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#PRP1774

***Star Trek*™ "The Cage" Laser Pistol Prop Kit Assembly Manual**



Roddenberry.com proudly presents the kit of the first Starfleet pistol prop made for ***Star Trek*** in 1964: the ***Laser Pistol*** as used in the first pilot episode "The Cage", later in "Where No Man Has Gone Before", and in at least two other episodes of the first season of ***Star Trek: The Original Series***. Easy to paint and build up, the ***Laser Pistol*** will look great as a display piece or to use with your costume!

Note that the barrel on this Laser Pistol kit is not designed to extend out, nor does the emitter rotate.

BASIC LAYOUT AND INVENTORY



PARTS INCLUDED:

- Main body
- Handgrip ([left and right halves)
- Handgrip Butt Plate
- Trigger (with pin)
- Trigger Spring
- Sight (wire frame, sight window, and plastic detail)
- Brass Barrel Tube
- Back Barrel Ring
- Middle Ring
- Emitter
- 1 each 1/2", 3/8", and 5/16" Emitter Rods
- 2 barrel screws

TOOLS AND SUPPLIES NEEDED:

- Sandpaper (220-320 rough sanding to 400-600 finish sanding grits)
- Small file
- Hobby knife
- Bondo, and automotive spot putty
- Cyanoacrylate glue (CA glue)
- 5-minute epoxy (clear type)
- Screwdriver
- Sandable-type spray primer (gray or black)
- Krylon Semi-Gloss Black paint or similar

IMPORTANT: Wash your resin castings with a chlorine-based soap such as Ajax or Comet with water to remove any trace of mold release, which might interfere with the paint finish. Fill in any objectionable bubbles, mold lines, etc. with the spot putty or Bondo, and sand smooth with 220 to 320 grit sand paper before you start.

HANDGRIP ASSEMBLY AND INSTALLATION



Step 1: Assemble the handgrip as shown by mounting the spring and securing the trigger in place with the pin [Fig. 1], then gluing the two grip halves together. **NOTE:** *Try not to get glue anywhere near the trigger as you likely won't be able to get it apart again to fix it.* Once together, you may wish to fill and sand the grip seam until it's smooth so it won't be visible when you paint. Then glue the grip to the body and the butt plate to the grip.

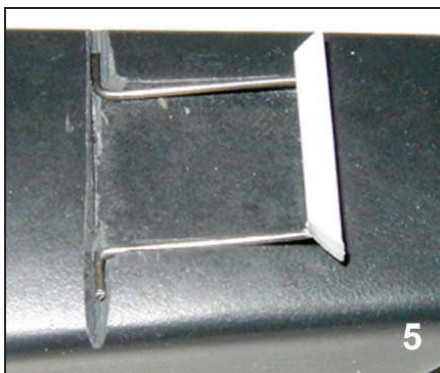
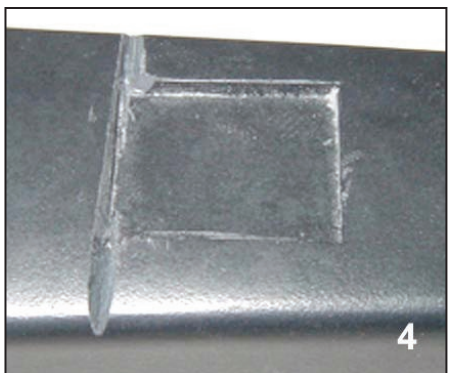


SIGHT ASSEMBLY (Optional)

You may skip this section and not install the sight if you find this procedure too difficult. Bear in mind most of the original "Cage" Laser props did not have a sight...



Step 2: Take the small white plastic sight detail and sand or file both ends at the illustrated angles, then glue the small sight detail to the sight as shown [Figs. 2 and 3]. Do not glue the sight window plate at this time as it gets attached after painting.



Step 3: To attach the sight wire, the easiest way to do this is to cut a groove into the main body casting with a small file [Fig. 4]. With the sight wire in place and the sight detail piece towards the top [Fig. 5], mix a little Bondo and fill in the groove, being careful not to get it inside the rectangular depression of the body [Fig. 6]. When the Bondo starts to kick off and get hard, carefully rotate the wire upright to loosen it up without loosening the Bondo you just put on. If you happen to have any Bondo in the way, use your hobby knife to cut the excess away so the sight wire can rotate. The sight stays in place permanently and will be painted with the body.

With the grip and sight in place, you can spray the assembly with primer to start. If you have chosen to install the sight, it should be in the upright position at all times when you are painting. You may need to fill and sand any spots you missed earlier. When you have a primer finish you're satisfied with, spray one or two coats of semi-gloss black paint and let dry for at least 2 hours before continuing with prop assembly.

Note: It is very important to allow the paint to dry for at least two hours or more between coats and prior to any further work related to the main body. These steps include: finish sanding (with 400 to 600 grit paper), applying masking tape for the contrasting color, or continuing the assembly process. The longer it is allowed to dry the better the result.

