIPS AND SUGGESTIONS

- Folding stock pivot screw heads can be filled in and made to appear more like rivets.
- Paint the recessed section around the Fire Selector Switch silver.
- If you break a part, glue it. Most repairs can be glued quickly and easily.
- Be careful in public as people may think you have a real weapon!



ENJOY CRAFTING YOUR E-11 UBER BLASTER!!!

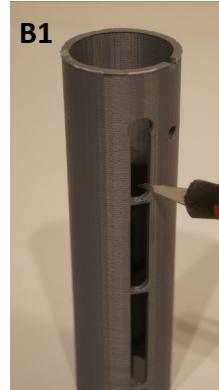
BARREL ASSEMBLY ★ ★ ★

Parts: #BL1, #BL2, #BL3

The barrel comes in three parts that must be aligned and glued together. Sanding the outside of the barrel should be done AFTER connecting the three sections together.

___ Step A: Remove the circular printing tabs.

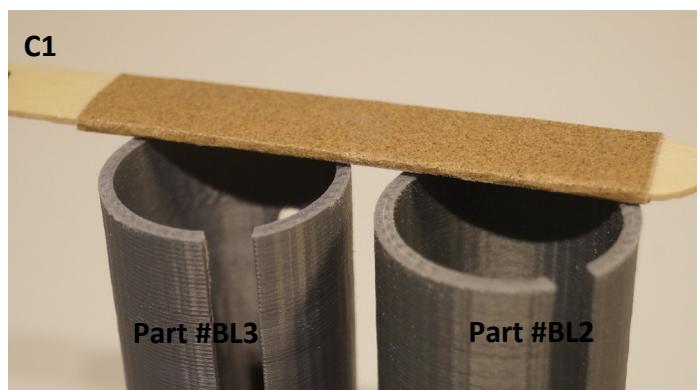
(Picture A1)



___ Step B: Remove the three “bridges” in the bolt charging channel of #BL3. (Pictures B1 & B2)

___ Step C: Sand the connecting surfaces of #BL3 and #BL2 so the glue has a rough surface to bond to.

(Picture C1)



___ Step D: Glue #BL3 and #BL2 together. Using your fingers is the best way to align #BL3 and #BL2. Be very careful not to glue your fingers to the tubes!

(Pictures D1 & D2)

___ Step E: Sand inside of inner barrel if not round or smooth. *Very important* if you have the Electronics Kit. (Picture E1)



___ Step F: Sand the end of #BL1 and #BL2 where they connect.

DO NOT REMOVE THE RECTANGLE TABS. (Picture F1)



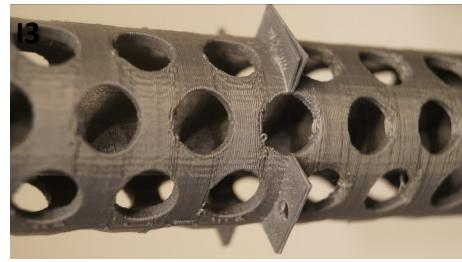
___ Step G: Remove the connector material that supports the inner barrel from part #BL1. BE VERY CAREFUL! The inner barrel will now only be connected at one end. (Pictures G1, G2, G3)



BARREL ASSEMBLY (continued) ★ ★ ★

___ Step H: Sand the inner barrel (carefully and gently) on both #BL2 and #BL1 to remove any printing or connecting material residue and to make for a good fit when gluing them together. Make sure the inside of the inner barrel is clear of debris and is smooth. *Very important if you have the Electronics Kit.* (Picture H1)

___ Step I: Glue #BL2 and #BL1 together using the tabs to align the sections. Make sure the holes in the tabs align. (Pictures I1, I2, I3)



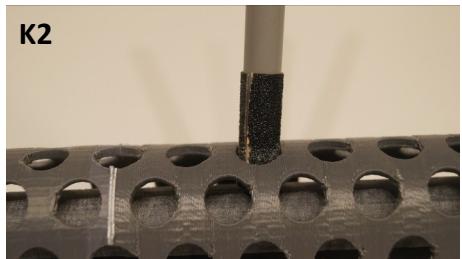
___ Step J: Remove the tabs by flexing them until they break off or cut them with an Exacto knife. (Picture J1 and J2)

NOTE: ★ If you will be installing the Electronics Kit, now is a good time to test if the LED holder will easily slide through the barrel.

