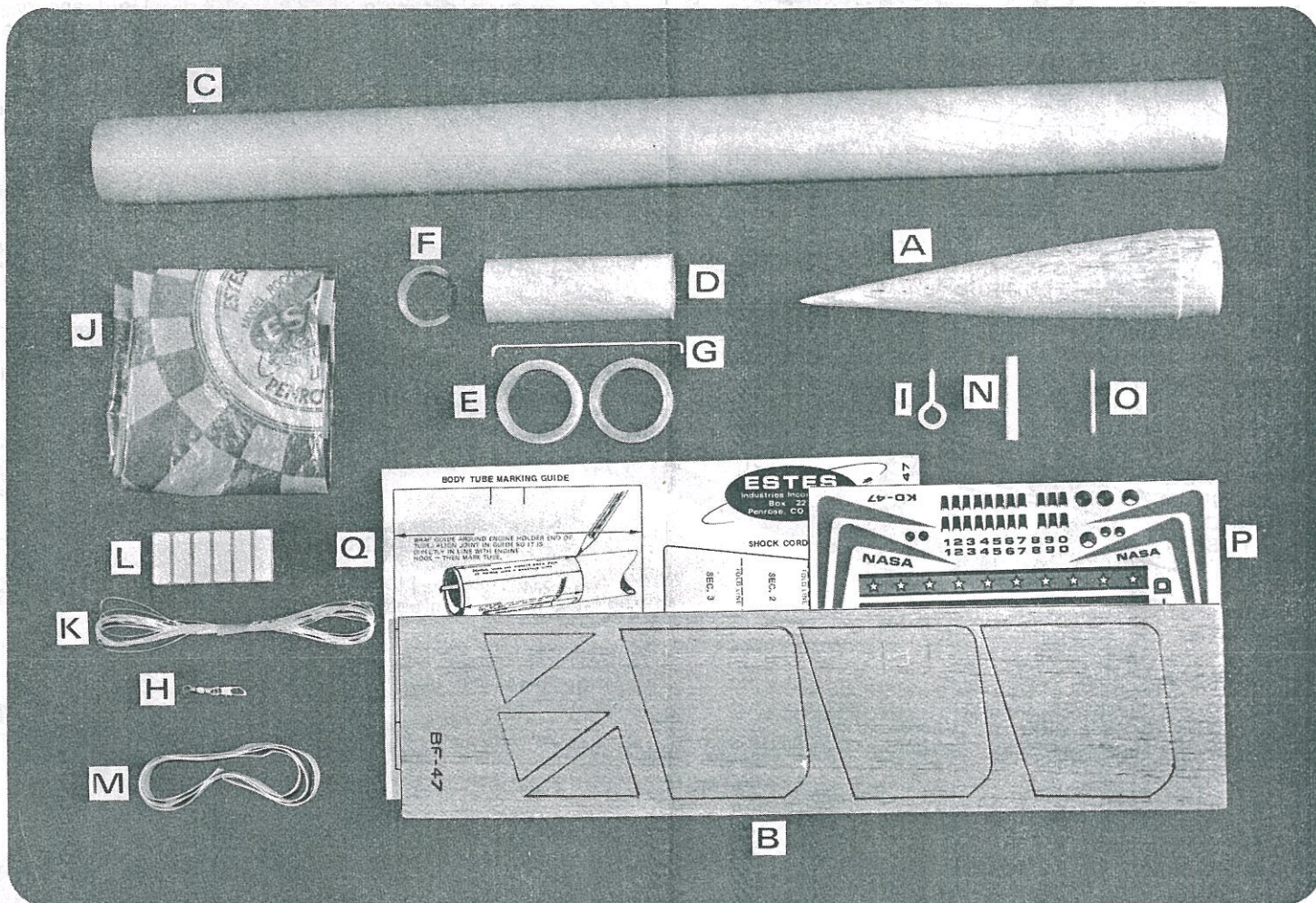


Astron

CHEROKEE-D

ESTES

**"D" POWER FOR LARGE PAYLOAD CAPACITY
FOR HIGH ALTITUDE PERFORMANCE**



PARTS LIST

A	1	Nose Cone	Part #BNC-55AC
B	1	Die Cut Fin Set	#BF-47
C	1	Body Tube	#BT-55V
D	1	Body Tube	#BT-50J
E	2	Spacing Rings	#AR-5055
F	1	Spacing Ring	#AR-2050
G	1	Engine Holder	#EH-2
H	1	Snap Swivel	#SV-12
I	1	Screw Eye	#SE-1
J	1	18" Parachute	#PK-18A
K	1	108" Shroud Line	#SLT-108
L	6	Tape Strips	#TD-2F
M	1	1/4" Shock Cord	#SC-2
N	1	Launch Lug	#LL-2A
O	1	Wood Dowel	#WD-2A
P	1	Decal Sheet	#KD-47
Q	1	Pattern Sheet	#SP-47

RECOMMENDED ENGINES
D13-5, D13-7

WITH ADAPTER EM-2050:
B6-4, C6-5

In addition to the materials included in your kit you will also need the following tools and materials:

- 1) Modeling knife or single edge razor blade
- 2) Scissors
