

Pull String Igniter Instructions

WARNING: This kit contains chemicals that may be harmful to use or store. It deals with the mixing and construction of pyrotechnic devices and as such, they are sensitive to friction, heat, open flame and moisture and must be handled, used and stored accordingly. Since the use of this kit is beyond my control, by purchasing and/or using, the buyer/user accepts all liabilities thereof and agrees to hold harmless the seller and/or manufacturer from any liabilities concerning construction, possession, use and storage. The manufacturer and/or seller makes no warranties for application or fitness of use.

*****INVENTION INCARNATE:** THIS QR CODE LEADS TO THE VIDEO INSTRUCTIONS FOR THIS KIT. I strongly recommend viewing this video. PLEASE SUBSCRIBE AND LEAVE A COMMENT/REVIEW OF THIS KIT ON THAT VIDEO.

OKTHANKYOUSOMUCHLOVEYOUBYE



GENERAL INSTRUCTIONS

Note: Contents of kits vary I load these kits up with a few staples and a few extras depending on availability.

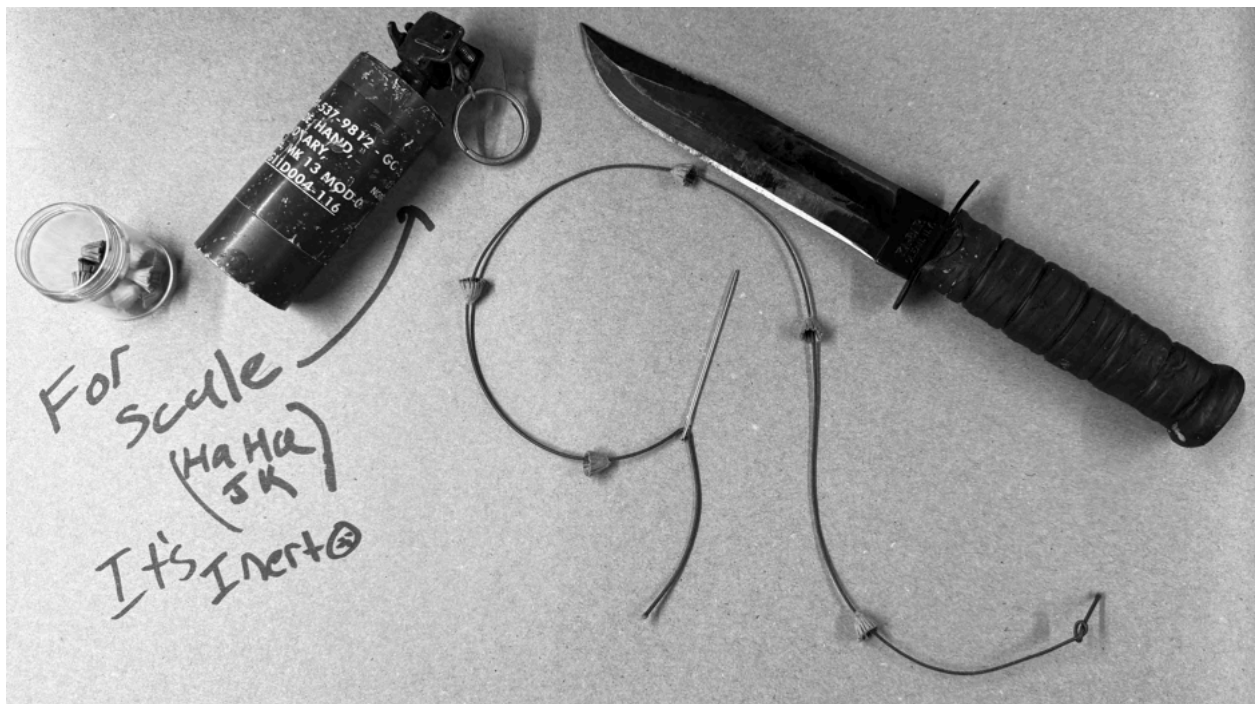
NOTE: I recommend that you not mix all of the ignition Composition or Striker Composition at one time. I have a container of each of the powders and I'll use only what I need at the time. For example, I'll make 5 pull string igniters using the PVA glue (supplied) and ignition cups (supplied) then the next day I'll figure out how to use the same ingredients for a grenade time fuse. I'll use Nitrocellulose lacquer (not supplied) though because the dry time for the ignition comp. is too long when it's inside an impermeable crimp ring tube. (You'll understand soon)

