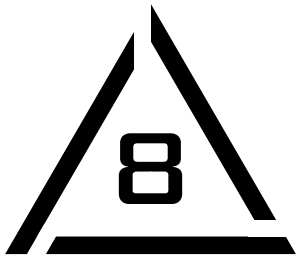
Igniter Kit Manual Version 1.2

This manual is strictly for the NFE Brand Igniter kit

This manual covers
making the igniters
for all M8 Instant Deployment
And Delta 8 Products



Igniter kit contents

Ignition Compound (Marked with "I")

Striker Compound (Marked with "S")

Oxidizer

Adhesive

Sewing Needle

Plastic Syringe

Paper Ignition Cups 50X

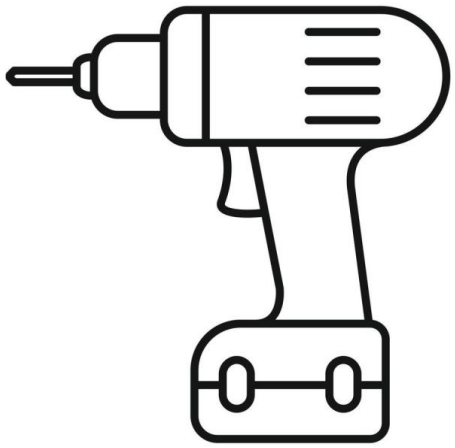
Mixing Cups 2X

Nylon Cord

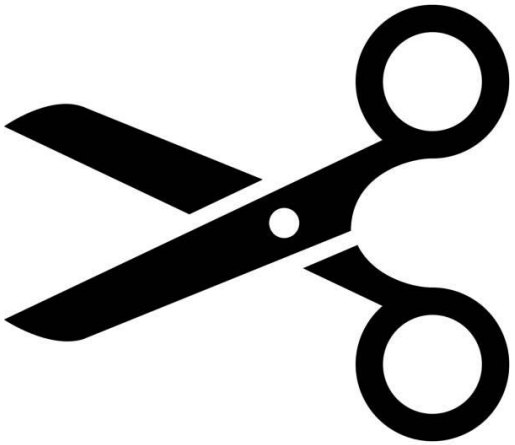
Mixing Sticks 4X

Brushes 2X

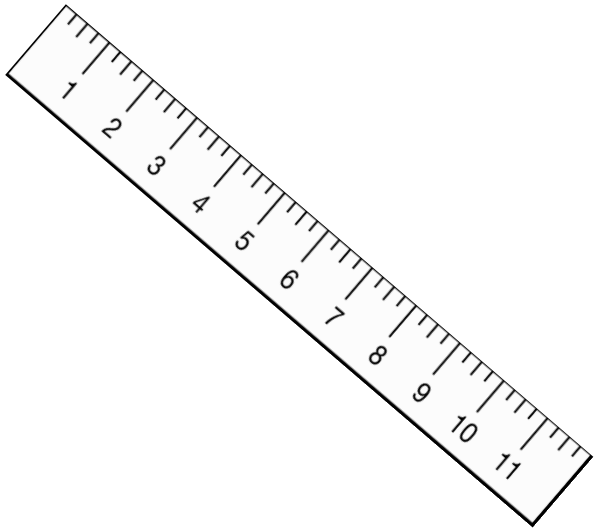
What you will need



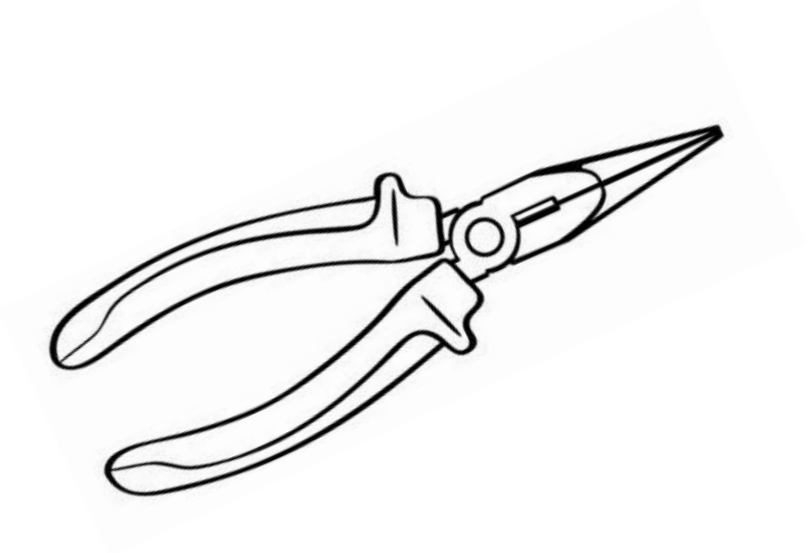
Drill with 1/16 drill bit



Scissors



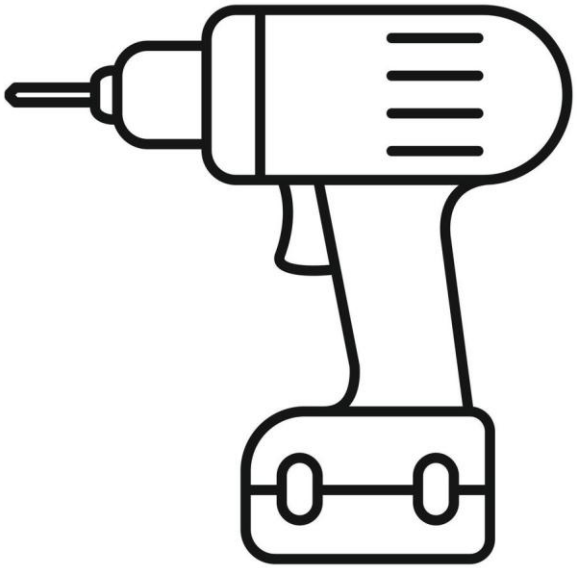
Ruler



Needle Nose Pliers

Optional Igniter Rack

STEP 1



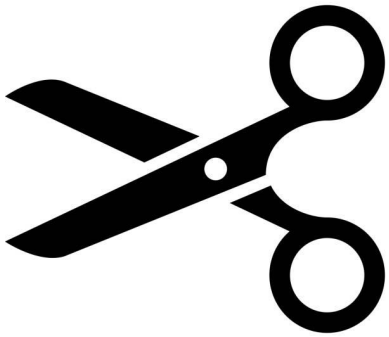
