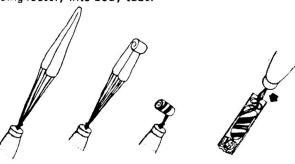


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COUNTDOWN CHECKLIST

15 Pack four squares of crumpled recovery wadding loosely into body tube.



14 Fold the parachute into a triangular shape. Roll 'chute tightly as shown and wrap shroud lines around it. If 'chute is too large, unroll and repack until it slides easily into rocket. A very tight fit may prevent parachute from ejecting properly.

13 Pack shock cord neatly into rocket. NOTE: DO NOT pack parachute until you are actually ready to launch. For maximum parachute reliability, lightly dust the 'chute with ordinary talcum powder before each flight, especially in cold weather.

12 Slide nose cone into place. Nose cone should separate easily from rocket body tube, but not be extremely loose. If fit is too tight, sand inside of body tube end and shoulder of nose cone with extra fine sandpaper.

	Select an	engine an	d install ar	igniter as
directed	in the er	igine instru	ctions. Engi	nes recom-
mended	for use wi	th this rock	et are A8-3	, B6-4, and
C6-5. Us	se A8-3 for	first flights.	•	

10 Insert engine into rocket. Engine hook must latch securely over the end of the engine.

**9** Disarm the launch panel--remove safety key.

8 Place rocket on launch pad making sure rocket slides freely on launch rod. Clean the micro-clips and attach them to the igniter.

7 Clear the launch area, alert recovery crew and trackers. Check for low flying aircraft and unauthorized persons in the recovery area.

**6** Arm the launch panel--insert safety key.

□ 5 □ 4 □ 3 □ 2 □ 1 LAUNCH!

### MISFIRE PROCEDURE:

Occasionally the igniter will heat and burn in two without igniting the engine. This is almost always caused by a failure to install it correctly. Disarm the launch panel, remove the model, clean the igniter residue from the nozzle, and install a new igniter. Follow the launching procedure again.

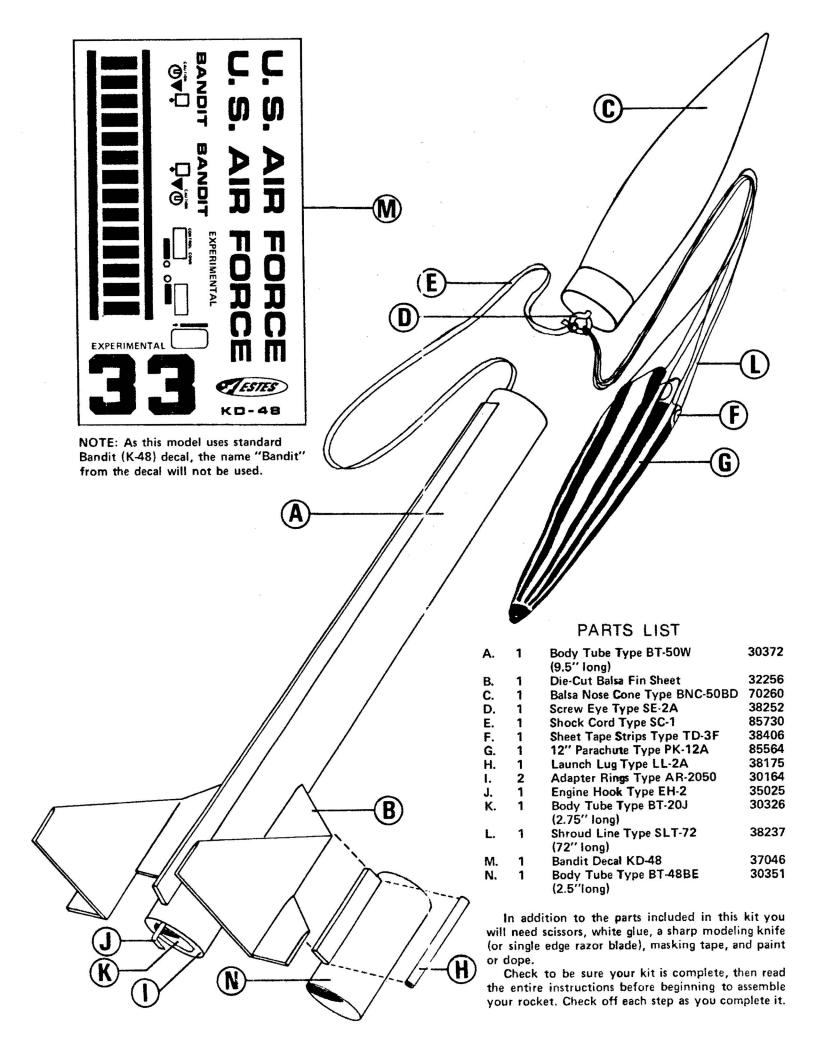
WING TIP OF PATTERN AN

STANDOF

Pop

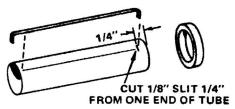
82,275

PENROSE, COLC. 81840



# ASSEMBLY INSTRUCTIONS

Read the entire assembly instructions carefully efore beginning work on your rocket. Then start construction, following each step in order, whecking off each step as it is completed.



