

# CITATION KC 2

## PER MAIX



Suggested display gantry for der RED MAX. For safe launchings, use Estes Citation LS-1 launch system shown on back page of the the plans. Optional camouflage paint scheme is shown above.



Undt zo! You is now der proudt owner uff der RED MAX. Never before haff ve disclosed der existence uff it. You may tink der Astronauts iss bringen back only moon rocks. Ha! Nein, 1st nodt zo. Day iss alzo bringen back der photographischer uff das mysterious rockutt in der crater. Ya! Undt it vas nun udder den der RED MAX! Ach, Himmel! Vitch vas explaining vere it landed, Ach, doze dummkofs! Mein crew kudt neffer getting nodding to verken right.

Zo now ve is bringen you das RED MAX vitch iss zo zecret iss even forgatting vat is for. Ver-r-ry interesting!

Undt now, you vill built itt und you vill like it. Yavoh!! Dat ist an order!

In addition to der materials includen in der kit, you vill also be needen der following: Sharp modeling knife, scissors, white glue, plastic cement (tube or liquid), soft pencil, fine und extra fine grit sandpaper, sanding sealer undt paints as der specified.

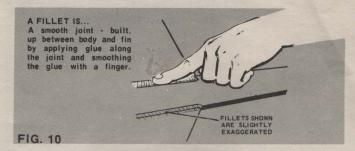
### **GENERAL CONSTRUCTION NOTES:**

GLUE: WHITE GLUE is best. You may use balsa model airplane cement.

CEMENT: Use only plastic cement (tube, or liquid) for plastic parts. (DO NOT use model airplane cement, dumbkoff!)



You will read der instructions carefully before beginning der building it, and you vill be careful. Goodt!



## FINISHING AND PAINTING

\_\_\_111 Allow all glue joints to dry completely. YAVOHL! Apply sanding sealer to balsa surfaces, fine sand and repeat until smooth.

12 Give the rocket a light base coat of white spray paint. Follow with a light coat of orange (or desired finish color), allow to dry and sand lightly. Follow with a final coat of the finish color. NOTE: The nose cone may be left black, unpainted. If you paint the nose DO NOT use dope paints. Dope will "craze" the plastic. Use only enamel specifically for plastics.

13 A camouflage finish is an interesting optional paint scheme for the RED MAX. Use a light earth finish color and apply irregular black (or white) trim as indicated in photo.

Apply decals (15) as directed on the decal backing. Refer to photographs for proper decal positioning. Use a wet paint brush to help smooth out air bubbles from beneath large decals.



DER RED MAX, READY FOR LAUNCHING.

## PRE-FLIGHT PREPARATION

☐T-15 Pack six (6) squares of crumpled recovery wadding loosely into rocket body tube.



☐ T-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 the rocket. A very tight fit may prevent parachute from ejecting properly.



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 colder weather. NOTE: Flying your rocket when temperatures are 35° or less is not recommended. The plastic parachute becomes stiff and will not always open properly at ejection.

 $\Box$  T-13 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 fine

If nose cone is too loose, add a wrapping of transparent tape to the shoulder of the nose cone.

☐ T-12 Select an engine and install an igniter. Estes standard NWI-1 igniters are supplied in strips and should be cut apart (scissors will work) midway between the coated sections. Bend the igniter at the middle as shown and push it into the en-gine nozzle as far as it will go.

To operate properly igniter must touch the propellant grain. Spread the leads and apply a square of masking tape or tape disc to the nozzle and leads as shown. The eraser on the end of a pencil is good for pressing the tape securely into place.



☐ T-11 The recommended Citation

engines for use with this rocket are B-2, B-4 and C-5. Use B-2 engine for first flight. You may also use Estes standard B4-2, B6-2, B6-4 and C6-5 model rocket engines.

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

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

☐ T-8 Place rocket on launch pad making sure rocket slides freely on launch rod. Clean the micro-clips, then clip one to each lead of the igniter. The clips must not touch each other and the igniter leads must not cross The rocket may be supported with a scrap of wood or an empty engine casing to make it easto attach the clips and to keep



the clips from touching the blast deflector plate and short-circuiting.