Place the paper igniter cups with the closed end facing upward.

Drill a 1/32 hole through the center and repeat this for igniter cups.

Important

You may want to place something under the igniter cups, so you don't drill into something you care about.

STEP 2

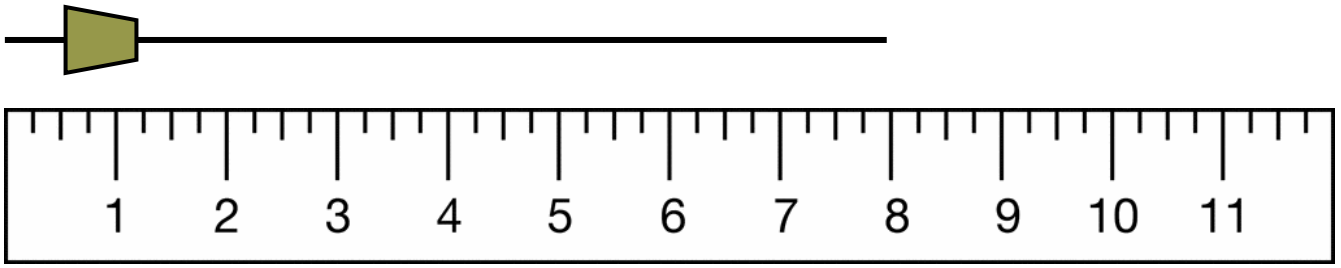



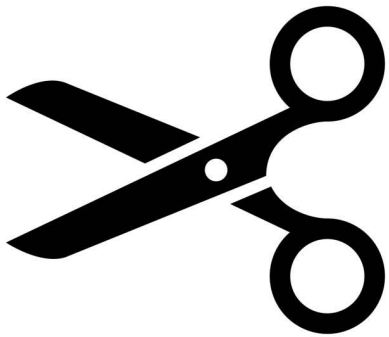
Cut a fresh end on the nylon cord on an angle using the scissors.

Thread the tip of the nylon cord through the sewing needle.

Now thread the needle through the bottom(cone side) of all the paper igniter cups (igniter cups should face the same direction).

STEP 3





Set the igniter cup ½ from the end of the nylon cord.

Measure out the overall length of the nylon cord 7-8 inches.

Cut the nylon cord at 7-8inches OAL(Overall length).

STEP 4

Mixing the Ignition Compound

Crush any clumps in the bag of oxidizer.