___ Step K: Sand the barrel holes with a round metal file or make a "sanding pen" by wrapping sandpaper around a pen, pencil or small dowel. (Pictures K1 and K2)

___ Step L: Wrap sand paper around the tube and slide it up and down until the entire barrel is smooth and ready for paint. A detail sander works well for this step. Any imperfections will be highlighted by the paint, so *take your time and smooth the barrel completely.*

(Pictures L1, L2, L3, L4)

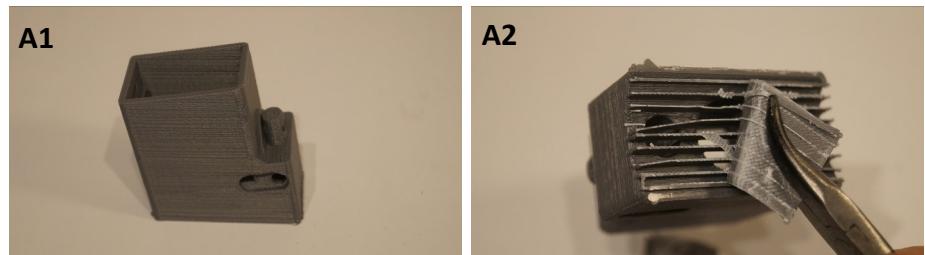


MAGAZINE ASSEMBLY ★ ★ ★

NOTE: Prototype Magazine shown (#MZ2)

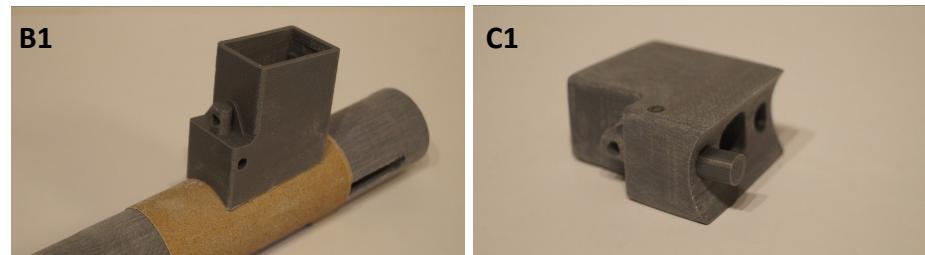
Parts: #MZ1, #MZ2, #MZ3, #MZ4, #MZ5

___ Step A: Remove the printing scaffolding at the curved end of #MZ2. Using needle nose pliers works well. (Pictures A1 and A2)



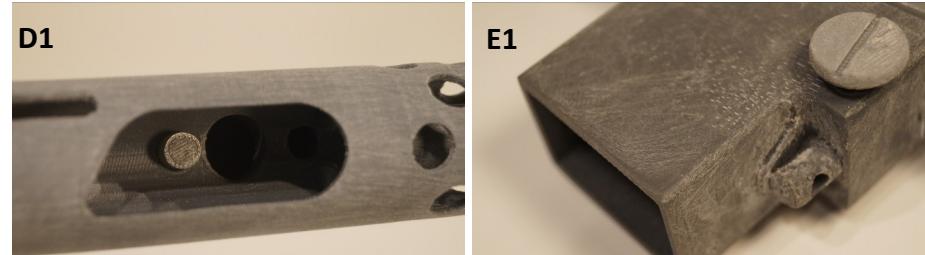
___ Step B: Sand all outer surfaces of #MZ2. (Picture B1)

Pro Tip: wrap sandpaper around the barrel to sand the curved section.



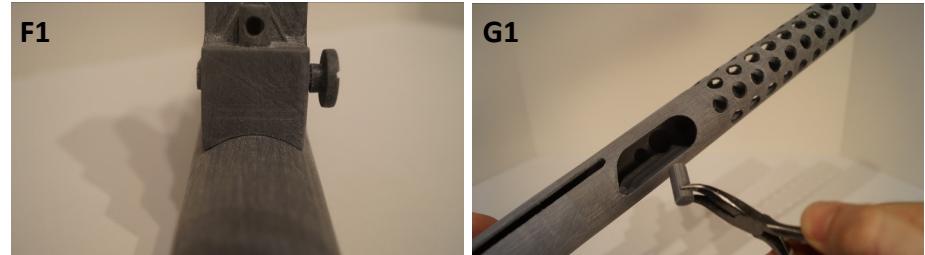
___ Step C: Insert #MZ4 into the rear hole on #MZ2. *DO NOT GLUE!*

(Picture C1)