- 3) Extra-strong white glue
- 4) Ball point pen or pencil
- 5) Fine and extra fine grit sandpaper
- 6) Paint or dope

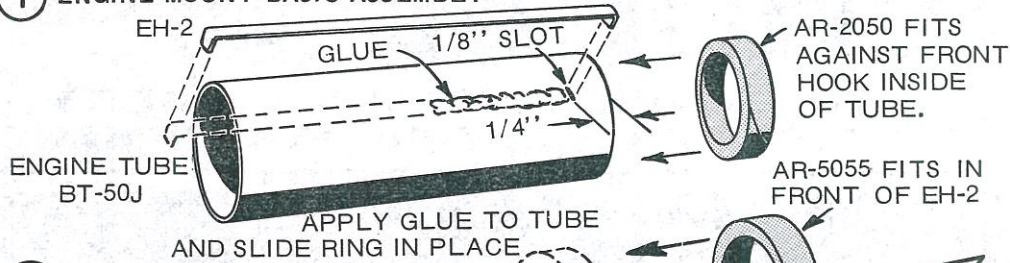
NOTE: Never apply dope over spray enamels as it will ruin the finish.

Read the entire assembly instructions carefully before beginning work on your model rocket. Start construction, following each step, in order, checking off each step as it is completed. **USE THE CHECKLIST ON THE BACK PAGE.**

RAIL LAUNCHERS ARE RECOMMENDED FOR "D" POWER MODELS!

ASSEMBLY INSTRUCTIONS

1 ENGINE MOUNT BASIC ASSEMBLY



2 INSTALL SPACING RINGS



3 INSTALL MOUNT IN BODY TUBE

Insert engine mount into the body tube until the rear edge of the slotted ring rests 1/16" inside the end of the body tube. Apply a good fillet of glue around the ring/tube joint.