Pour all of the contents of the oxidizer into the plastic jar labeled "I". Stir Gently and thoroughly.

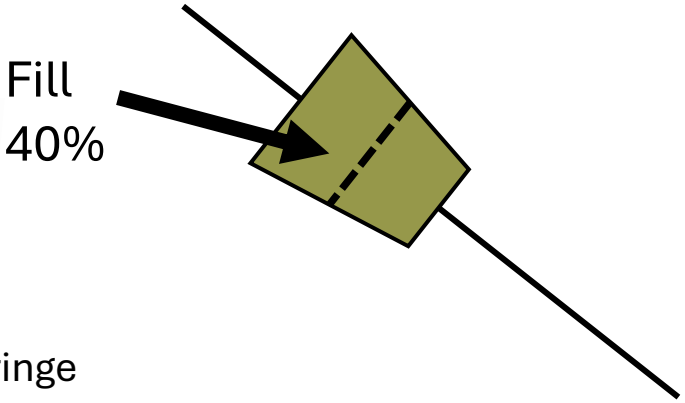
Pour some of the mixed ignition compound into the mixing cups.

Add only a drop of glue at a time and mix. The consistency should be similar to tooth paste.

Important

When you first put the glue into the ignition compound, the ignition compound will surround the drop of glue and gives the appearance that it is still way too thick. Mix thoroughly until the glue is absorbed. If needed add another drop of glue.

STEP 5



Take the plunger out of the plastic syringe

Using the mixing stick, scrape the mixing cup of the ignition compound and put it inside the plastic syringe.

You may twirl the mixing stick against the inside sidewalls of the syringe to get as much possible inside the syringe.

Important

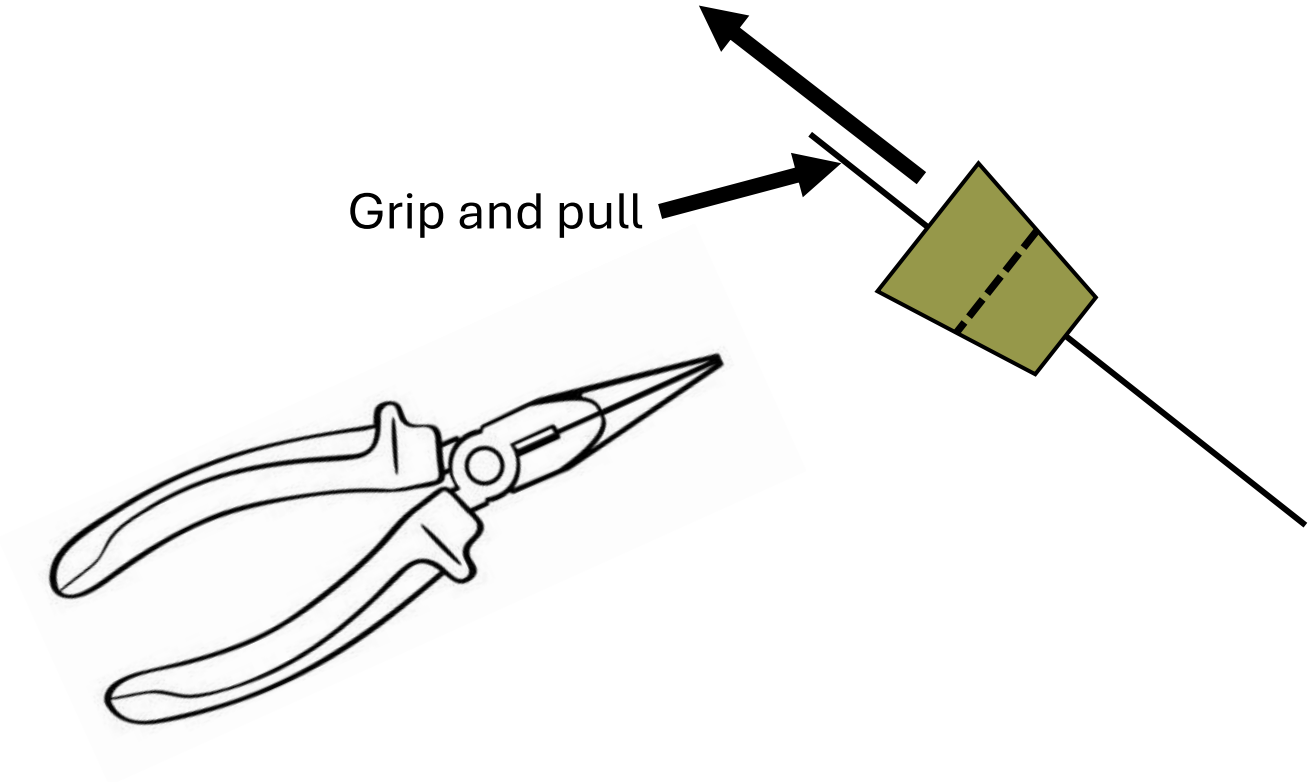
You want to get as much ignition compound inside the syringe. For the ignition compound to push out, the nozzle end needs to fill. This is considered waste material.