___ Step D: Check the fit of #MZ2 to the barrel. Note how the holes line up. (Picture D1 –with prototype barrel shown)

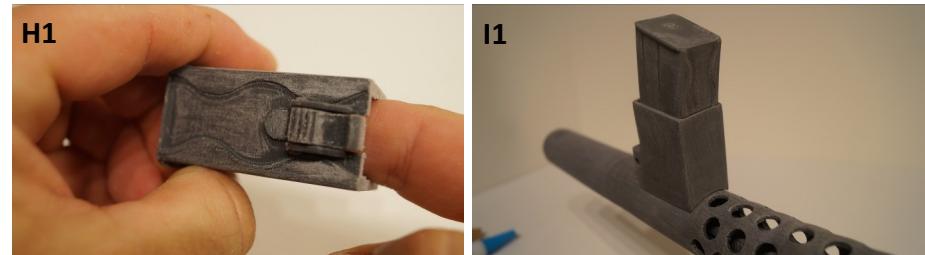
___ Step E: Sand #MZ5. Test fit that the pin fits into the hole. Glue into place on #MZ2. (Picture E1)



___ Step F: Glue #MZ2 to the barrel with the holes lined up. *DO NOT GLUE PART MZ5!* (Picture F1)

___ Step G: Remove #MZ4 after glue is dried and #MZ2 is firmly attached to the barrel. (Picture G1)

Place #MZ4 aside, you are done with it.



___ Step H: Sand the outside of #MZ1. Glue #MZ3 to inside of #MZ1. Hold in place with pressure from a finger.

Let dry completely! (Picture H1)

___ Step I: Insert #MZ1 into #MZ2 front side first, then clip side second. Don't force the pieces, they should clip in place easily. (Picture I1)



Magazine Assembly is complete!

(Picture J1)

FRONT & REAR SIGHTS, FLASH GUARDS, & BAYONETTE ATTACHMENT ASSEMBLY ★ ★ ★

Parts: #SB1, #SB2, #BL10, #RS1, #RS2, #BL6

___ Step A: Remove the printing scaffolding from #SB1 & #RS1. Using needle nose pliers works well.
(Picture A1 & A2)



___ Step B: Sand all parts.
(Picture B1 & B2)



Optional Steps for Original Prop Accuracy

___ Step C: *OPTIONAL*: Cut grooves into rear half of #RS2.
(Picture C1)



___ Step D: *OPTIONAL*: Drill/Grind knurled pattern into front half of #SB1. (Picture D1)

___ Step E: *OPTIONAL*: Cut groove into bottom of #SB2. (Picture E1)



___ Step F: Glue #SB2 to the notch in the front of the barrel. (Picture F1)

___ Step G: Glue #SB1 to barrel.
(also Picture F1)

___ Step H: Glue #RS2 to #RS1.
(Picture H1)

___ Step I: Glue #RS1 to barrel. Guide pin goes towards the front.
(Picture I1)



___ Step J: Glue #BL6 to barrel.
Notched angle goes towards the front.
(Picture J1)



___ Step K: Glue #BL10 to the barrel as shown. One guards the front of the ejection port and the other guards the front hole in the barrel.
(Pictures K1 & K2)

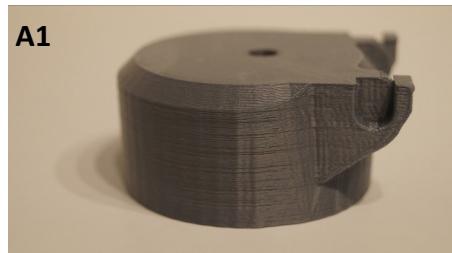


Progress so far: Picture L1

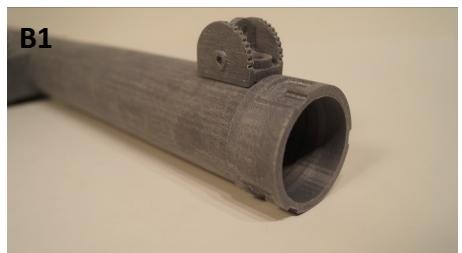
BARREL END CAP, MUZZLE TIP, END CAP RELEASE CLIP, SPRING & BOLT ASSEMBLY ★ ★ ★

Parts: #EC1, #EC2, #BL5, #BL7, #BL8, #BL9

___ Step A: Sand outside of #EC1.
Sand all outer surfaces of #EC2.
(Pictures A1, A2, A3)



___ Step B: Glue #EC2 to the end of the barrel using the tab to align the parts. (Picture B1)



___ Step C: Insert #EC1 onto #EC2, push and twist to lock.
DO NOT GLUE! (Picture C1)

___ Step D: Sand #BL8. (Picture D1)



___ Step E: Glue #BL8 into place on front of barrel using alignment pin. Make sure holes are aligned. Screws will be added later. *If you are adding the electronics kit, skip this step until after electronics are installed.*

(Picture E1)