1 Mark the BT-20J engine mount tube 1/4" rom one end. Punch an 1/8" wide slot on the mark and insert the EH-2 engine hook as shown. Glue one R-2050 ring on the end of the tube with the edge of the ring touching the hook.



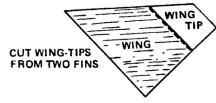
Wrap a 4" long by 1/2" wide piece of masking tape around the engine tube and engine hook -1/8" from the end of the tube opposite the AR-1050 ring.



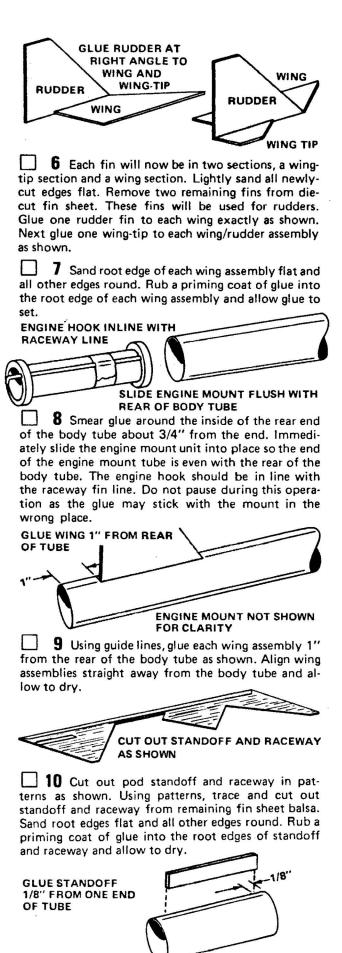
2050 ring. Glue this ring to the end of the engine ube with the engine hook positioned in the slot. Be careful not to get glue in the slot or on the engine rook. Set entire assembly aside and allow to dry.



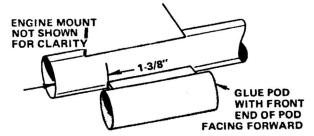
4 Cut out the body tube marking guide. Wrap t around the rear of the body tube and mark the tube at each arrow point. Remove the guide and draw a straight line connecting each matching front and rear mark. Retain marking guide for use as shock cord mount in step 15.



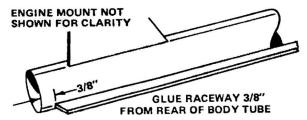
5 Remove two fins from the die-cut fin sheet. Cut out the wing-tip fin pattern and place it on top of each fin, marking the cut line as shown. Using a straight edge for a guide, cut the wing-tips from each fin with a sharp modeling knife.



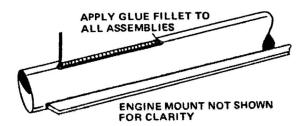
11 Draw a straight line the entire length of the BT-48BE tube. Glue pod standoff 1/8" from one end of the tube and allow to dry. This end will be the front



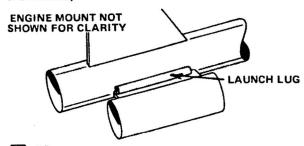
of the pod. Glue pod assembly on its alignment line with end of the standoff 1-3/8" from the rear of the body tube as shown. Be sure pod is facing right direction. (See illustration).



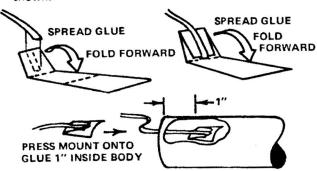
12 Glue raceway on its guide line 3/8" from the rear of the body tube. Be sure tapered end of raceway is facing forward. (Optional: A 1-1/4" long toothpick can be inserted and glued into raceway for antenna. See raceway pattern for correct position.)



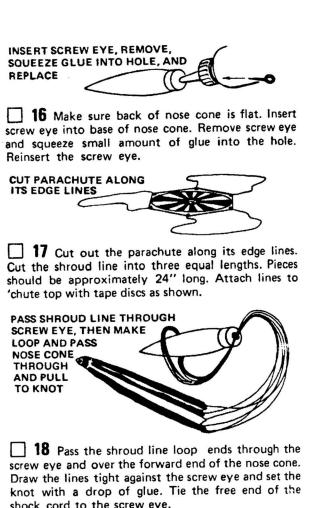
13 When glue is completely dry, apply a glue fillet to both sides of wing assemblies, pod standoff, and raceway.



