

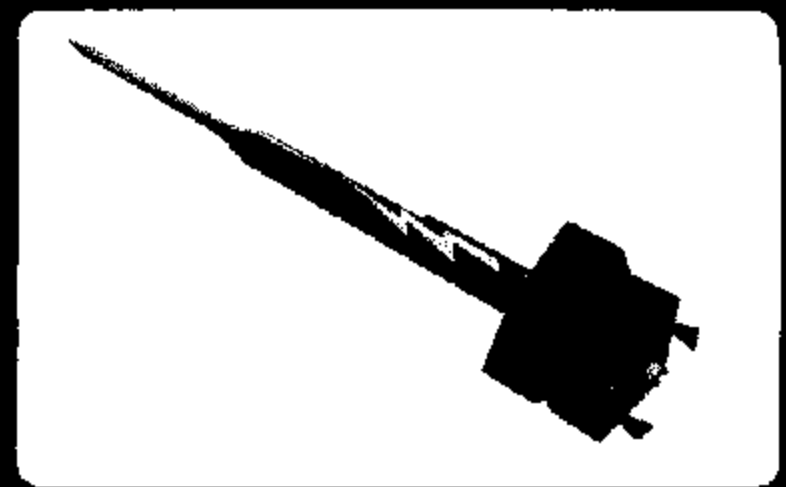
Estes Industries Rocket Plan #67

BLUE LIGHTNING

AUGUST, 1969

DESIGN OF THE MONTH WINNER

By Ivan Joe Sandman Lewistown, Mont.



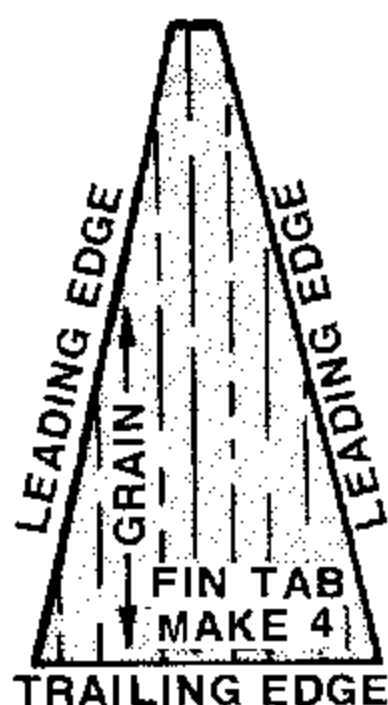
PUBLISHED AS A SERVICE TO ITS CUSTOMERS BY ESTES INDUSTRIES, INC., BOX 227, PENROSE, CO. 81240

© ESTES INDUSTRIES 1970

PARTS LIST

1	Launching Lug	Part #LL-2C
1	Nose Cone	#BNC-20N
1	18" Body Tube	#BT-60
1	8.65" Body Tube	#BT-20B
1	Balsa Adapter	#TA-2060
2	Sheets Balsa Stock	#BFS-40
1	Engine Mount Kit	#EH-2060
1	Snap Swivel	#SV-12
1	Screw Eye	#SE-1
1	Shock Cord	#SC-2
1	Parachute Kit 24"	#PK-24
1	Engine Holder	#EH-2

In addition to the parts listed above you will need white glue, scissors, masking tape, a model knife, sandpaper, a brush, paint or dope in your choice of colors.



NOTE: GLUE MAIN FIN AND MAIN FIN FILLER TOGETHER BEFORE CUTTING OUT SLOT FOR FIN TAB.

ENGINE MOUNT ASSEMBLY

Cut a slot 1/4" from front of BT-20J tube. Insert engine holder EH-2 into slot. Tape EH-2 to BT-20J tube as shown. Glue rings to JT-60C coupler as shown. Slide engine holder and BT-20J tube into coupler. It will be in place when front ring and slot are even. Apply a good fillet of glue around both ring tube joints.

