Power of the Crystals

E-11 Blaster

Enhanced

Competition: [GJW XV Event Long] Multimedia

Project built by

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E-11 blaster rifle combined lethal firepower along with remarkable range. Its compact design makes the weapon comfortable to carry and fire. Now powered by Children of Mortis crystals the weapon becomes even more lethal. The new upgraded crystal power supply maintains a continuous flow of energy to the weapons crystal enhancements. The plasma energy becomes enhanced as it travels down the barrel absorbing the energy from the six CoM crystals mounted in the barrel. Turning men and beast into mindless puppets of destruction, or dissolving them from existence. Losing a power setting, the weapon only has two selections, lethal or enhanced. The rifle's extended barrel improves its range and accuracy. The newly designed cooling system rapidly dissipates heat build up. The barrel has been ported and polished for additional cooling and accuracy.

The E-11 has been updated with a more modern electroscope with an illuminated reticle and a digital rangefinder assists the shooter in target allocation. For its medium range capabilities a composite collapsable stock was added, losing nearly 1.5 kg in weight.

The Build

Parts

- 2 broken & cracked Star Wars E11 plastic blasters (yard sale score, $4 toy bin)
- Primer Paint (testors modeling) 2 Cans each
- PVC Pipe & Caps
- Battery operated LED strip (Amazon $13)
- Modeling paint kit & accessories($40 Hobby Lobby)
- Crystals ($8 Hobby Lobby)

Tools

- Dremel
- Orbital sander
- Glue gun
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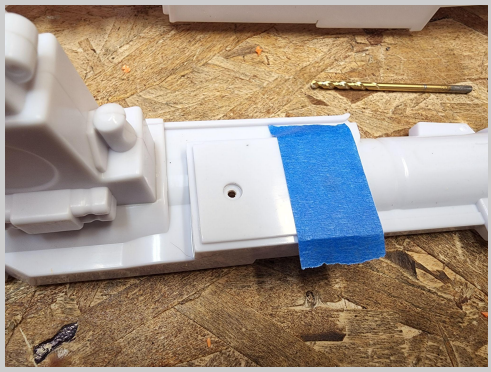
- Safety Glasses
- Heat gun
- Modeling plastic
- Modeling clay/filler
- Sand paper

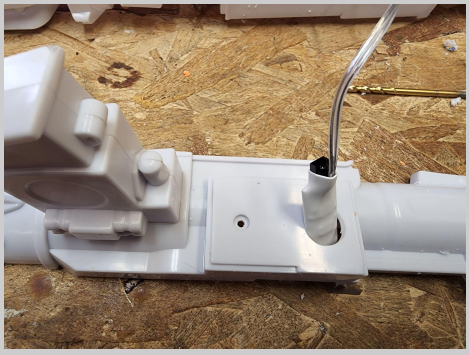
The Process

First I took apart each weapon and used my dremel tool to cut off the broken pieces/parts. I used a small piece of PVC pipe (2 in) as a joint support between the stock and the lower receiver of the blaster. Just some light sanding and a hot glue gun I was able to get a good fit. Then I went after reshaping the trigger guard, scope base with the modeling clay, modeling plastic. Using the heat gun softens up the plastic in order to move and shape/stretch the material out. With the trigger guard I only needed to fill a 1in gap. The scope base, I just formed a small 1.5in x .5in base, then glued it to scope. Let everything sit and dry overnight. Sanded everything down and test it several times to get it to fit between the halves.

I used some emery cloth for light sanding and scuffed it up nicely. Then I cut PVC pipe out of 1 ¾ pipe and ¾ pipe so that I could extend the scope out just a little bit as one side of the scope was broken off. I tried molding a new end but after 3 attempts I could not get it to hold its weight when I attached it to the scope. So I adjusted and went with the PVC I already had in the shop. Used some PVC caps to add to the shape.

I routed the LED power wire through one of the existing holes by opening it up just a bit for clearance. Then drilled the holes in the barrel for the LED lights and where the crystals would set. Once everything was mocked up I laid it out to prime and paint.