Once you filled the syringe, fill each paper igniter cup about 40%. Make sure the string does not fall through the paper igniter cup.

If using the optional igniter rack, place each paper igniter cup/nylon cord assembly into a hole and fill from that position.

Let the compound 4-6 hours until hardened.

STEP 6

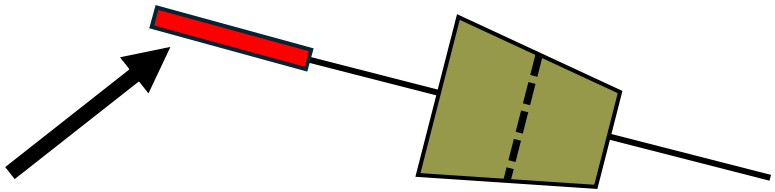


After the ignition compound has dried and hardened. Holding the paper ignition cup with one hand, with your other hand use needle nose pliers and pull up on the nylon cord ensuring that the nylon cord moves freely through the ignition compound.

Important

Be careful not to pull the cord all the way through.

STEP 7



Dump the contents of the striker compound into a new mixing cup.

Squeeze out a drop of glue and stir. This mixture should be slightly thinner than the ignition compound.

Brush the striker compound 1/4”- 3/8 ” of the tip of the string.

Important

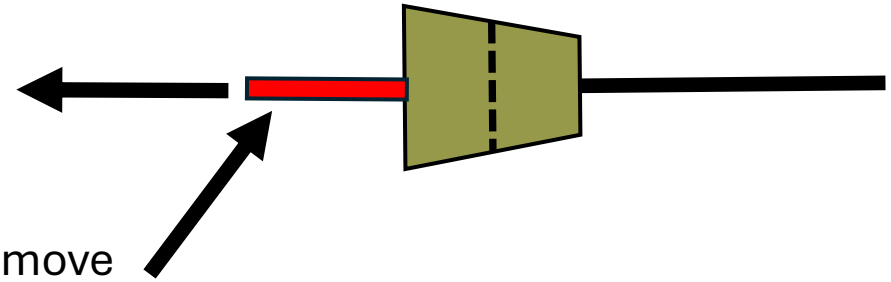
Depending on how thin the mixture is, you may have to coat the nylon cord twice.

When the striker compound is dry and has enough layers, reset the cord. **Gently** pull the string so that the striker compound meets the ignition compound.

Troubleshooting

If you're experiencing issues with the striker compound (Red) not pulling through the ignition compound (Gray)

STEP 1

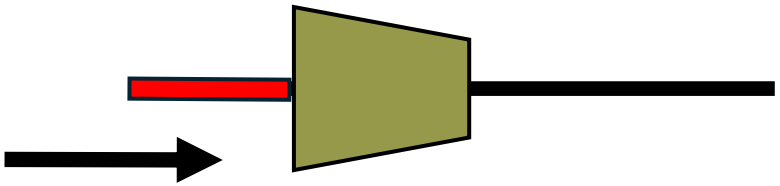


Remove Igniter Cord

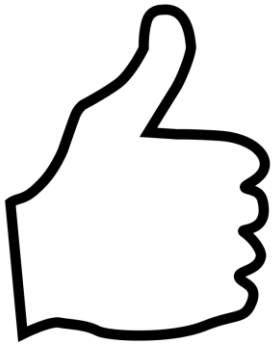
STEP 2

With your fingers, twist a 1/16th drill bit through the hole to ream out the through hole till it slides in and out easily.

STEP 3



Re-insert cord



You have completed making the igniters.

Let the igniters fully cure for 24 hours or longer.
Store in a cool dry place. Use Silica gel packets.

Tape together in bundles of 10 or small quantities to prevent accidental ignition and tangling when storing