

SWARM

TM



FLYING HIGH POWER ROCKET

WITH A SINGLE 38mm MOTOR MOUNT AND EIGHT 24mm MOTOR MOUNTS, THE SWARM CAN HANDLE ALL THOSE LARGE CLUSTERS THAT YOU DREAM ABOUT. THIS UNIQUE KIT FEATURES :

- CUSTOM TURNED HARD BALSAM NOSE
- PRE-CUT FINS
- 24" NYLON PARACHUTE
- PRE-CUT CUSTOM CENTERING RINGS

Length: 43"

Diameter: 4"

Weight: 35oz

Recommended Motors:

G80-4, G80-7 AND (8)D11P, H90-10 AND (8)D11P, H123-10 AND (8)D11P

This is a kit requiring assembly. Launch system, engines, glue, and finishing supplies are not included.

STEP 9

- A. Install the screw eye into the nose cone.
- B. Unscrew the eye, add a drop of epoxy into the hole, and reinstall the eye.

STEP 10

- A. Seal and prime rocket as desired.
- B. Paint and finish as desired.

Step 11

- A. Attach shock cord to the shock cord mount, and the nose cone.
- B. Attach parachute to the screw eye.

STEP 12

- A. Always follow the motor manufacturer's guidelines.
- B. Always use biodegradable wadding to protect the parachute during ejection.

ASSEMBLY INSTRUCTIONS**Items you will need to****assemble this kit:**

- ◆ PENCIL
- ◆ HOBBY KNIFE
- ◆ SANDPAPER
- ◆ EPOXY
- ◆ PAINT (your choice)

PARTS LIST

- ◆ 4 INCH DIAMETER BODY TUBE
- ◆ Balsa NOSE CONE
- ◆ (2) CENTERING RINGS
- ◆ 38mm MOTOR TUBE
- ◆ (8) 24mm MOTOR TUBES
- ◆ (8) PRE-CUT FINS
- ◆ LAUNCH LUGS
- ◆ SHOCK CORD AND MOUNT
- ◆ SCREW EYE
- ◆ 28" PARACHUTE

STEP 1

Epoxy the 24mm motor tubes around the 38mm motor mount as shown in Figure 1.

STEP 2

Sand the leading and trailing edges of the fins as desired.

STEP 3

Epoxy fins into the motor mount seams. Use Figure 1 again for assistance.

STEP 4

A. Slide the centering ring without the shock cord mount holes over the 38mm tube until it rests on top of the 24mm motor tubes.
B. Epoxy the centering ring into place. Be careful not to allow epoxy to run into the open motor mount tubes.

STEP 5

Epoxy the other centering ring 1/4 inch from the end of the 38mm motor tube.

STEP 6

Assemble the shock cord mount as shown in Figure 2.

STEP 7

Draw a straight line down the body tube. Epoxy one launch lug 2 inches from the bottom, and the other 18 inches from the bottom.

STEP 8

Install the motor tube/fin assembly into the body tube. Make sure the fins butt up against the body tube. Be sure the launch lugs lie between two of the fins.

