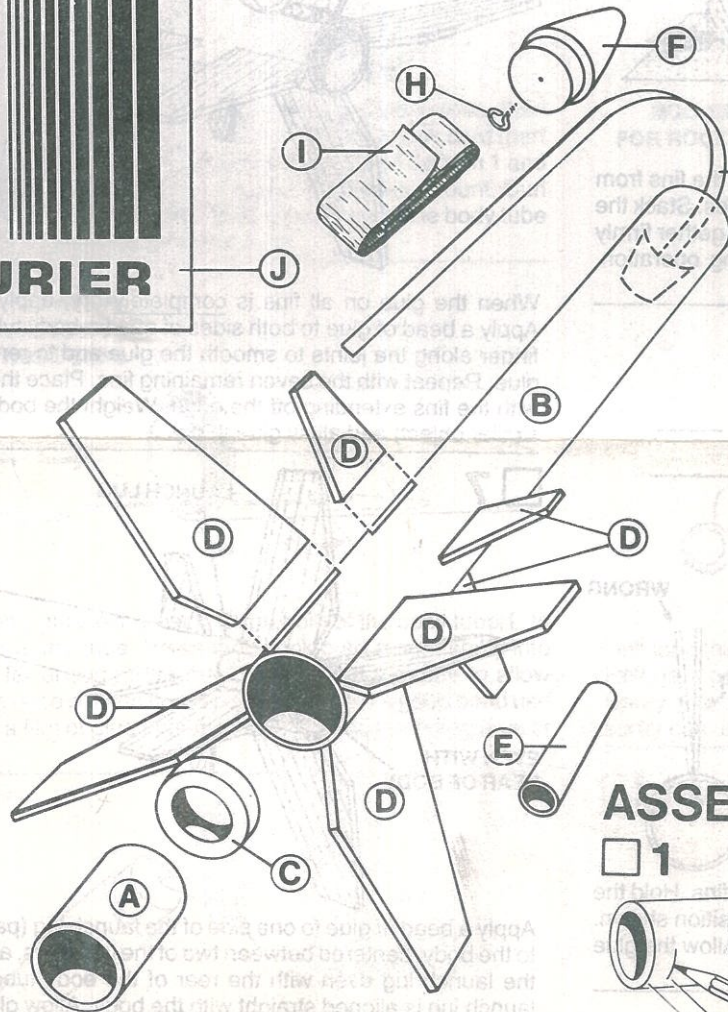
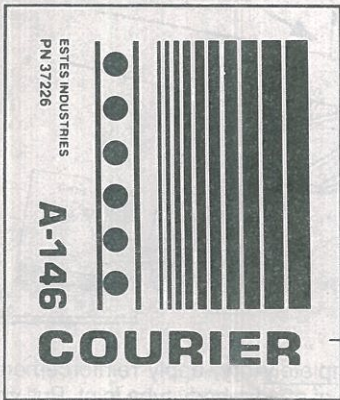


INCHES

COURIER

SKILL LEVEL 1 -
RECOMMENDED FOR BEGINNING ROCKETEERS



BEFORE YOU START

Read each step and study the accompanying drawings before doing any of the work called for in that step. Make sure you have all parts and materials. Check off each step as you complete it. Always test-fit parts together before applying glue. It will sometimes be necessary to sand edges of rings, tubes, etc. to obtain proper fit. If you are in doubt about the relative size or location of some parts, refer back to this exploded view drawing for clarification. Adequate glue joints are very important for a flying model rocket. Follow the instructions carefully in this respect.

RECOMMENDED ENGINES 1/2A6-2, A8-5, B4-4, B4-6, B6-4, B6-6, B8-5, C6-5, C6-7

PARTS LIST KIT NO 1911

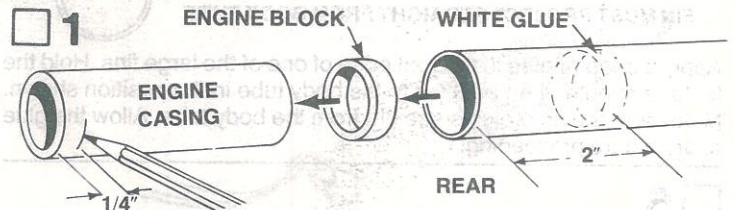
A	1	Dummy Engine Casing	35006
B	1	Body Tube (type BT-20N)	30336
C	1	Engine Block (type AR-520)	30162
D	1	Balsa Die-Cut (type BF-1911)	32611
E	1	Launch Lug (type LL-2A)	38175
F	1	Nose Cone (type BNC-20AM)	70226
G	1	Shock Cord (type SC-1B)	85734
H	1	Screw Eye (type SE-2A)	38252
I	1	Streamer (type RS-20)	38278
J	1	Decal (type KD-1911)	37226

TOOLS AND MATERIALS

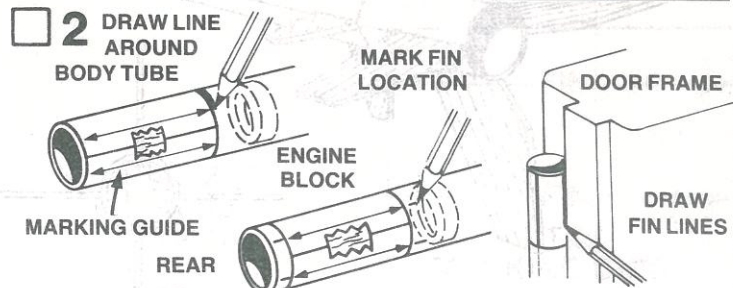
In addition to the parts included in this kit you will need: Scissors, pencil, ruler, fine or extra-fine grit sandpaper, sanding sealer, a medium-size modeling paint brush, modeling knife with sharp blade, gloss orange enamel spray paint, small bottle of black enamel paint, and household white glue or resin glue (Elmer's, Titebond, or similar). Other types of glue are not recommended.

For easy and positive alignment of the fins on your model, we recommend the use of Estes' Fin Alignment Guide, Part No. 2231.

ASSEMBLY INSTRUCTIONS



Mark the dummy engine casing (part A) 1/4" from one end. Spread a 1/2" wide band of glue around the inside of the body tube (part B) about 2" in from one end. Insert the engine block (part C) into this end. Push the engine block into place with the dummy engine casing until the mark on the casing is even with the end of the body tube. **CAUTION:** Once you have started to push the block forward, **DO NOT STOP** until it is in place, and then remove casing immediately!



Cut the body tube marking guide from page 3 of these instructions. Wrap the guide around the same end of the body tube in which the engine block was installed. Tape the ends of the guide together. Make sure the end of the guide is even with the end of the tube, then draw a line around the tube at the other end of the guide. Slide the guide forward a short distance and mark the fin locations on the tube at each arrow point. Remove the guide. Draw lines connecting each pair of marks. The inside edge of a door frame may be used as a guide to draw these lines. Extend the lines about 4" from the rear of the tube.