

PROPTRONIX

Prop Preperation

Sanding and Painting

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1. Tools List

The following tools are what I recommended to use to build your E-11 Stormtrooper Blaster.

2.1. 3D Model

- Eye Protection - Goggles to protect your eye's from the dust particles
- Dust Mask - For protection from breathing in the dust particles
- Sandpaper - Various grades 80 Grit, 180 Grit and Wet & Dry 600 Grit (A few sheets of each)
- Small Metal Files - Various widths and shapes
- Super Glue
- 2 Part Epoxy Glue
- Small Pair of Side Cutters
- Needle Nose Pliers
- Exacto Knife
- Filler - Bondo, wood filler, fine car filler or any other type of filler that is easy to sand can be used.
- Paint - Filler Primer, Colours of your choice

2.2. Electronics

- Multi-Meter - For testing circuits and connections (**VERY IMPORTANT**)
- Soldering Iron or Soldering Station
- Solder
- Solder Wick
- Wire - 28AWG or 30AWG Silicon wire recommended
- Wire Stripper
- Heat Shrink Tubing - Various Sizes
- Hot Air Gun, Lighter or Solder Station - For shrinking heat shrink tubing
- Small Pair of Side Cutters
- Needle Nose Pliers
- Solder Helper - Optional

2. Sanding and Filling

Sanding all the parts is a necessary process and the more time you take on this process the better the finish of your E-11 Blaster will be. Start with the 80 grit sandpaper and reduce the grit until a nice smooth finish is achieved.

PLEASE WEAR A DUST MASK & GOGGLES WHEN SANDING

DO NOT USE POWER TOOLS for sanding, these create heat very quickly and will soften the plastic and potentially ruin the part. Hand sanding is a much slower process but with patience and time you will achieve a really good finish ready for assembling and painting.

- Rounded Parts - Roll sandpaper around the part to sand, both inside and outside of barrels can be sanded this way.
- Flat Surfaces - Use a sheet of sandpaper on a flat surface to sand these parts.
- Awkward Shapes and Small Details - Use small metal files with shaped sides and sanding sticks to sand these parts, being careful not to sand away the details too much.

Check all parts for voids and gaps and fill with filler, once dry and hardened sand these parts again. Only move on to assembling the E-11 Blaster once you are really happy with the sanded finish of all the parts.

3. Priming and Painting

The main colours used for painting the E-11 Blaster are Black, and a bit of Silver, but you can paint it in whatever colours you choose. I recommend using cans of acrylic spray paints, but you can also use an airbrush.

PLEASE WEAR A MASK WHEN PAINTING

- Always paint in a well ventilated area, preferably outside.
 - Wear PPE (Personal Protective Equipment) when painting.
 - Hang parts for printing where possible - This gives a better angle for painting and also for drying the parts.
 - Apply several light coats of paint rather than one which coat and try to avoid drips and runs.
1. Filler Primer - Spray Paint all parts with Filler Primer - This will fill any very small voids or gaps. If there are still some voids and gaps fill these with filler and sand all the parts with very fine grit wet and dry sandpaper to achieve a real good smooth finish ready for the final colour.
 2. Main Colour - Use several light coats of paint allowing each to dry for the recommended time before applying the next coat. Don't rush and try to paint thick coats of paint, you will possibly lose some of the finer details on the parts, and possibly have to start the sanding process again.
 3. Allow the paint to fully dry before attempting to assemble the E-11 Blaster. I recommend at least 24 hours.
 4. Remember any parts that are required to be glued together will need to have the paint sanded first. Gluing Painted parts together is NOT recommended.
 5. Weathering - This is a personal choice. If you want to give your E-11 Blaster the weathered look check out the many video's on YouTube showing how to achieve that weather look.