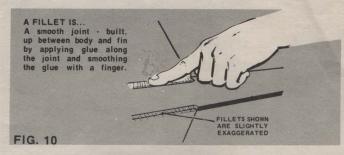
 $\hfill\Box$  T-7 Clear the launch area, alert recovery crew and trackers. Check for low flying aircraft and unauthorized persons in the recovery

☐ T-6 Arm the launch panel — insert safety key.

5 .....4 .....3 .....2 .....1 ..... LAUNCH!!

### Important: 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.



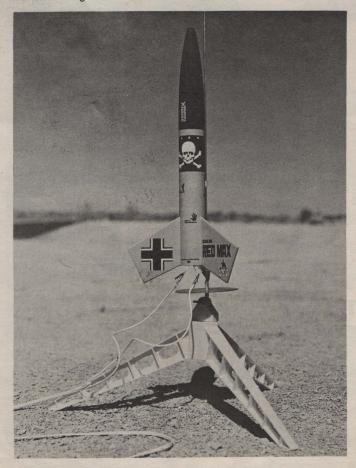
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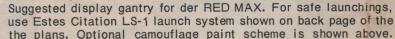
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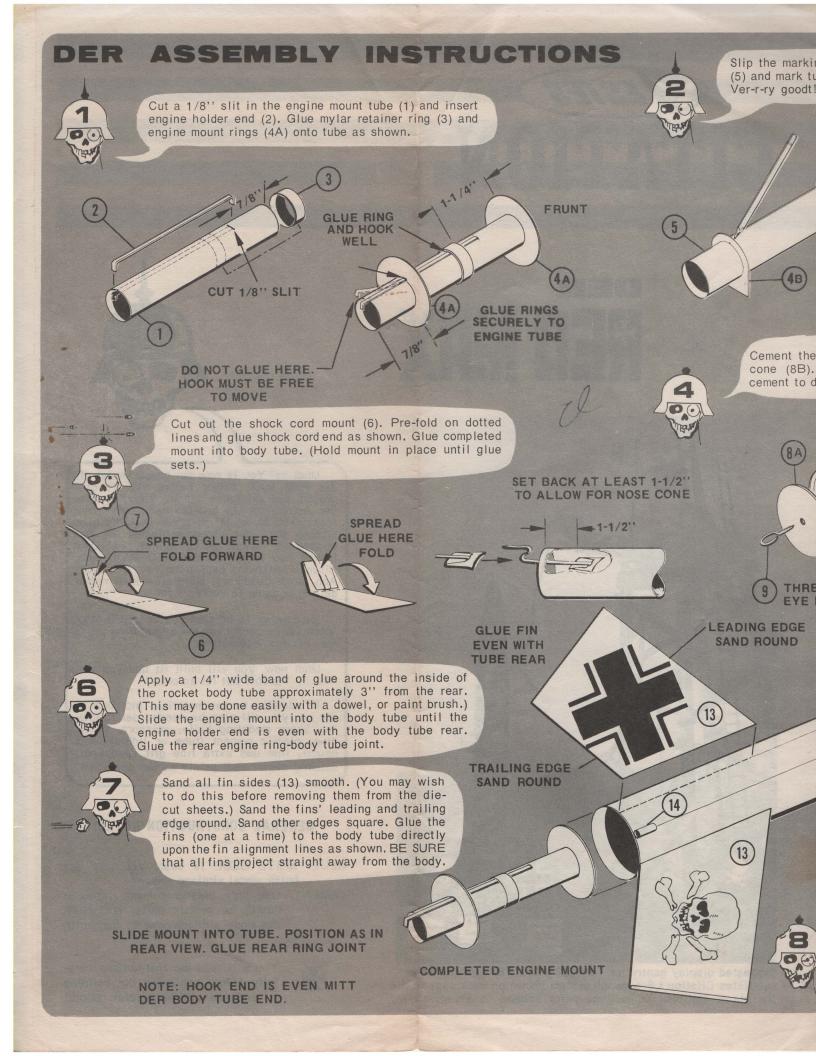
