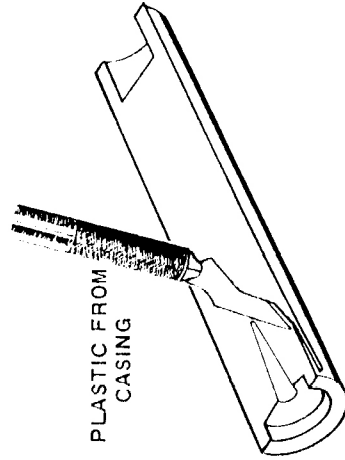
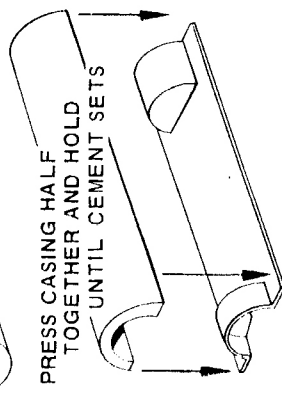
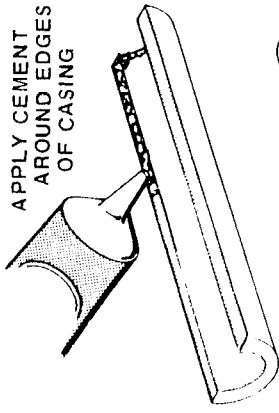
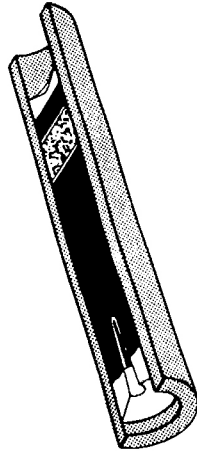







11 Apply plastic model cement to the engine casing half over the area shown in the illustration. Apply enough cement to cover the surface in these areas, but do not slop it on. Place the molded plastic engine piece face down on a flat surface. Press down the casing half in place and hold it until the cement sets.

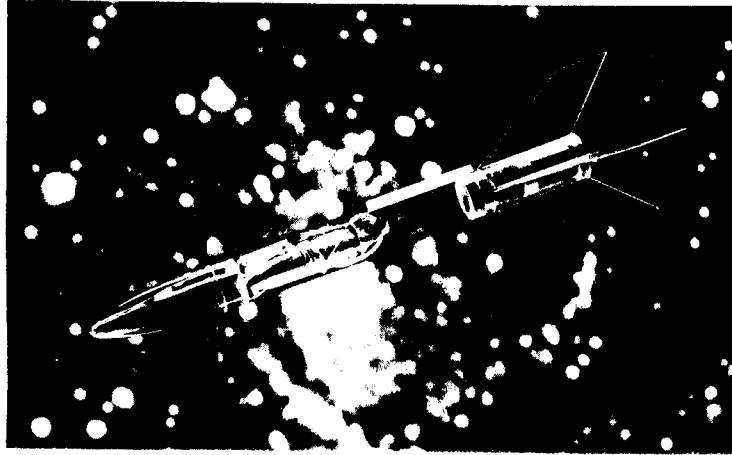


12 After the cement on the engine cutaway assembly has completely dried, trim the extra plastic from around the edges of the tube half. Use a very sharp knife and work carefully to avoid cutting the work tube. Paint the plastic using enamel paint of the type which is especially