___ Step F: Sand #BL9. (Picture F1)

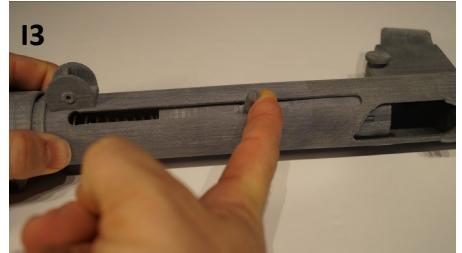
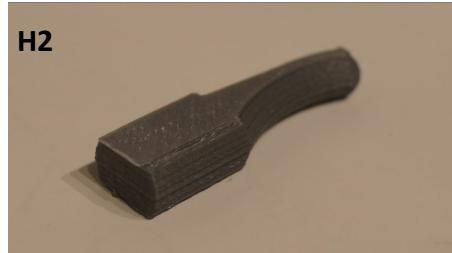


___ Step G: Glue #BL9 to the flat section on the bottom of the barrel. The raised circle goes towards the front of the barrel. (Picture G1)

___ Step H: Sand the outside of #BL4 and all of #BL7. Remove disk from front of bolt. (Pictures H1 & H2)

___ Step I: Remove end cap from barrel. Slide bolt into barrel followed by the spring. Close the end cap. Insert #BL7 into the bolt.
DO NOT GLUE HANDLE INTO BOLT.
(Picture I1, I2)

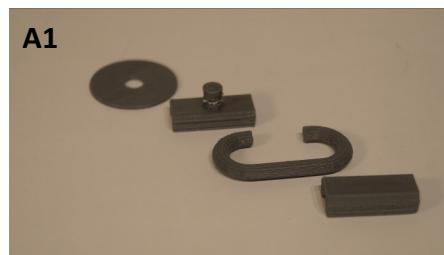
Try cocking the bolt. (Picture I3)



D-RING, STOCK MOUNT and T-TRACK ASSEMBLY ★ ★ ★

Parts: #TT1, #TT2, #EC3, #EC4, #EC5, #EC6, #FS5

___ Step A: Sand outside of #EC3, #EC4, #EC5, #EC6. (Picture A1)



___ Step B: Glue #EC5 and #EC6 together with #EC3 inserted between. Move D-ring while glue sets so it does not become glued into a set position. *You want the D-ring to be able to move.* (Picture B1)



___ Step C: Glue #EC4 to #EC5 with post inserted through the hole. Make sure End Cap is positioned correctly on barrel. Glue #EC4 and post of #EC5 to back cap of blaster. Level the D-ring with bottom of blaster. (Pictures C1 & C2)

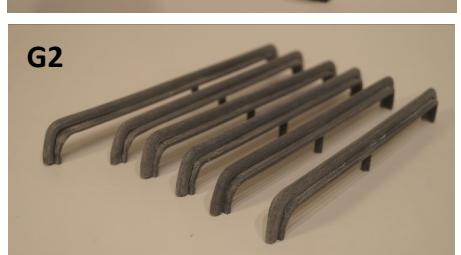


___ Step D: Sand #FS5. (Picture D1)



___ Step E: Glue #FS5 to bottom of barrel using hole for alignment. (Picture E1)

___ Step F: Sand all surfaces of #TT1 & #TT2. (Pictures F1 & F2)



___ Step G: Glue #TT1 to #TT2. Make sure to align the tops in the center of the rail sections. (Pictures G1 & G2)

Set aside all 6 T-rails for painting. Use Black spray paint or Black Plasti Dip* *For screen accuracy. Tracks were rubber.

___ PROGRESS CHECK!!! Compare your model to Pictures H1, H2, H3

NOTE: T-tracks are NOT glued in place. Rubber bands are used to hold them in place to check their fit.



Paint the T-tracks, Ammo Clip, End Cap and Barrel. Remove bolt & spring when painting.

FOLDING STOCK ASSEMBLY ★ ★ ★

Parts: #FS1, #FS2, #FS3, #FS4, #FS6, #FS7, #FS8, #FS9

___ Step A: Remove printing disks and extra material from all parts. Sand all parts. Remove metal pins during sanding. (Pictures A1 & A2)



___ Step B: Check fit of #FS3 & #FS4. Sand to fit and glue together. (Pictures B1 & B2)



___ Step C: Insert spring into #FS2. (Picture C1)



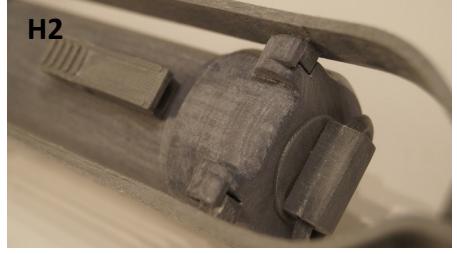
___ Step D: Insert #FS7 and compress spring. Insert #FS9 into hole of #FS7. DO NOT GLUE. (Pictures D1 & D2)