Pull String Igniters incorporate the use of a paper barrel containing an ignition cup and a cord tipped with a striker composition which is drawn through the ignition cup mix, thus creating ignition and a flame that ignites a fuse or delay composition within the barrel. **This basic design can be modified and used in several ways and applications As seen below:**

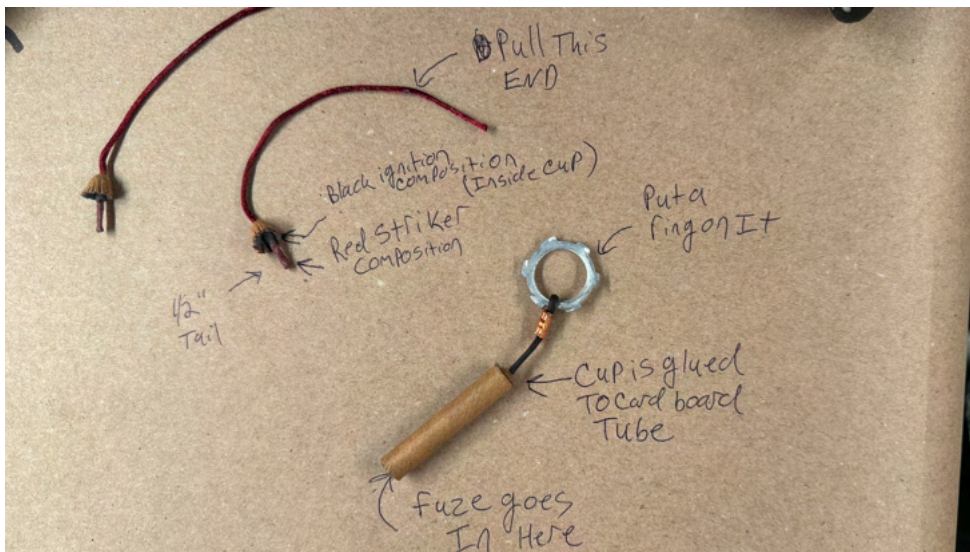


PROCEDURE

1. Using an upholstery needle, the eye of which is just large enough to accept the cord, thread the cord through the center (cup) of each paper plug. Separate the cups on the string at least 4 inches apart



2. Add some adhesive to the Black Ignition Composition to make a slurry. Add the contents of the oxidizer packet. Add more adhesive to obtain a thick pancake batter-like viscosity for use.
3.
 1. "Pour" the mixed Ignition Comp into a syringe or use a small wooden dowel and slowly fill each cup around cord about 40% full (maximum) and set aside to dry. **Do not fill the cups more than 40% full!!** Too much may cause the igniter to explode like a firecracker. You should have some composition left over. I like to leave the cups on the same string hanging cup opening up, until the ignition composition is dry enough to hold its shape, once (mostly dry) cut the cord leaving approx 1/2" tail. (If your kit contains Kevlar tripwire cord, then abrade the ends with 120 or higher grit sand paper. If the cord is not soft like satin, than it is this cord)
4. Add clear PVA glue to striker mix (RED and smells like farts) make a batter a little thinner than the ignition composition slurry. This is to allow the (thinner) composition to penetrate the cord. Dip the tips of the cord



5. hang to dry clamping the long side cord this time. Allow it to dry.
6. ALLOW THEM TO DRY COMPLETELY. I leave them on a dehumidifier or a fan to speed things up. If they don't work than they are most likely not completely dry.
7. There are hundreds of ways to use these igniters once these cups are made. See my videos for a bunch of different ideas. I've provided some tubes (varies) which will allow you to do a few basic fuse igniters. I recommend making these

cups in batches of ten at a time because there are some instances where you can use the ignition comp and striker comp without the cups (like for mousetrap spring grenade-like fuses) Here is an example of one type:

**If this is your first time, start with 5 cups and test when dry, before doing all at once. You will certainly learn something after testing them. (That's not some weird riddle, literally, you will find things to improve)

***Store your extra wet mixtures in a container with painter's/electrical tape to extend longevity. If they thicken, simply add more clear PVA glue (for the record it is Elmer's Clear school glue).

**** Scan this QR code for an unlisted video on Rumble about how to use this kit to make an M228 Fuze or similarly an M18 Fuze reusable (for Legal Devices):



Pull String Igniter - Cut-Away View