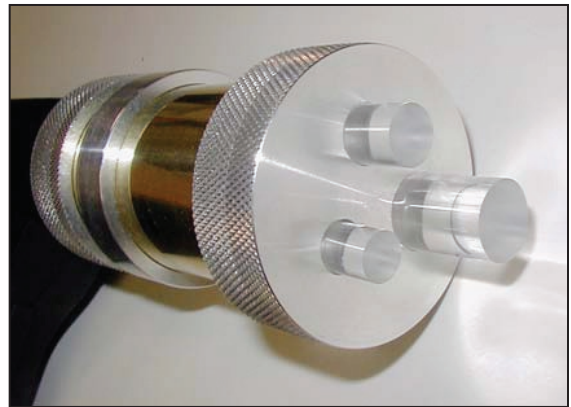
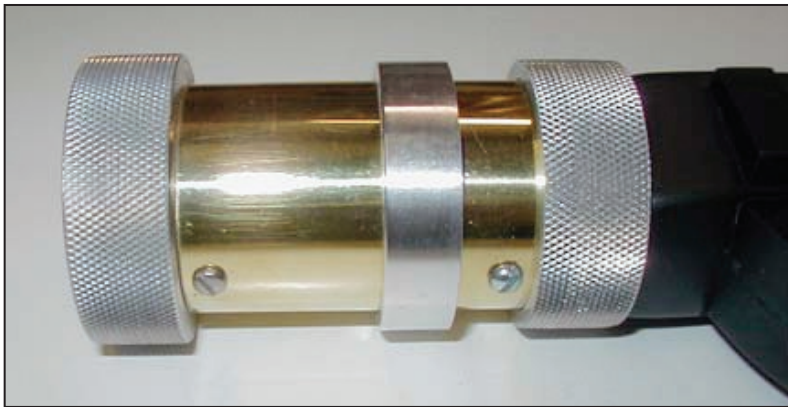


BARREL ASSEMBLY AND INSTALLATION



Step 4: Next secure the brass barrel tube and the back ring as shown. There are 2 holes present in the main Brass Barrel. Make certain that the hole closest to the edge is facing the front of the Barrel. You will glue the back ring on the tube first with CA glue or 5-minute epoxy, then slide the tube onto the main body, orienting it so the tube hole lines up with the hole in the body. This is secured with the round head screw.

NOTE: When using 5 Minute Epoxy, let parts cure undisturbed for at least 30 minutes. Even though the name is "5 Minute Epoxy," it will take at least 15 or 20 minutes before it is cured fully. The part can indeed be handled after 5 minutes but this is not recommended.

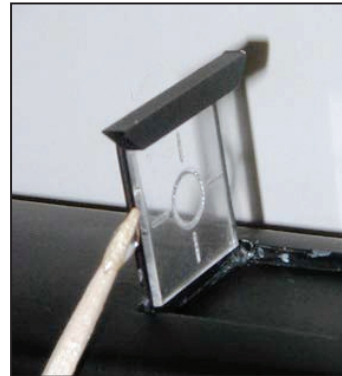
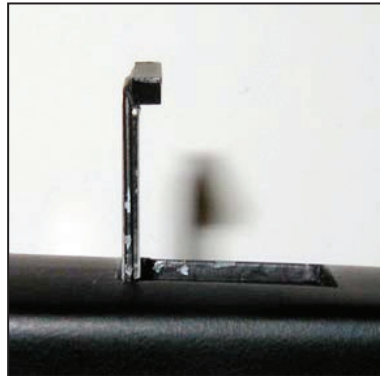
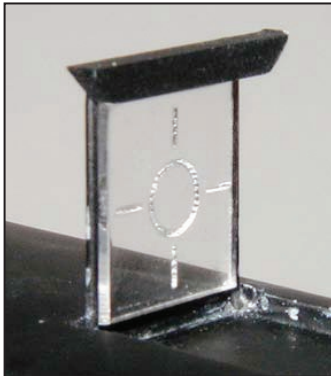


Step 5: Slide the middle ring in place if it was shipped to you separate from the brass tube, and then put on the emitter. Line up the threaded hole with the tube hole and secure the emitter with the other screw. You'll notice it is oriented so the large emitter hole is to one side; this is accurate to how the Laser Pistol was constructed for *Star Trek*. Glue the three emitter rods in their respective holes with 5-minute clear epoxy – don't use too much glue or you might not be able to drive the rods all the way in because of trapped air.

The middle ring should be able to slide and rotate on the barrel tube when it is all assembled.

SIGHT FINAL ASSEMBLY

If you didn't install the sight, ignore the following paragraph because you're already finished.



Step 6: Test fit the sight window in the sight – if it doesn't fit in one direction, try the other, as the sight window is not a dimensionally perfect square. If it doesn't fit in either direction, you'll need to sand the edges until it does fit between the wires without it being loose. You should be able to make the sight upright when the window is in place. Glue the sight window on with epoxy – you may need to carefully sand or scrape away the paint on the wire, otherwise the glue may not stick as well. Use a toothpick to apply as little glue as you can get away with for a secure joint. A "Sharpie" felt pen or some brushed-on black paint can fix any spots on the wire that are visibly missing paint. Once this is glued and cured, the "Cage" Laser Pistol is finished!



IMPORTANT NOTES:

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