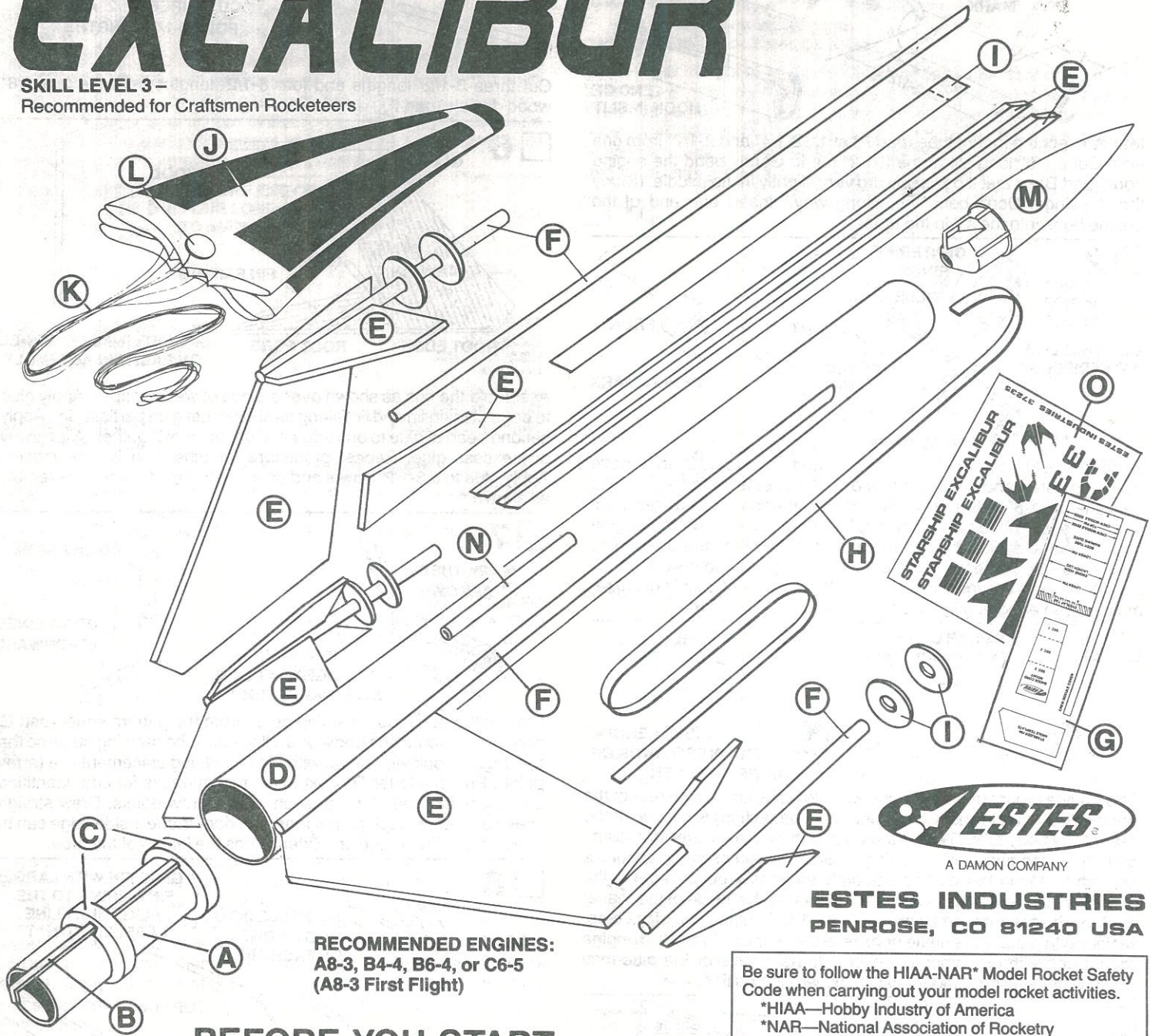


# STARSHIP EXCALIBUR

**SKILL LEVEL 3—**  
Recommended for Craftsmen Rocketeers

INCHES  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10



**RECOMMENDED ENGINES:**  
A8-3, B4-4, B6-4, or C6-5  
(A8-3 First Flight)



**ESTES INDUSTRIES**  
PENROSE, CO 81240 USA

Be sure to follow the HIAA-NAR\* Model Rocket Safety Code when carrying out your model rocket activities.  
\*HIAA—Hobby Industry of America  
\*NAR—National Association of Rocketry

## 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.

## 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, masking tape, modeling knife with sharp blade, gloss white enamel spray paint, and household white glue or resin glue (Elmer's, Titebond, or similar). Other types of glue are not recommended.

## PARTS LIST

## KIT #1920

A	1	Engine Body Tube (type BT-20J) 2-3/4" Long	30326
B	1	Engine Hook (type EH-2)	35025
C	2	Centering Rings (type AR-2050)	30164
D	1	Body Tube (type BT-50L) 12-3/4" Long	30366
E	1	Die-Cut Balsa Sheet (type BF-1920)	32620
F	4	Wood Dowels (type WD-1920) 12" Long	85901
G	1	Pattern Sheet (type SP-1920)	83682
H	1	Shock Cord (type SC-1B)	85734
I	1	Die-Cut Card (type DC-1920)	32440
J	1	Parachute (type PK-12)	85564
K	1	Shroud Line (type SLT-72)	38237
L	1	Tape Discs (type TD-3F)	38406
M	1	Nose Cone (type PNC-50KA)	71028
N	1	Launch Lug (type LL-2A)	38175
O	1	Decal (type KD-1920)	37235