5 FIN ATTACHMENT

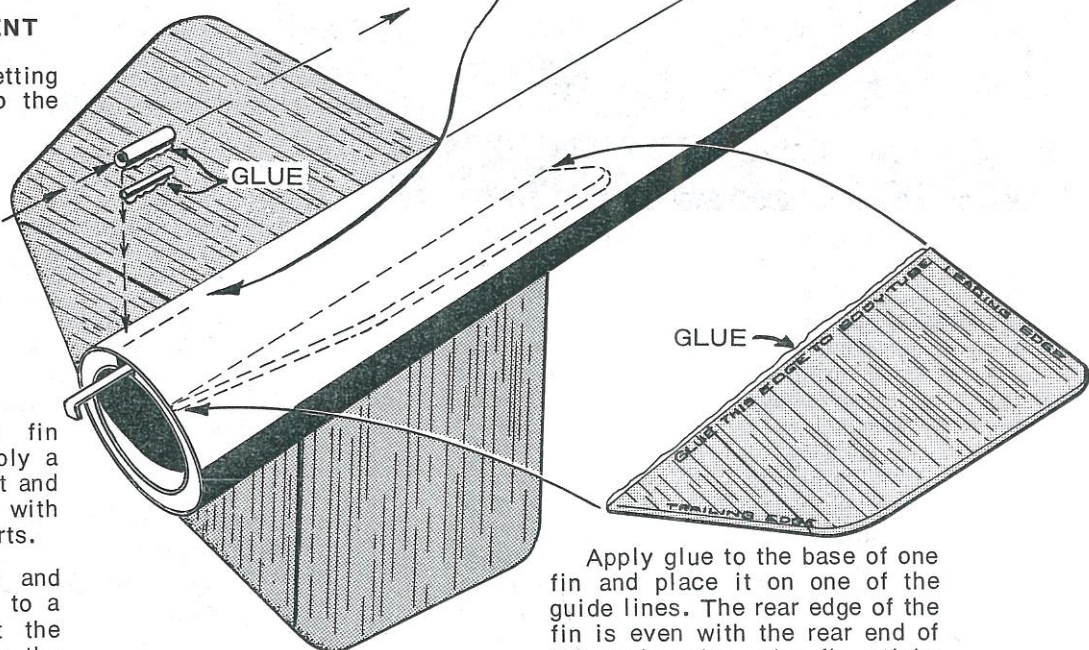
See the marking guide for setting fin guide lines relative to the engine hook.

NOTE:

Sight through the rear lug to be sure front lug is properly aligned on body.

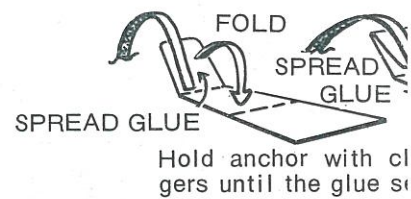
Carefully remove the fin pieces from the stock. Apply a line of glue to the front part and add the rear edge. Repeat with the other two sets of fin parts.

Sand the leading, tip and trailing edges of each fin to a rounded shape. Sand flat the edges which are to glue to the body tube. Both sides of each fin are sanded smooth as a first preparation for step 9.



Apply glue to the base of one fin and place it on one of the guide lines. The rear edge of the fin is even with the rear end of the body tube. The fin sticks straight out from the body tube. Repeat this action with the other two fins.

4 SHOCK CORD ANCHOR



Spread a film of glue on the inside of the tube wall in the area shown. . .

After the unit has been in place and is dry, lug at an angle as shown.

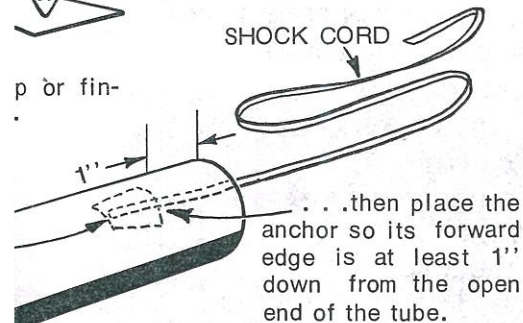
6 GLUE ON LAUNCH LUGS

A 5/8" long piece of the WD-2A dowel is glued to a 5/8" long piece of launch lug, then assembly is glued in place. This procedure is repeated for the front lug.