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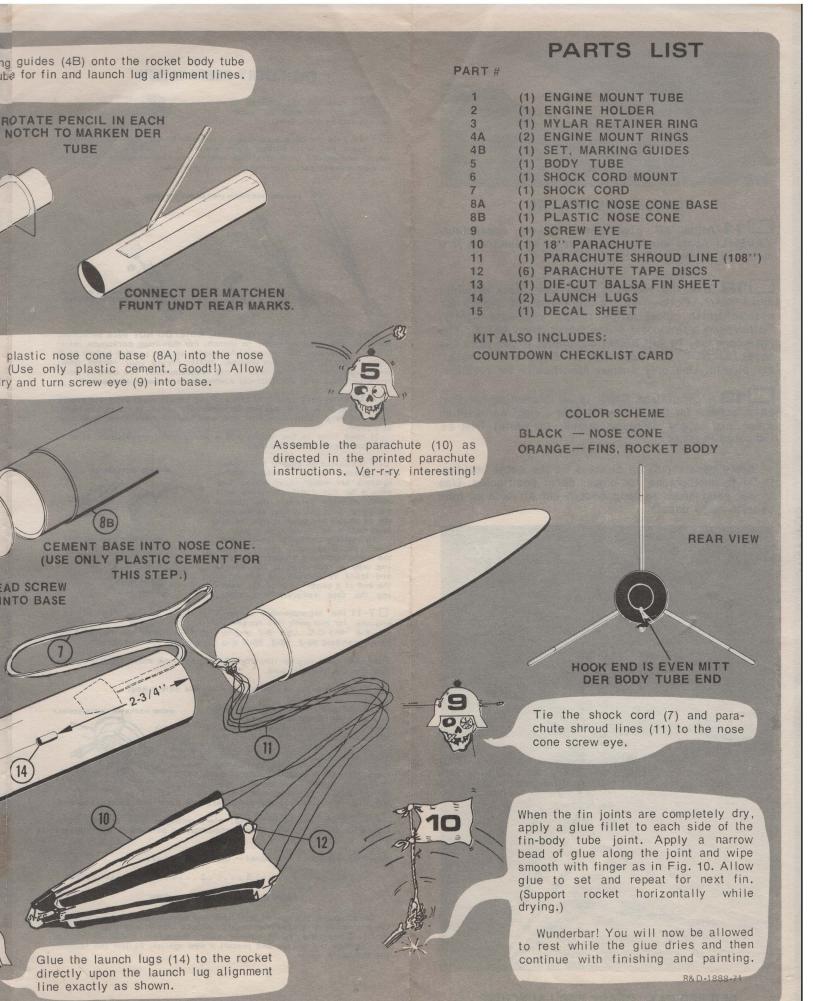
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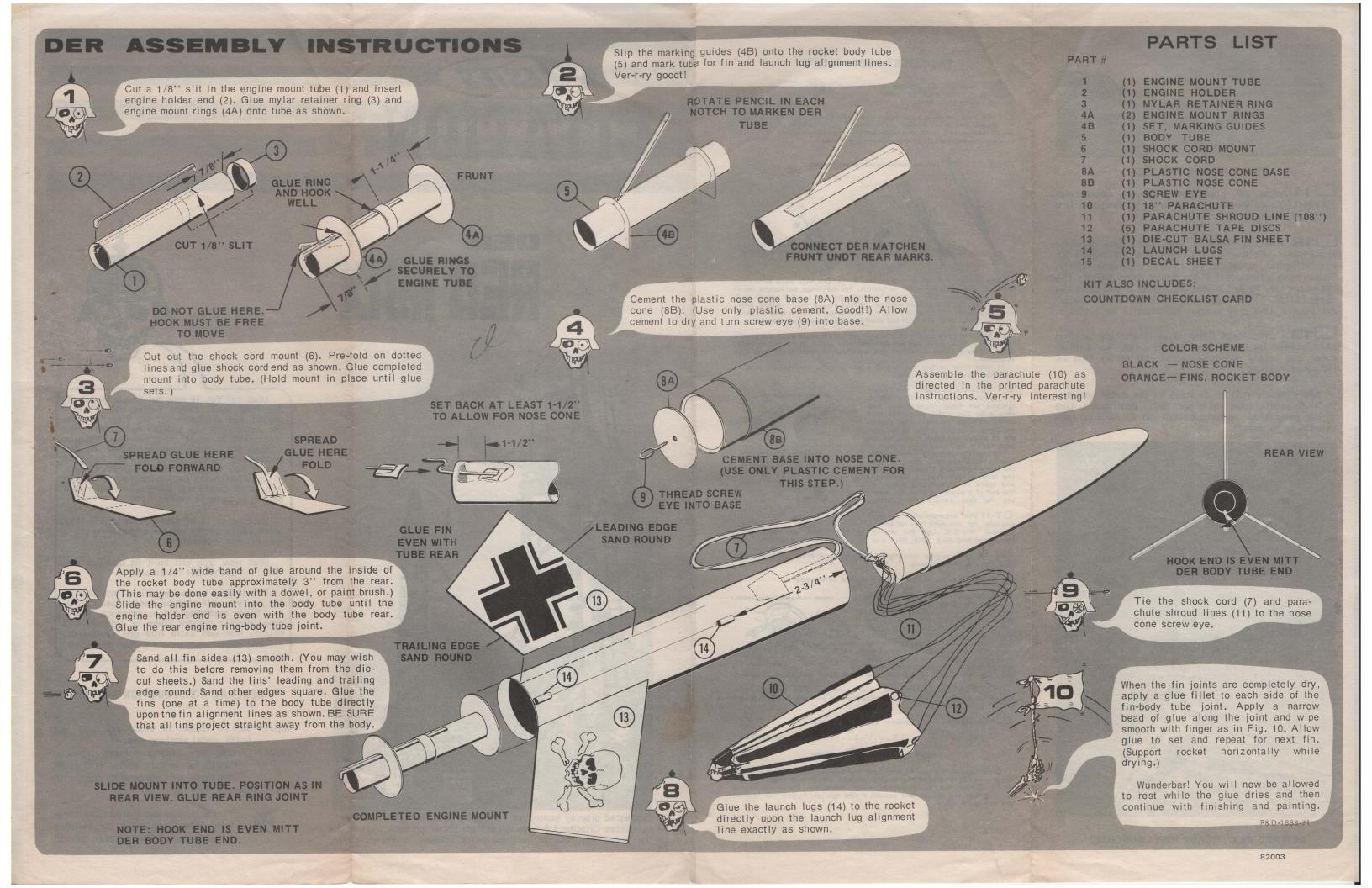
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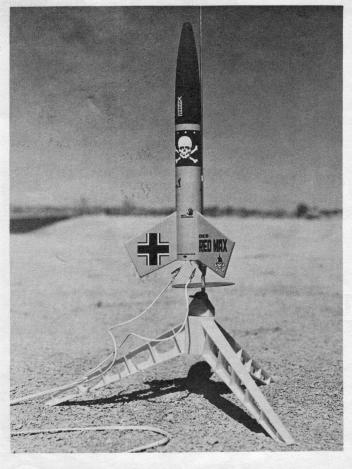




