EXOTIC 37MM PARACHUTE FLARE PROJECTILE INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE STARTING PROJECT

1) Prime a 4.5" aluminum hull by placing a #209 shotgun primer in the hole on the flat side of the 37mm hull.
2) Using Hot glue place a small amount of hot glue on the small side of a powder bushing and place in the bottom of the 37mm hull. (The small hole on the bushing should fit around the primer on the inside)
3) Measure and place 80 grains of fffg Pyrodex black powder substitute, or black powder in the bottom of the 37mm hull and in the middle of the powder bushing.

   (Note: it will fill over the bushing and that is ok.)

4) Utilizing a Parachute flare tool (sold separately) place the long paper tube over the tool till it sits flat.
5) Place a fuse in tube and into the hole in the parachute flare tool. Place a paper disc with a hole on it in the tube over the fuse till it sits flat on the top of the parachute flare tool.
6) Fill the tube with hot glue till it is even with the top and place a second disc with a hole in it over the fuse and on top of the hot glue. (let sit till dry)
7) Attach Parachute strings to metal loop on the Flare Projectile.
8) Once dry turn paper tube over (fuse and plug side down) , measure and pour 25 grains of BP into the tube.
9) Fold and wrap Parachute to fit in tube. Lower flare projectile into tube and press the parachute into the tube till completely inside the paper tube.
10) Place pushing cup over end of tube. (do not glue)
11) Cut the fuse on the bottom of the payload cup 1/2" from the bottom of the cup at a 45 degree angle. Dip fuse end in super glue then into BP so that it is completely covered.
12) Place two rubber bands around the projectile approximately ¼" from the fused bottom. Push the payload cup firmly into the 37mm hull until it sits on the bushing.

Note: If you live in a humid area or are not planning on firing the flare right away it is a good idea to seal the edge of the casing and payload cup with hot glue or nail polish to prevent moisture from getting to the boosting charge.

Pushing Cup used as cap

Pushing Cup for end Cap

Completed Projectile

Parachute

Paper Tube

Rubber Band

Flare Projectile With Flare Comp

80 grains BP

Powder Bushing

25 grains BP

1/2" Hot Glue

37mm Aluminum casing

Green Visco Fuse

Visco Fuse dipped in super glue then BP

209 shotgun primer