10 APPLY DECALS

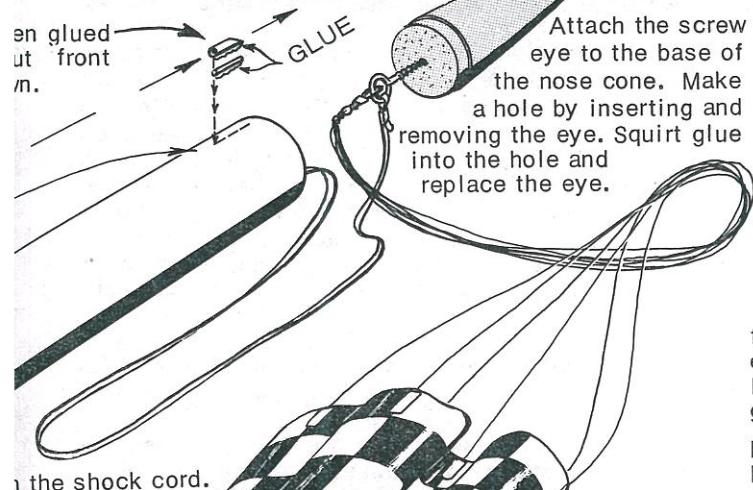
FOUR Preassemble the shock cord and its anchor. (Anchor is clipped from Pattern sheet SP-47.) See technical section of current catalog.

FOLD



...then place the anchor so its forward edge is at least 1" down from the open end of the tube.

8 ATTACH RECOVERY PARTS

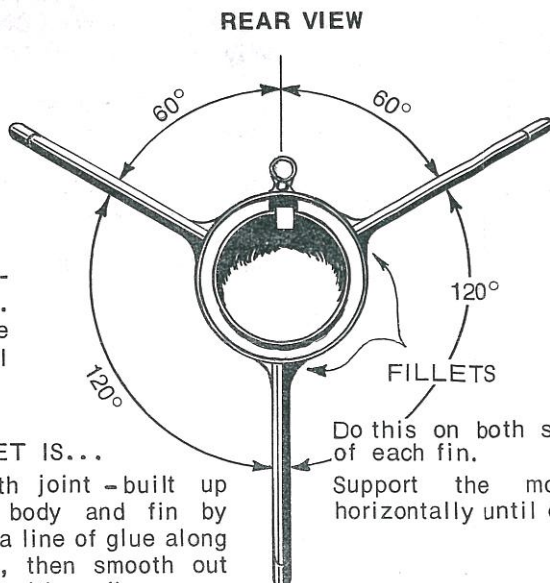


Attach the screw eye to the base of the nose cone. Make a hole by inserting and removing the eye. Squirt glue into the hole and replace the eye.

the shock cord.

7 PARACHUTE

semble the 'chute as instructed on the parachute material. Attach the snap swivel to theroud lines and clip the swivel to the screw eye.

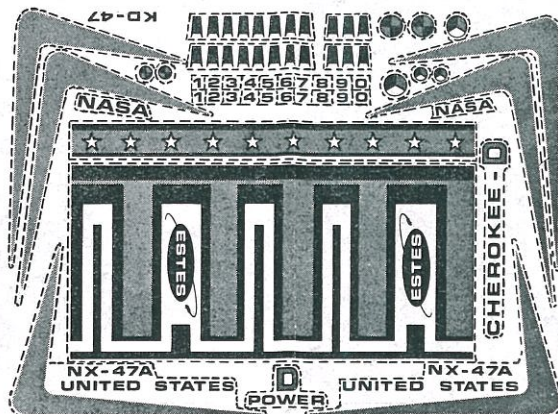


A FILLET IS...

A smooth joint - built up between body and fin by applying a line of glue along the joint, then smooth out the glue with a finger.

Do this on both sides
of each fin.

Support the model horizontally until dry.