14 Glue launch lug between pod and standoff as shown.

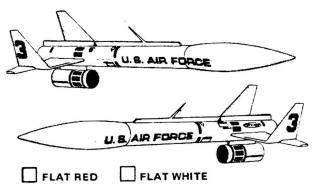


15 Cut out shock cord mount from body tube marking guide and assemble as shown. When gluing mount into body tube, press it down until glue sets.



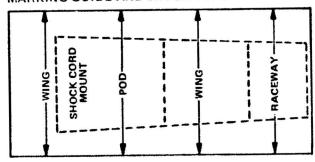
shock cord to the screw eye.

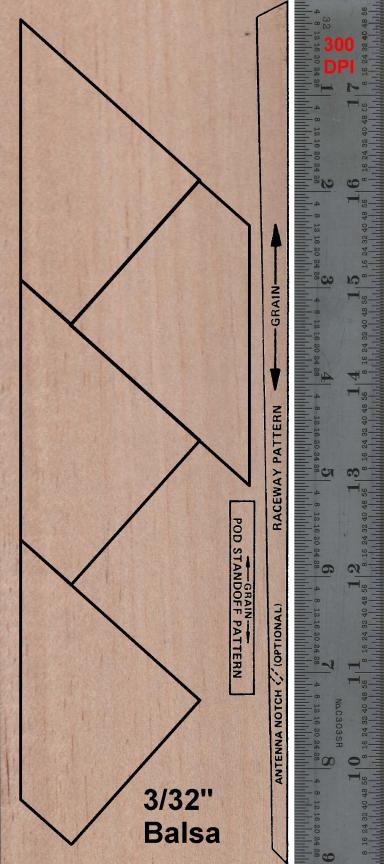
NOTE: As this model uses standard Bandit (K-48) decal, the name "Bandit" from the decal will not be used.



19 Finishing procedure: Sand all balsa surfaces smooth, apply sanding sealer, and let dry. Repeat this procedure until the balsa surface is very smooth and all pores in the wood are filled. Refer to photo and drawings for color scheme and decal positioning.

# MARKING GUIDE AND SHOCK CORD MOUNT







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PARTS LIST KIT NO. 0821 - Firecat									
Quantity	Description	Туре	Number	Details1	Details2	Details3	Details4	Comment	
1	PAPER BODY TUBE	BT-50W	30372	9.5" long	0.950" ID	0.976" OD	0.013" wall	Glassine	
1	BALSA FIN STOCK	*BFS-30	3168	3" wide	9" long	3/32" thick		Scan	
1	BALSA NOSE CONE	BNC-50BD	70260	5.0" long	.976" dia.	.5" shoulder			
1	Screw Eye (Small)	SE-2A	38252	3/4" long					
1	Shock Cord	SC-1	85730	18" long	1/8" wide			Rubber	
1	Tape Disc	TD-3F	38406	1/2" dia.				6x	
1	Parachute	PK-12A	85564	12" dia.					
1	LAUNCH LUG	LL-2A	38175	5/32" ID	1/8" rod	1.25" long		Mylar	
2	CENTERING RINGS	AR-2050	30164	0.25" long	0.737" ID	0.949" OD	0.106" wall	Green	
1	ENGINE HOLDER	EH-2	35025	2.8" long	.100" wide	.025" thick		Reg. & D	
1	PAPER BODY TUBE	BT-20J	30326	2.75" long	0.710" ID	0.736" OD	0.013" wall	Glassine	
1	Shroud Line	SLT-72	38237	72"					
1	Decal	KD-48	37046				Bandit K-48	Scan	
1	PAPER BODY TUBE	BT-48BE	30351	2.5" long	0.902" ID	0.928" OD	0.013" wall	'D' spacer tube	

<sup>\*</sup>Die-Cut #32256 is BFL-4 from cold power Honest John #1104. It would appear that all these parts are repurposed from this kit except for the decal.



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# DEGREE OF CHALLENGE: THREE (Propellant and launcher not included)

Realistic, high-flying scale model of the U.S. Army's surface-to-surface shiftlet make the will reach althouse and the surface and again, reach althouse and angine using Estes RP-100 cold unguestions, and can be converted for use with Cates cold-proposition engines. De-out hales into and press-on decail for early make the converted practical reaches. A toly intention model.

SPECIFICATIONS
Length: 14.5

Diameter: 0.976

Weight (with engine): 2.05 oz.







Length 14.32' (36.4cm) Body Dia. 0, 976" (24.8mm) Weight 1.13 oz. (32.0g) Shipping Wt, 7 oz.

## RECOMMENDED ENGINES: A8-3 B6-4 C6-5

(Use A8-3 for first flights.)



ESTES INDUSTRIES

Cat. No. 0821