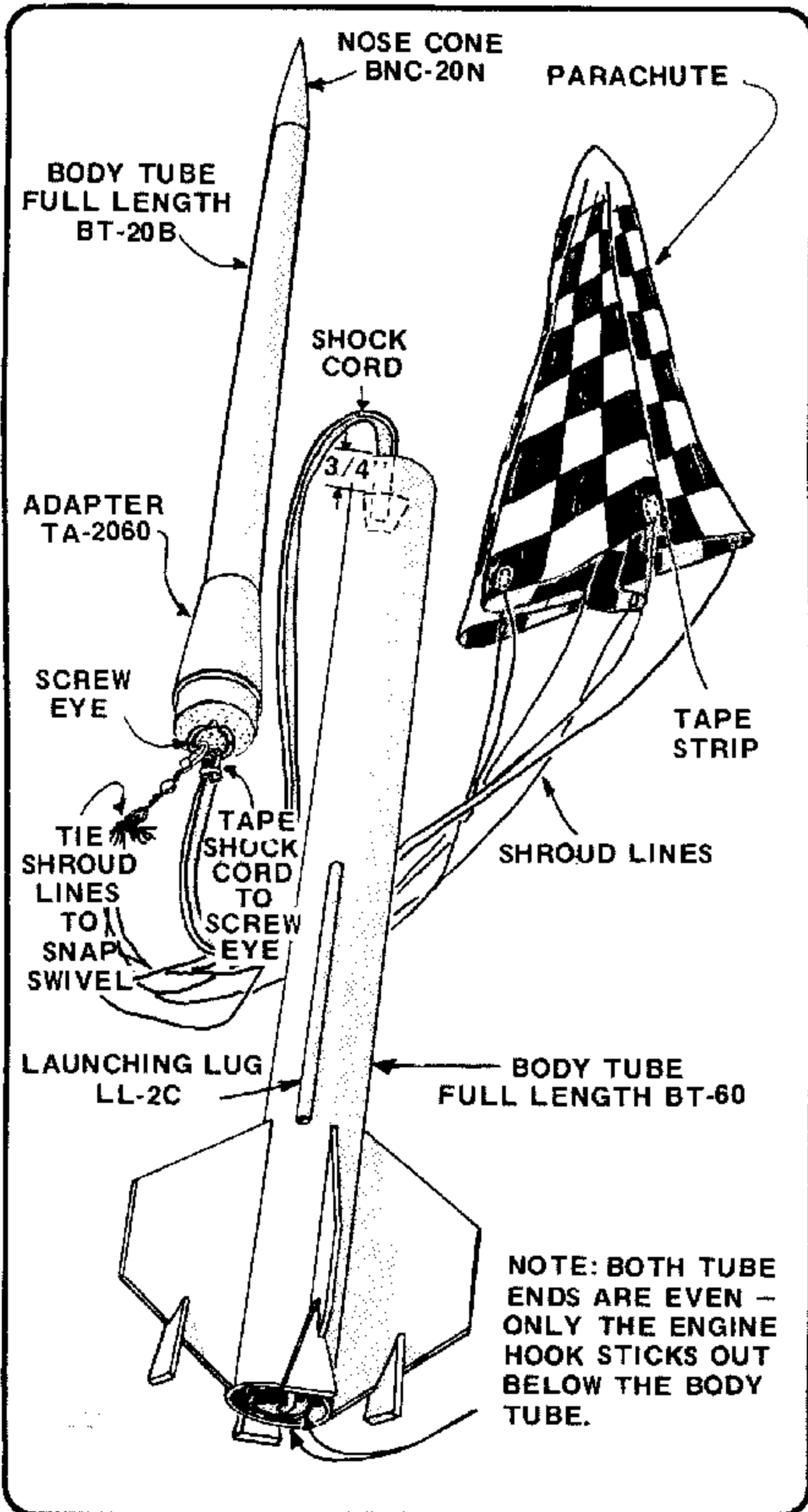
ATTACH SHOCK CORD TO ANCHOR AS SHOWN

Apply glue and position in tube.