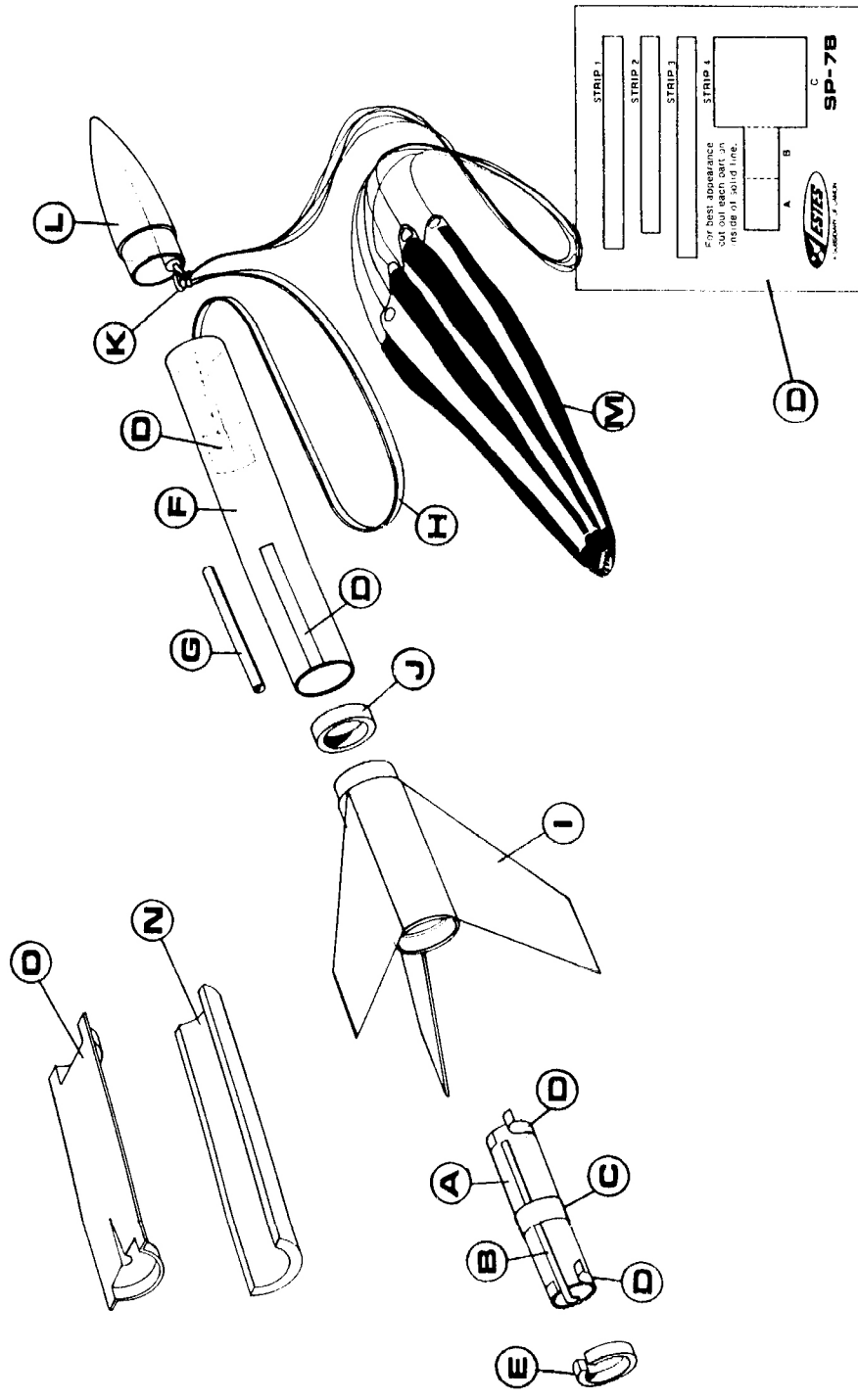
-  BLACK
-  BROWN
-  ORANGE

formulated for use on styrene plastics (Testor's Pla, Pactra 'Name!, etc.). One suitable paint pattern is shown above. After the paint is dry, slip the cutaway engine into the model's engine mount. Your Astron Phantom is finished.



PHANTOM

K-7B



PARTS LIST

A. 1 Engine Mount Tube.....	PST-20J
B. 1 Engine Hook.....	EH-2
C. 1 Retainer Ring.....	HR-20
D. 1 Self-Adhesive Paper Sheet.....	SP-7B
E. 1 Split Adapter Ring.....	AR-2050S
F. 1 Body Tube.....	PST-50FJ
G. 1 Launch Lug.....	LL-2B
H. 1 Shock Cord.....	SC-1
I. 1 Fin Unit.....	PF-50C
J. 1 Adapter Ring.....	AR-2050
K. 1 Screw Eye.....	SE-3
L. 1 Nose Cone.....	PNC-50KC
M. 1 Parachute.....	PK-10R
N. 1 Engine Casing Half.....	CE-2A
O. 1 Molded Engine Face.....	CE-2B

In addition to the parts above, you will need scissors, a knife, white glue, enamel paint, and plastic model cement.