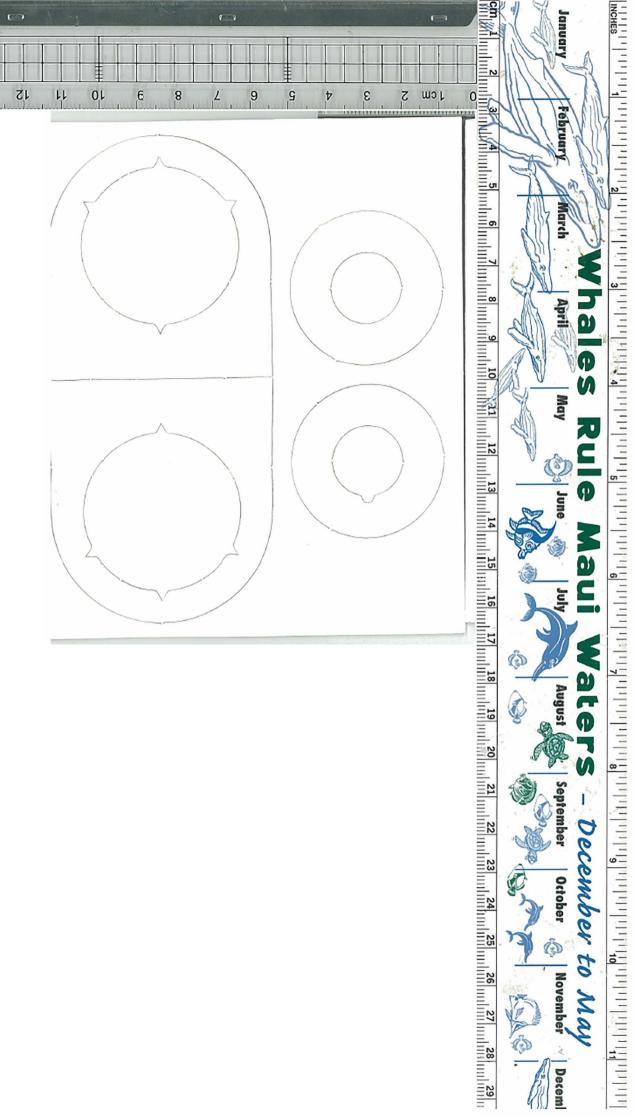




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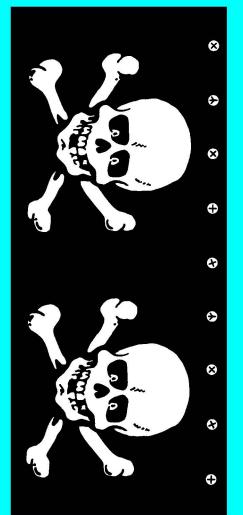
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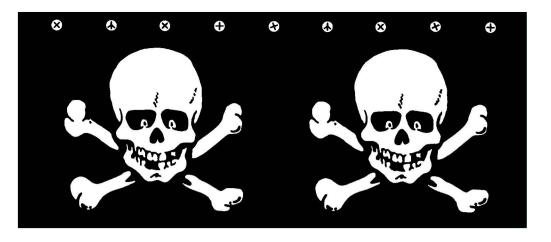






Der Red Max **KD-M2** 





## RED MAX RED MAX



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KD-M2





PARTS LIST KIT NO. KC-2								
Quantity	Description	Туре	Number	Details1	Details2	Details3	Details4	Comment
1	PAPER BODY TUBE	BT-20G	30324	3.5"long	0.710" ID	0.736" OD	0.013" wall	
1	ENGINE HOLDER	EH-2	3141/35025	2.8"long	.100" wide	.025" thick		Reg. & D
1	RING	HR-20	3340	.774" ID	.25" wide			Strapdown ring for EH-2 and BT-20J
2	PAPER ADAPTER	RA-2060	3114	BT-20 in BT-60				
1 set	Body Tube Marking Guides	MG-603	37605	3 fins for BT-60				
1	PAPER BODY TUBE	BT-60HE	30410	8.5"long	1.595" ID	1.637" OD	0.021" wall	
	Shock Cord Mount For BT- 50 body tubes and larger	SCM-50	84444/900511					Paper
1	Shock Cord	SC-1	85730	1/8" x 18"				
1	PLASTIC NOSE CONE	PNC-60AH	71014	6.75" long	1.627" dia.	.875" shoulder	BT-60	Black 2 piece
1	Screw Eye	SE-3	2284	5/8" long				
1	Parachute	PK-18	2266/85566	18" dia.				
1	Shroud Line	SLT-108	38239	108"				
6	Tape Disc	TD-3F	38406	1/2" dia.				6x
1	BALSA FIN STOCK	BFS-40L	3174	1/8" thick	3" wide	12" long		
2	LAUNCHLUG	LL-2AM	38176	5/32" ID	1/8" rod	3/8" long		
1	DECAL (WATER TRANSFER)	KD-M2	37202	Black & White	5.0" x 11.5"			







\$3.2

ODEL ROCKE