FOLD

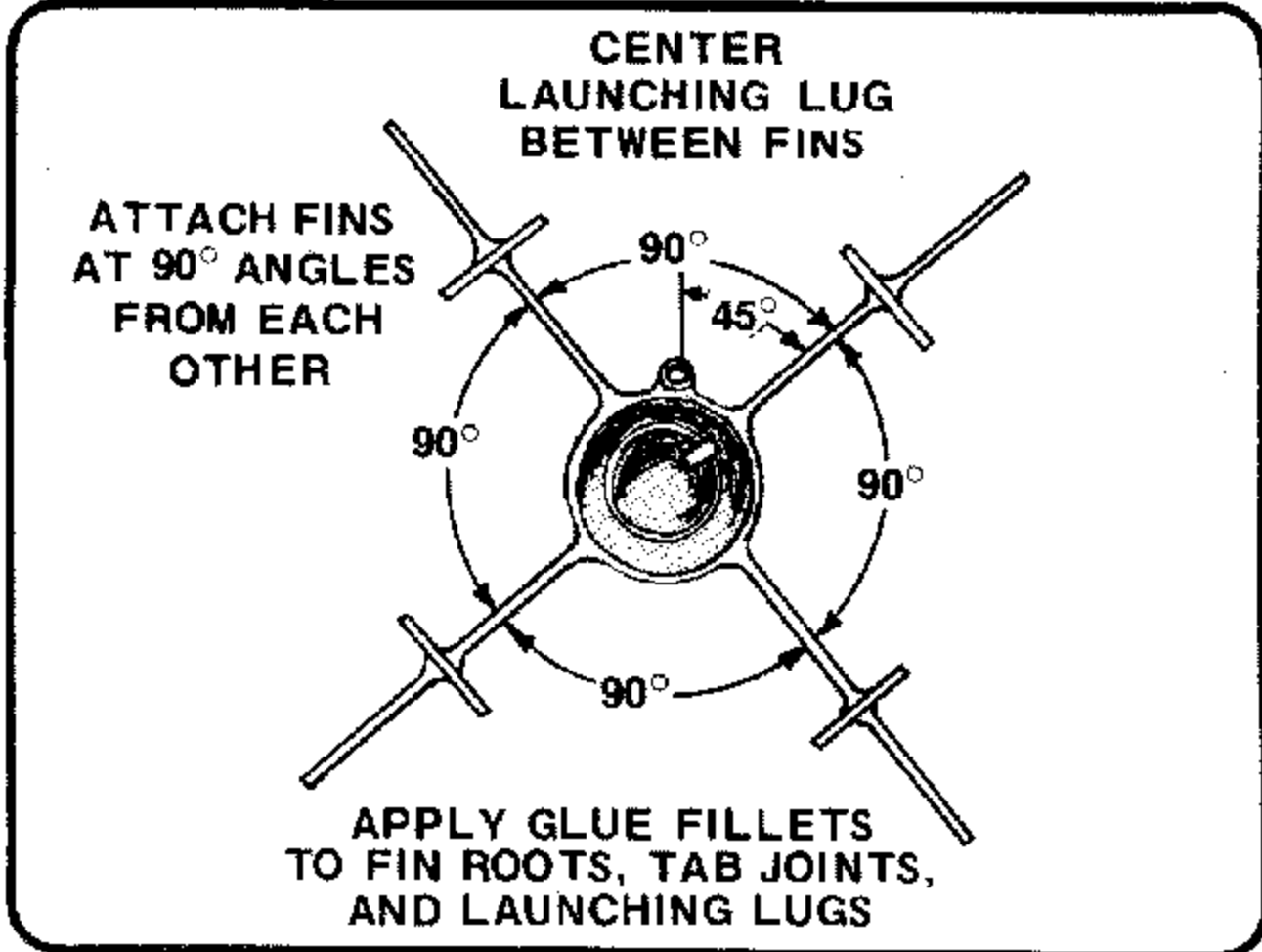
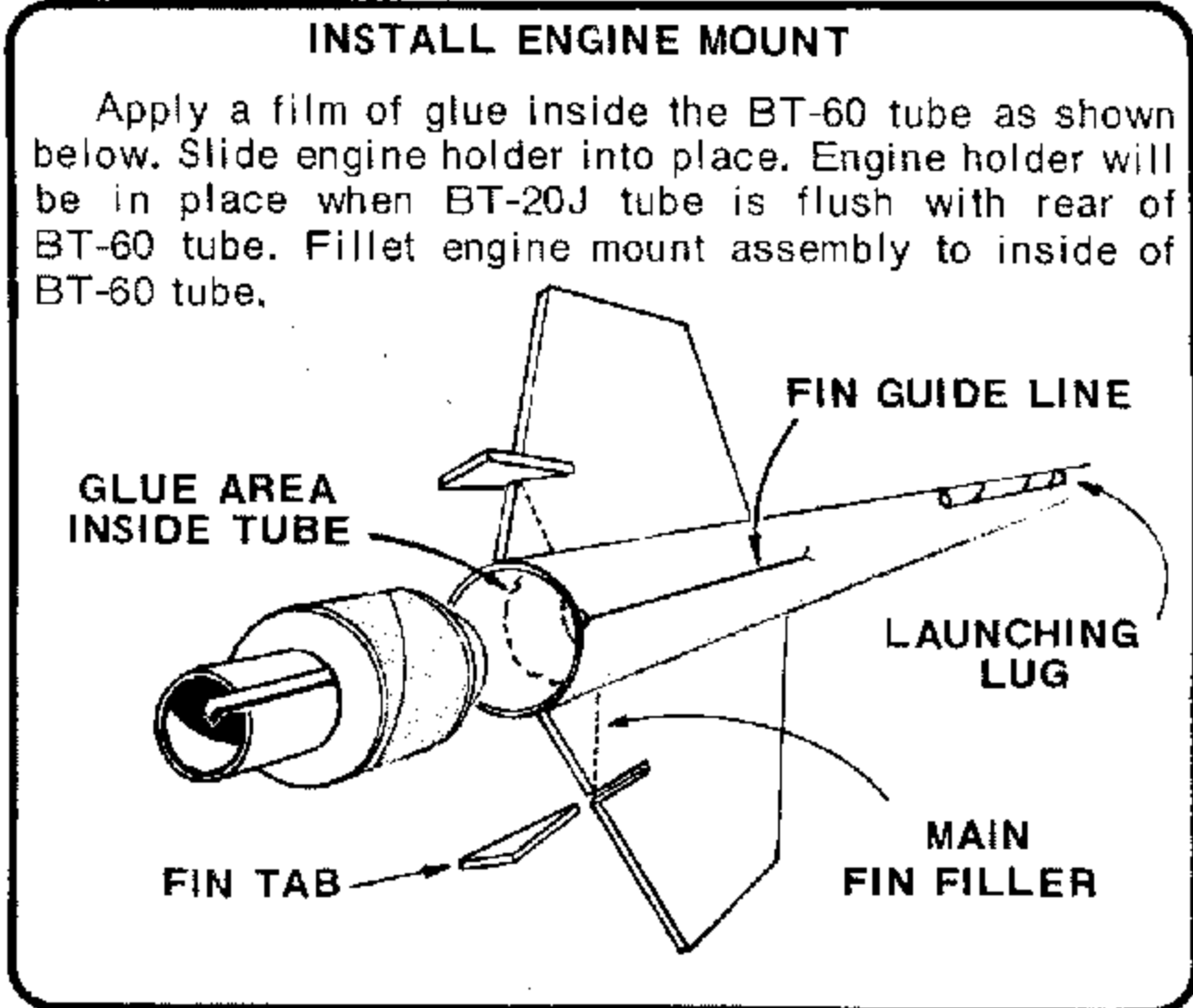
SHOCK CORD ANCHOR