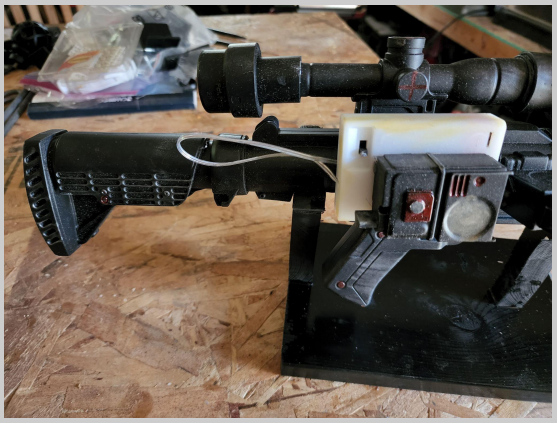
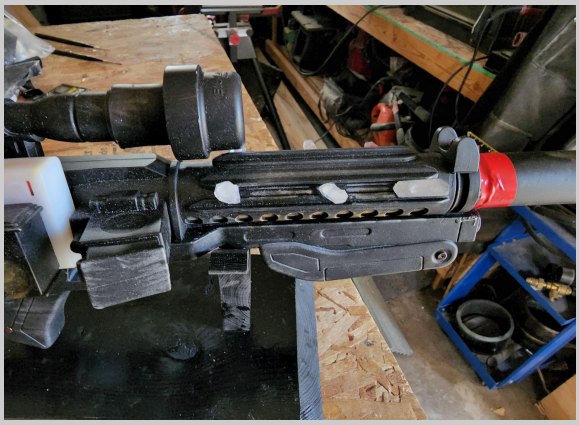



Re-Assembly

After two coats of primer and paint I brought the parts into the shop and thoroughly dried overnight. Then I began the light sanding for a bit of scuff marks and to fine tune how the pieces fit back together. The scope was a little tricky as the piece that was broken off had a groove on both sides that sandwiched between the two halves. So that took a bit of sanding and a couple passes with a exacto knife. I also took this opportunity to touch up any missed paint spots on the parts and body. I contemplated painting the battery pack for the LED's but opted to keep it white for contrast. I glued the old plastic power pack to the battery case for aesthetics and a bit more contrast. I ran the LED's through the length of the gun and tested them out prior to final assembly. I used my dremel tool with a grinding bit to flatten out and shape the base of each crystal. Once I got the fit I wanted I used a hot glue gun to put them on the barrel.

Weathering

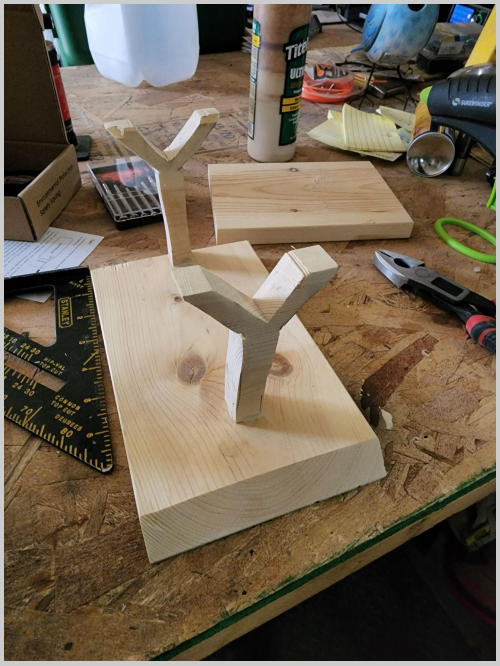
I bought this cool little weathering kit from the model section of Hobby Lobby. I added the dry brush mixtures together and applied wear I thought would be most appealing. I also added some dry brush red to the pivot points of the weapon and the hard sight on the barrel.

Last Minute

As I was dry brushing in the previous step I felt that the gun was a little snub nosed. So I cut some more pvc, heated it with my heat gun to shape it and mocked up the fit. Once I got as close as I could. I primed and painted it then slipped it back on after drying. Then weathered that part of the barrel to match. As an added measure for strength of my joints I wrapped the barrel and stock joints in heat shrink tape and hit them with the heat gun. Plus it adds some pop of color.

After I got it where it is now, I figured it needed a display stand. Took some scrap 1x6 pine and cut a base. Then cut the pillars out on the bad saw Glued and brad nailed them in place then gave it some light sanding before prime and paint.



Final Result