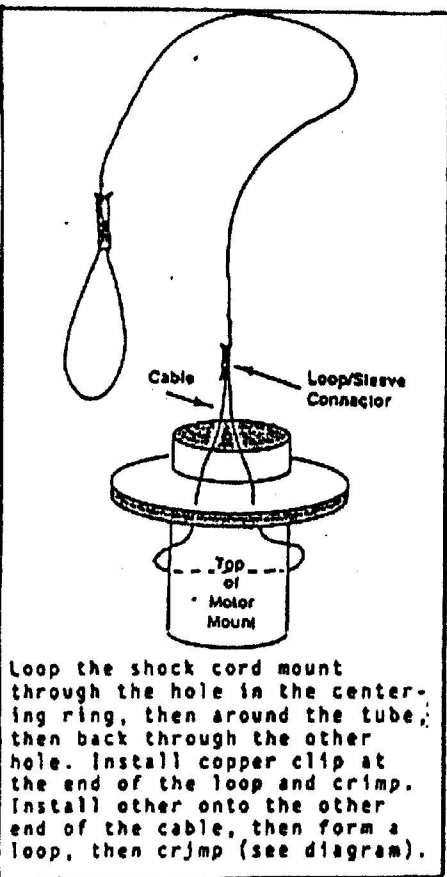


FIGURE 2

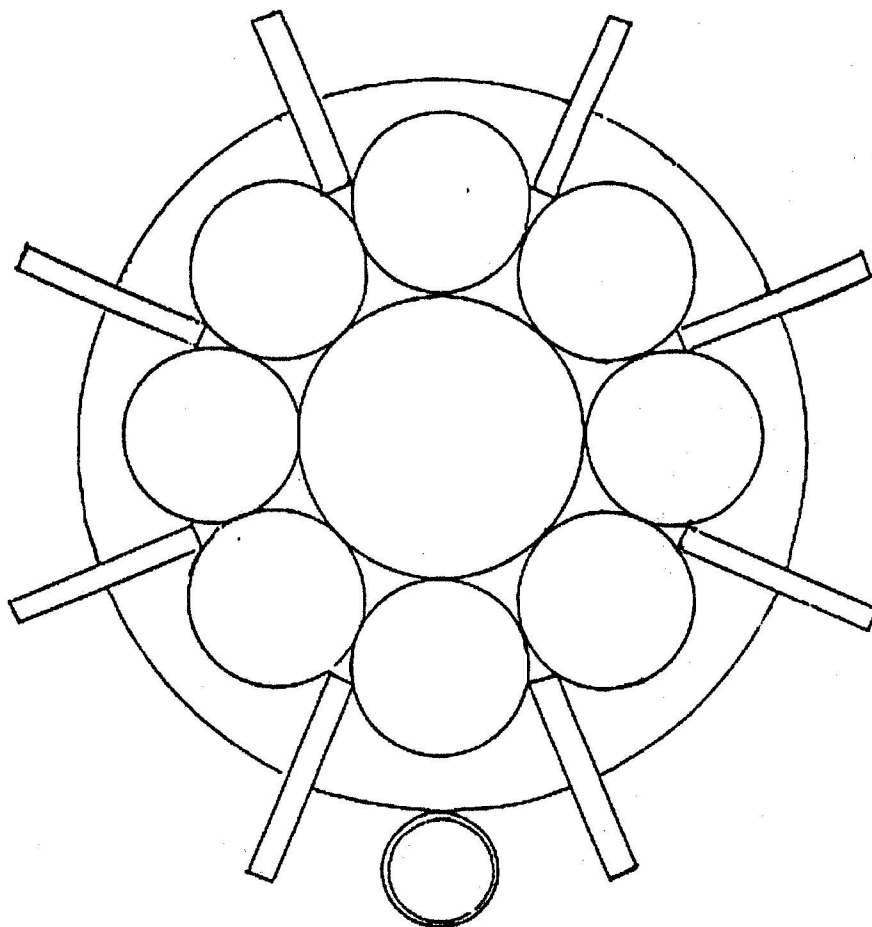
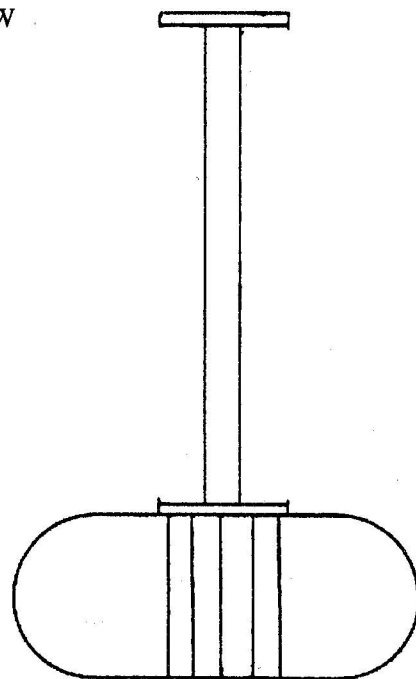
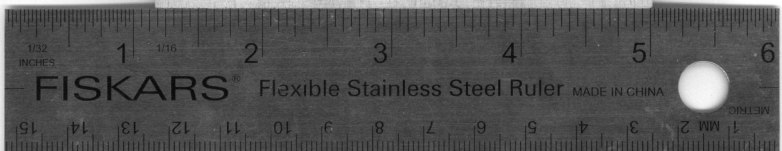


FIGURE 1
AFT VIEW



FINISHED MOTOR
BLOCK / FIN ASSEMBLY





933 Armstrong St. 1191