PATTERN ONLY



NOTE: BOTH TUBE ENDS ARE EVEN - ONLY THE ENGINE HOOK STICKS OUT BELOW THE BODY TUBE.

Attach screw eye to adapter as shown in the technical section of your ESTES Model Rocket Catalog.
 Mark BT-60 tube for fins using tube marking guide.
 Insert engine holder unit in BT-60 tube as shown below.
 Copy fin and fin tab pattern onto BFS-40, cut out, sand all leading and trailing edges round.
 Attach fins, fin tabs, and launching lug as shown below.
 Glue adapter to BT-20B tube and insert nose cone. Do not glue nose cone in if payload is desired.
 Attach recovery system as shown.



RECOMMENDED ENGINES

A8-3, B6-4 AND C6-5
 USE AN A8-3 FOR FIRST FLIGHT

Sleek design and generous size make the Blue Lightning an excellent sport or demonstration model. Ivan states the fin tabs were designed to absorb landing shock but also provide ample support while the bird is on display.

SPECIFICATIONS

LENGTH.....	31.5"
FIN SPAN.....	7.6"
BODY DIAMETER.....	1.6"
WEIGHT	3.25 oz.

RECOVERY GEAR: USE A: 24" PARACHUTE FOR CALM WEATHER
 In winds over 10 mph use a 12" chute. For duration drifts use two 24" chutes.

When flying the Blue Lightning use 7 squares of flameproof wadding.

Suggested colors for the "Blue Lightning" are two shades of Blue.