AUGMENTED PLUTO PROBE

ROCKET

INTRODUCTION: The Pluto design is reminiscent of several augmented rockets used by NASA to launch orbital payloads. The open end augmenter tubes help stabilize the Pluto, thus permitting the use of small triangular fins. Dress the Pluto up with some official looking decals and you'll have a real attention getter for your next rocket meet.

PARTS LIST

1	ST138	Body Tube	1	PR713	Paper Reducer
4	ST56	Body Tubes	1	SC18	Shock Cord
1	ST79	Body Tube	1	CP16	Parachute
1	EM13	Engine Mount	1	BC71	Nose Cone
1	LL1	Launch Lug	1	AR13	Anchor Ring w/Lock Ring
1	Balsa	1/16"x2 1/2x3"	1	EL1	Engine Lock

ASSEMBLY INSTRUCTIONS

1 Assemble the EM13 engine mount. If you wish to use an engine lock, refer to Fig. 1 for modification of standard assembly instructions. Printed on EM header card. Cement the engine mount into the base of the ST138 body tube.

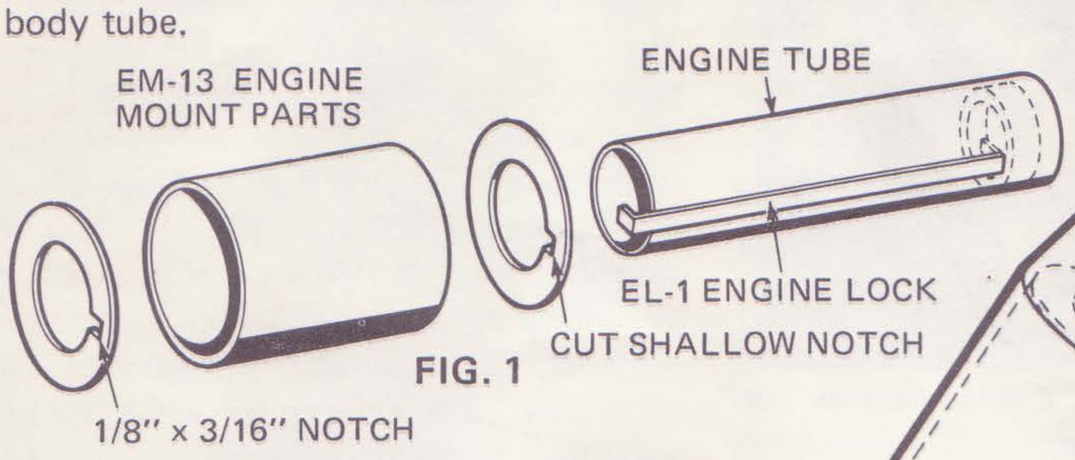

FIG. 1

2 Cut the four ST56 augmenter tubes as shown in Fig. 2. Cement the augmenter tubes to the main body at 90° intervals. The base of these tubes are extended ½" past the bottom of the main body. Glue the launch lug in place.

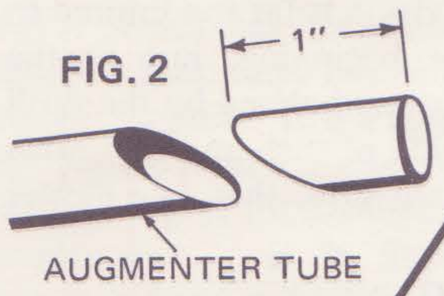

FIG. 2

FIG. 3

3 Cut out the fins (Fig. 3), fillercoat, sand and cement to the augmenter tubes.

4 Assemble the PR713 paper reducer and attach it to the ST79 "upper stage" body tube. Fillercoat and sand the nose cone and set in place

5 Attach the shock cord to the anchor ring and cement into the main body. Attach the free end of the shock cord to the shroud line in the base of the "upper stage" (PR713). Assemble the CP16 parachute and attach the ends of the shroud line to the "upper stage" shroud line.

6 Paint the model the colors of your choice and apply decals.

Fly the Pluto with the following engines:

A8-3 B6-4 C6-5