___ Step F: Insert tabs on arm into #FS1 cut-outs. Connect the rounded end of #FS2 to #FS1 with the long rolled pin while compressing the spring with the tab. (Picture F1)



___ Step G: Mount Folding Stock to barrel using standard screws through #FS6. Turn slowly, do not over tighten. (Picture G1)



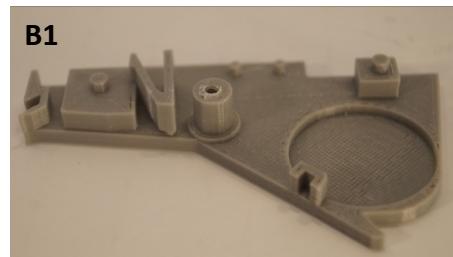
___ Step H: Test function of Folding Stock. Releasing the Shoulder Rest should move the locking tab and unlock the stock from the barrel. (Picture H1) Check fit of knobs on wishbone into recesses on End Cap. (Picture H2)

Now detach and disassemble the folding stock. Paint folding stock parts Black. Paint Bolt Metallic Silver.

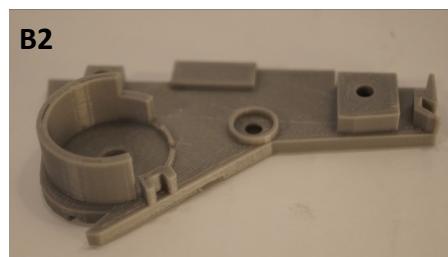
GRIP AND TRIGGER ASSEMBLY: Non-electronic versions ★ ★ ELECTRONIC VERSION INSTRUCTIONS ON

SEPARATE PAGE. Parts: #GR1, #GR2, #GR3, #GR4, #GR5, #GR6, #GR7, #GR8

___ Step A: Sand outside of #GR1.
(Picture A1) *Do not sand grip pattern, or letters.* Cut excess material, if any, from bottom of grip using Exacto knife.



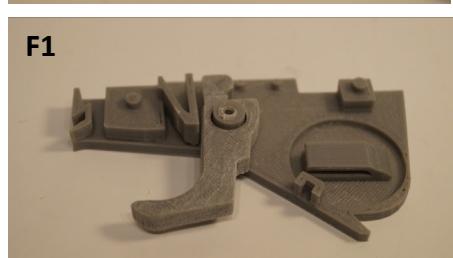
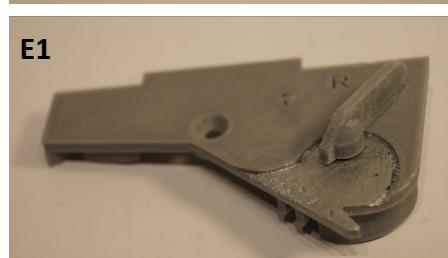
___ Step B: Sand outside of #GR2 & #GR3. (Pictures B1 & B2) The insides do not need to be sanded. *Optional:* Sand a recess where indicated around the Selector Switch hole. Paint recess Metallic Silver. (Picture B3)



___ Step C: Sand #GR5 & #GR7.
(Picture C1)



___ Step D: Insert #GR6 (you do not need to sand this part) into hole on #GR2. (Picture D1)



___ Step E: Test fit #GR5 on post. If it fits and turns smoothly, add one drop of glue to the top of the post and attach selector switch. (Picture E1)

___ Step F: Position #GR8 in circle but not touching sides. Glue in place.
(Picture F1)



___ Step G: Test fit halves together. Trigger should pull and switch should rotate. Glue posts and holes, press halves together. Use Beveled Screw to secure trigger assembly.
(Pictures G1 & G2)



___ Step H: Glue trigger assembly to #GR1. (Picture H1)

___ Step I: Sand #GR4. Glue into slots on trigger assembly. (Picture I1) Test fit to barrel, sanding if necessary.
(Picture I2)

DO NOT GLUE TO BARREL! Grip assembly is now ready for paint.