Check to be sure your kit is complete. Then read the entire instructions before beginning to assemble your model. As you build the model, check off each step as you complete it.

ASSEMBLY INSTRUCTIONS

1 Cut a 1/8" long slit in the engine mount tube, exactly 1/4" from the end of the tube as shown.

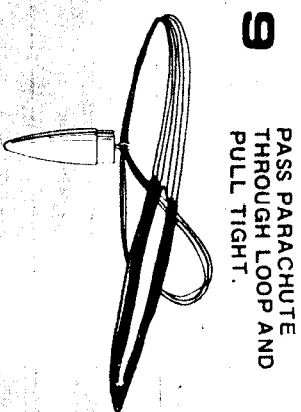
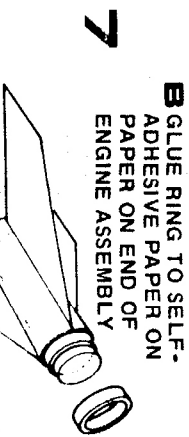
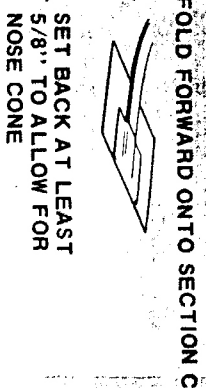
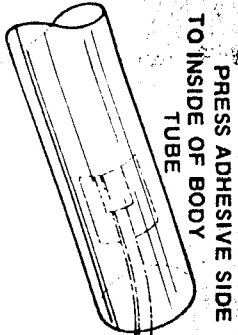
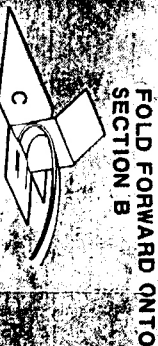
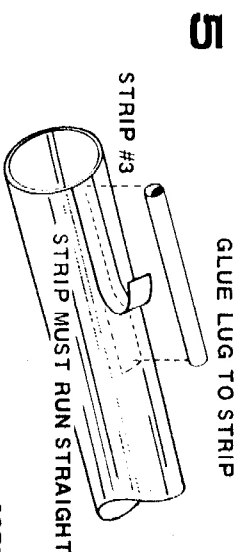
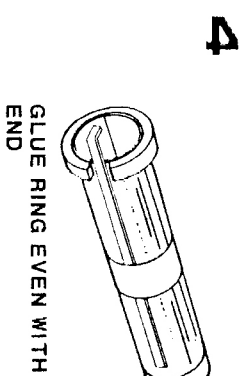
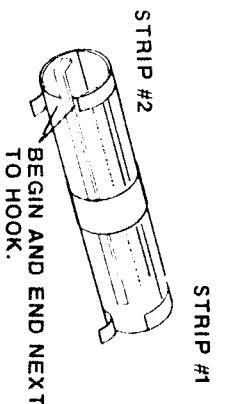
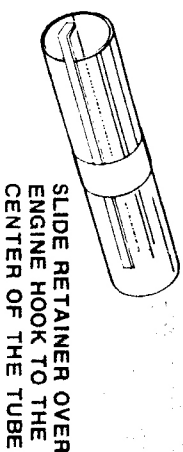
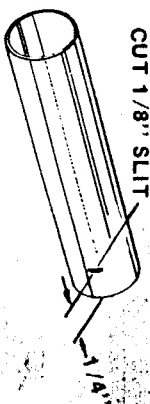
2 Poke the end of the engine hook through the slit. Lay the hook along the tube. Slide the retainer ring over tube and hook until it is midway along the hook. A spot of white glue may be applied under the ring to keep it from sliding.

3 Cut out strips 1 and 2 from the self-adhesive paper. Peel the backing from strip 1. Wrap it around the end of the engine mount tube in which the slit was cut. The edge of the paper should be even with the edge of the tube. Wrap strip 2 around the other end of the tube. This strip should start next to the engine hook, go around the tube, and end next to the hook on the other side. It should not cover the hook.

