

\$ 2.00

**Friction
Detonator
for
Rockets,
Booby Traps,
Mortars and
more!**

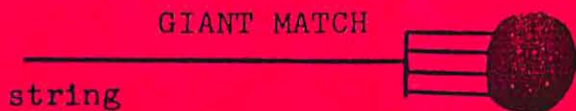
FRICITION DETONATOR

Supplies:
one box of stick matches
string
scotch tape
glue
one heavy paper grocery bag

Step 1

Make a giant match by taking 3 stick matches and cut all but 1/2" of the wood off. Tie them together with a long string, wrap scotch tape around it, and set it aside. Then pick the white heads off of about 25 stick matches and put them in a glass ashtray. Add a couple of drops of water and lightly mash them with a spoon. Pack this paste around the 3 matches and set the arrangement on the ashtray like a cigarette, turning it occasionally. It will dry hard.

GIANT MATCH



Step 2

Cut 3 pieces of the striker into 3/4" strips and peel as much of the paper off the back as you can. Then cut a length of paper from the bag about 2 1/2" long and 6" wide. Glue the strikers, side by side, in the middle of the 2 1/2" side of the paper, starting at one side.

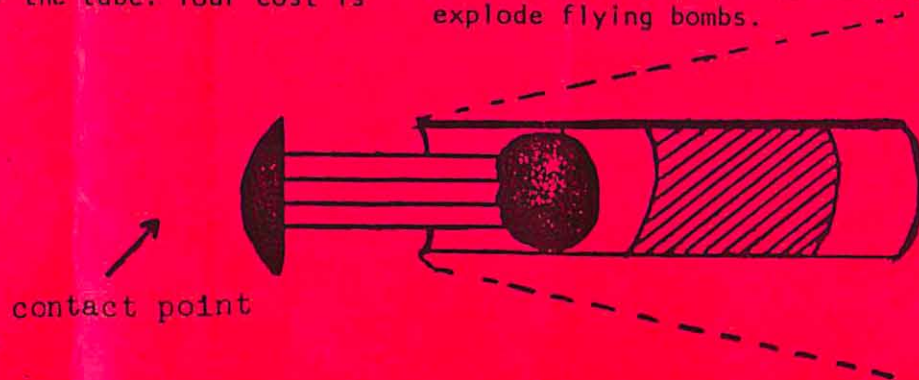


Step 3

Lay the match on the paper, with the match head being about 1/4" above the striker. Then roll the whole thing into a tube and glue it closed. The tube should be tight enough to hold the match in place, but not tight enough to grip the match. When you pull the string, the match will slide over the striker, ignite, and send a violent jet of flame out of the tube. Your cost is about 3¢.



This detonator should be inserted in a metal tube and is used in manually detonated mines. If you reverse the match position and lengthen the sticks, it can be used to explode flying bombs.



Cutaway view of friction detonator
(used to detonate flying bombs)