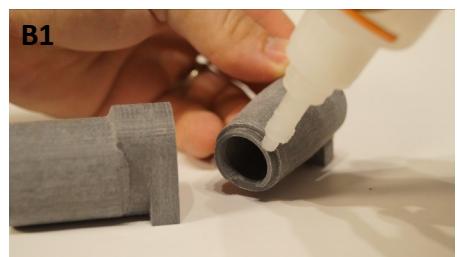


SCOPE & SCOPE RAIL ASSEMBLY ★ ★ ★

Parts: #SC1, #SC2, #SC3, #SC4, #SC5, #SC6, #SC7

___ Step A: Remove excess material from #SC2. Sand all parts.

(Picture A1)



___ Step B: Glue #SC1 to #SC2.

(Pictures B1 & B2)



___ Step C: Glue #SC5 into #SC2.

(Picture C1)

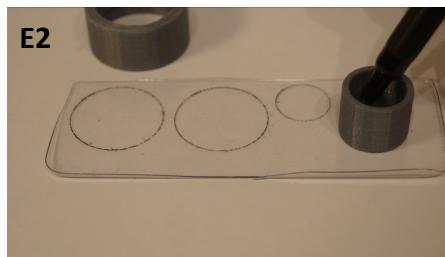
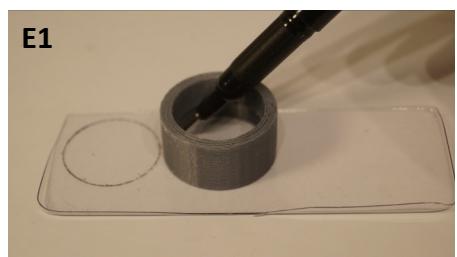
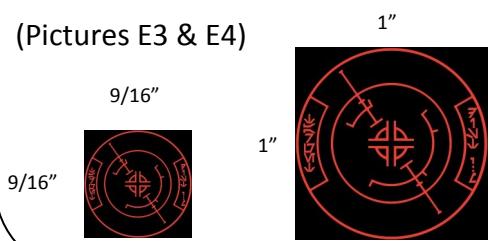
___ Step D: Glue #SC7 into holes on front of scope. (Picture D1)

Paint all scope parts.

Optional Step.

Take a flat sheet of clear plastic, such as from a clamshell package, and trace #SC3 & #SC4. (Pictures E1 & E2) Cut out 2 circles 1" in diameter. Cut 2 circles 9/16" in diameter. Print scope reticles and sandwich between the circles. Insert and glue plastic circles into #SC3 & #SC4.

(Pictures E3 & E4)



___ Step E: Glue #SC3 to #SC1

(Picture E3)



___ Step F: Glue #SC4 to front of scope. (Picture E4)

___ Step G: Sand #SC6 and **paint**.

(Picture G1)

___ Step H: Test fit scope rail to barrel by inserting front tab into slot in inner barrel and rear end into rear sight housing. Adjust to fit. DO NOT GLUE. (Pictures H1, H2)

HENGSTLER COUNTER ASSEMBLY ★ ★ (Not included on BASE model)

Hengstler and Power Cylinders available as a kit on Ebay. Check Blaster-Master's Ebay store.

Parts: #HC1, #HC2, #HC3, #HC4, #HC5, #HC6, #HC7, #HC8, #HC9, #PC4

___ Step A: Remove printing disks and extra material. Sand all parts.

(Pictures A1, A2)



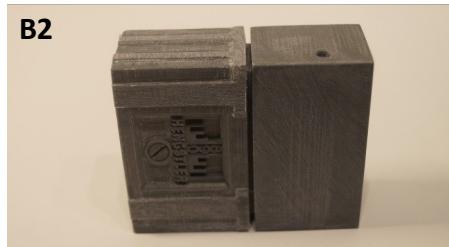
___ Step B: Glue #HC2 to #HC3.

(Pictures B1 & B2)



___ Step C: Glue #HC6 to #HC2.

(Pictures C1 & C2)



___ Step D: Insert #HC5 into slot in

#HC1. (Picture D1)



___ Step E: Glue #HC1 to #HC2.

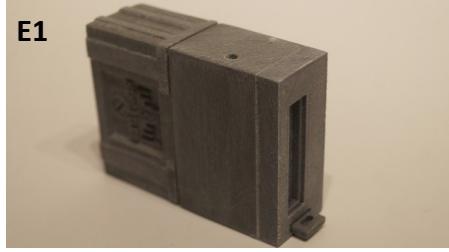
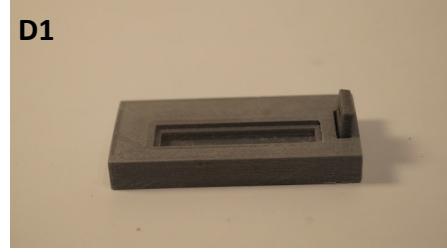
(Picture E1)

___ Step F: Sand the seams. Use Void filling method if necessary.

___ Step G: Glue #HC8 to Hengstler by inserting peg into hole. (Picture G1)

___ Step H: Glue #HC9 to #HC8.

(Picture H1)