4 Glue the split adapter ring to the rear end (the end at which the engine hook projects past the end) of the engine holder tube. The edge of the ring should be even with the edge of the tube. Make sure the hook is free to move up and down in the gap in the ring.

5 Cut out strip 3 from the self-adhesive paper. Peel the backing from the strip and apply the strip, lengthwise, to one end of the body tube. The strip must run straight on the tube. Press the strip down firmly, then glue the launch lug to the strip.

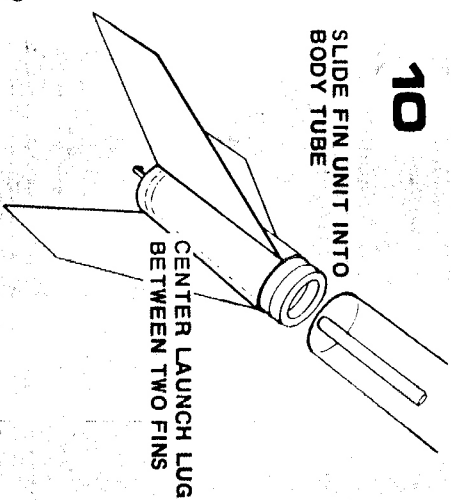
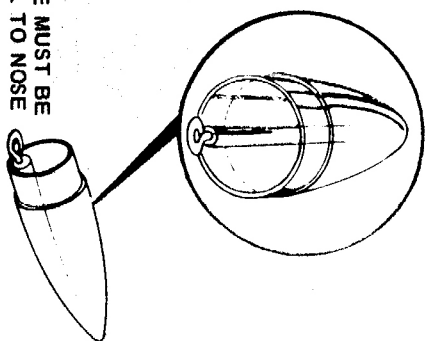
6 Cut out the snook cord mount (part 4) from the self-adhesive paper. Before peeling, fold the paper and crease it at each dotted line. Next peel the backing from section (A).



8

10

SCREW EYE MUST BE PARALLEL TO NOSE CONE



Press the end of the shock cord onto this section as shown. Peel the backing from section (B) and fold so the adhesive side of section (A) is pressed firmly against the adhesive side of section (B). Peel off the rest of the backing and fold the shock cord and section (B) onto the adhesive. Slide this assembly down inside the body at the opposite end from the launch lug. When the top of the shock cord mount is in at least 5/8" from the end of the tube, press it tightly to the side of the tube.

7 Slide the engine mount assembly into the fin unit from the rear. The split adapter ring fits all the way into the rear of the fin unit. Turn the engine mount so the hook is midway between two fins. Check the fit of the remaining adapter ring on the front of the engine mount tube. If it is too tight to fit over the self-adhesive strip, peel a thin layer of paper from the inside of the ring. Glue the ring on the front of the engine mount tube so it fits tightly against the front of the fin unit and locks the engine mount securely in place.

8 Insert the screw eye into the hole in the rear of the nose cone. Turn the eye so it is parallel to the rear side of the nose cone.

9 Locate the center of each shroud line on the parachute. Fold the shroud lines at this center and poke them through the screw eye for about three inches. Open the lines up into a loop on the other side of the screw eye, pass the parachute through this loop, and pull tight. Apply a spot of glue to the lines where they knot around the screw eye.

10 Slide the body onto the fin unit, turning it so the launch lug is centered between two fins. It is not necessary to glue this joint. Tie the free end of the shock cord to the screw eye.

STRIP 1

STRIP 2

STRIP 3

For best appearance
cut out each part on
inside of solid line.

STRIP 4

A

B

C



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SP-7B

82.832

Astrox PHANTOM



- IDEAL FOR DISPLAYS & DEMONSTRATIONS
- SHOWS INSIDE OF TYPICAL MODEL ROCKET

SKILL LEVEL 1

1—Beginner 2—Intermediate 3—Craftsman 4—Advanced 5—Expert

SPECIFICATIONS

Length 12.5" (32 cm.)

Weight 1.38 oz. (39.2 g.)

Body Dia. 3.875" (99.3 mm.)

Not a flying model

K-12
1987

GWTS INDUSTRIES
MILWAUKEE, WIS. 53209