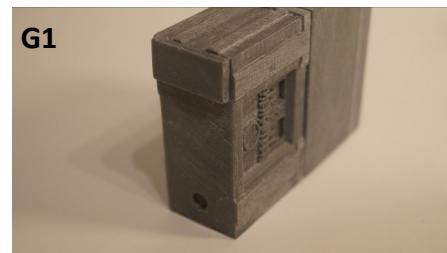


___ Step I: Glue #PC4 into holes on

#HC9. (Picture I1)

___ Step J: Glue scope to scope rail using holes to align. (Picture J1)

(Prototype rail shown)

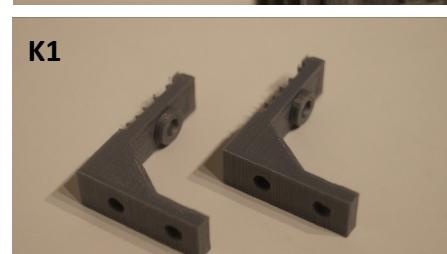


___ Step K: Sand grooves in #HC4,

paint. (Picture K1)

___ Step L: Glue #HC4 to bottom of

scope rail. (Picture L1)



HENGSTLER COUNTER COMPLETION and POWER CYLINDER ASSEMBLY ★ ★ (Not included on BASE model)

Parts: #PC1, #PC2, #PC3

___ Step A: Select trooper ID# to glue into Hengstler Counter window.

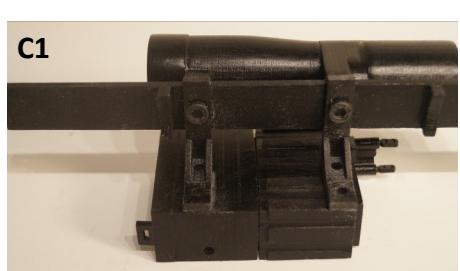
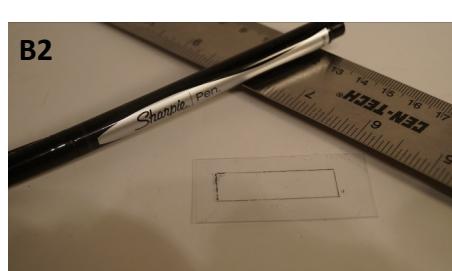
(Picture A1)



___ Step B: **Paint** Hengstler Counter. **Paint** ID #'s White. (Picture B1)

___ Optional: Cut a plastic "window" and glue over ID numbers.

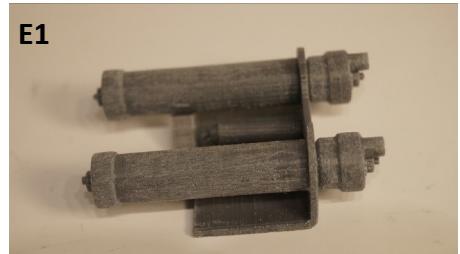
5/16" x 1 7/16" (Picture B2)



___ Step C: Glue Hengstler Counter to brackets aligning holes. (Picture C1)

___ Step D: Sand #PC1 & #PC2.

(Picture D1)

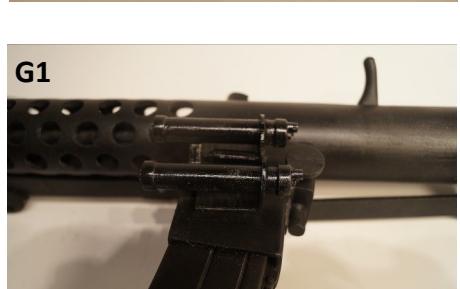


___ Step E: Glue #PC1 & #PC2.

(Picture E1)

___ Step F: **Paint** Power Cylinders & Wire Coils. (coils not pictured)

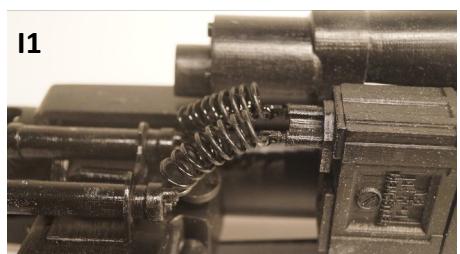
(Picture F1)



___ Step G: Glue Power Cylinders to ammo magazine, aligning front edges.

(Picture G1)

___ Step H: Glue scope rail to barrel. (Picture H1) *Carefully* secure rear end with Recessed Screw.



___ Step I: Glue wire coils to Power Cylinders and Hengstler. (Picture I1)

FINAL ASSEMBLY: NON-ELECTRONIC VERSION ★ ★

Parts: Allen Head screws

___ Step A: If you have not already installed the muzzle tip, do so now. Screw Allen Head Screws into Muzzle. You may have to ream out the holes and glue the screws in place. Do not overtighten! (Picture A1)



___ Step B: Glue T-Tracks onto barrel. There is no T-Track on the row of holes that has the Bayonet Attachment or the bottom row of holes where the folding stock covers. The long T-Track goes just above the Bayonet Attachment. (Picture B1)



___ Step C: Glue Trigger Assembly to barrel. (Picture C1)



YOU ARE DONE!!

Optional: Add “weathering” with dry brush & metal paint. (Pictures D1, D2, D3)



Display Stand sold separately on Ebay. Visit Blaster-Master's Ebay store.

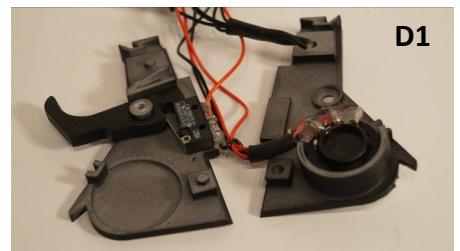
ELECTRONICS KIT INSTALLATION ★

All plastic parts should be painted *BEFORE* installing Electronics Kit.

___ Step A: **TEST** connections and functions of Electronics Kit. Requires 2 AAA batteries (not included) (Picture A1)



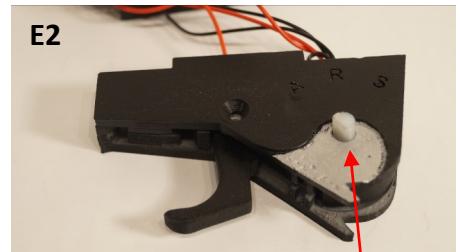
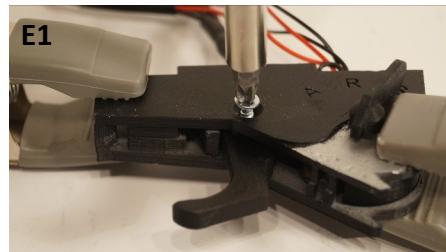
___ Step B: Position trigger on post as shown. (Picture B1)



___ Step C: Position trigger switch on two plastic posts. (Picture C1)

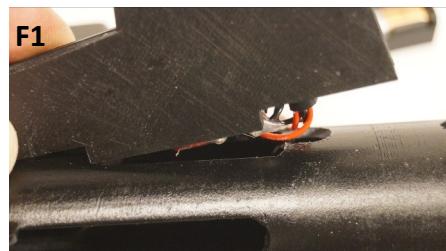
___ Step D: Install Selector Switch into circle as shown. (Picture D1)

___ Step E: Glue halves together. Clamps help! Install recessed screw into hole. (Picture D1)

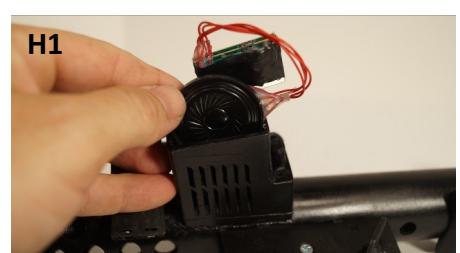


NOTE: You may wish to sand down the Three-Position Switch post (white plastic) so the Selector Switch doesn't sit so high.

___ Step F: Check fit to barrel, don't glue yet. You may have to extend the barrel cutout to accommodate the wiring. All wiring goes through the ammo port. (Pictures F1 & F2)



___ Step G: Battery pack goes out through magazine, connectors out ammo port. (Picture G1)



___ Step H: Speaker and Sound Card go into magazine, connectors go through ammo port. (Picture H1)



___ Step I: Battery pack is covered by Ammo Clip. (Picture I1)

___ Step J: Slide long LED down barrel. (Picture J1)

___ Step K: Glue short LED under inner barrel. (Picture K1)



___ Step L: Make connections, cover with bolt. (Picture L1)

FINAL ASSEMBLY—DELUXE VERSION WITH ELECTRONICS KIT. ★

After Electronics Kit Installation is complete

Parts: Allen Head screws

___ Step A: Glue Grip to Trigger Assembly and barrel. (Picture A1)



___ Step B: If you have not already installed the muzzle tip, do so now. Screw Allen Head Screws into Muzzle. You may have to ream out the holes and glue the screws in place. Do not overtighten! (Picture B1)



___ Step C: Glue T-Tracks onto barrel.

YOU ARE DONE!!

Optional: Add “weathering” with dry brush & metal paint.
(Pictures D1, D2, D3)



Display Stand sold separately on Ebay. Visit Blaster-Master's Ebay store.