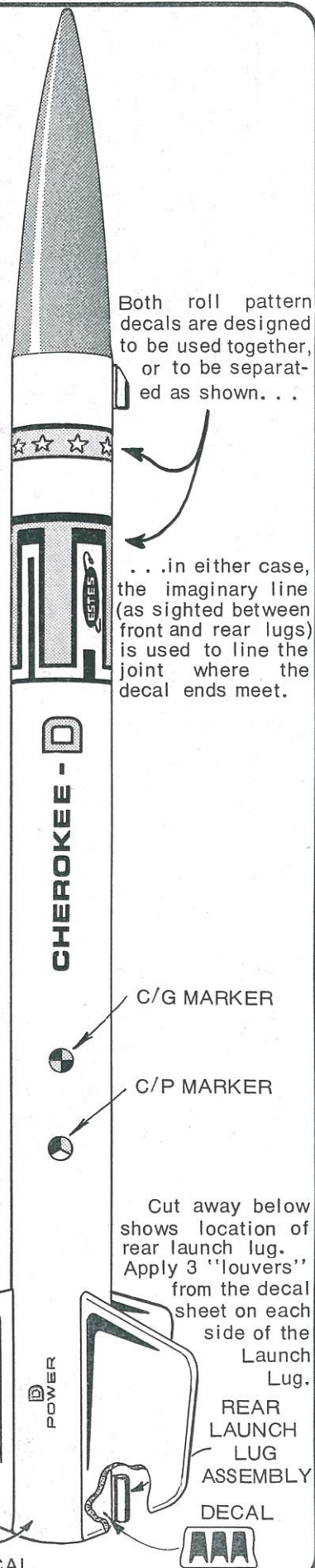
Dotted lines on the reproduction of this kit decal sheet (above) show the maximum area to allow around each individual decal when cutting them from the sheet.

Drawing to the right shows positions of each of the decals used on the original model.

9 PAINTING

Apply sanding sealer to the fins and the nose cone. Sand each until smooth to the touch. Repeat as necessary to fill all grain marks.

Paint work consists of a white base coat over everything, then a finish coat of white over the body tube and fins. The nose cone is painted a solid red.



...in either case, the imaginary line (as sighted between front and rear lugs) is used to line the joint where the decal ends meet.

C/G MARKER

C/P MARKER

Cut away below shows location of rear launch lug. Apply 3 "louvers" from the decal sheet on each side of the Launch Lug.

REAR LAUNCH LUG ASSEMBLY

DECAL

DECAL

ASSEMBLY CHECKLIST

- ☐ 1-ENGINE MOUNT BASIC ASSEMBLY
- ☐ 2-INSTALL SPACING RINGS
- ☐ 3-INSTALL MOUNT IN BODY TUBE
- ☐ 4-SHOCK CORD AND MOUNT
- ☐ 5-FIN ATTACHMENT
- ☐ 6-GLUE ON LAUNCH LUGS
- ☐ 7-PARACHUTE
- ☐ 8-ATTACH RECOVERY PARTS
- ☐ 9-PAINTING
- ☐ 10-APPLY DECALS

COUNTDOWN CHECKLIST

☐ (13) Pack flameproof recovery wadding into the body tube from the top. The wadding should fill the tube for a distance of about 1-1/2" and fit along the sides of the tube (6 or 7 squares of RP-1A are recommended). Hold the parachute between two fingers at its center and pass the other hand down it to form a "spike" shape. Fold the parachute in half after forming the "spike". Push the folded parachute down into the tube on top of the wadding and pack the shroud lines and shock cord in on top of the parachute. Slide the nose cone into place.

☐ (12) Install an electrical igniter in the engine as directed in the instructions which came with the engine.

☐ (11) Insert the engine into the engine holder tube until its forward end rests against the engine hook.

☐ (10) Remove the safety interlock or key from the launch control panel. (If a simple spring switch is used, install the protector on the switch to separate the contacts.) Carry the key or interlock on the person of the launch control officer.

☐ (9) Place the rocket on the launcher. Check to be sure the panel is disarmed. Clean the micro-clips and attach them to the igniter.

☐ (8) Clear the launch area, alert the recovery crew and the trackers.

☐ (7) Check for low flying aircraft and unauthorized persons in the recovery area.

☐ (6) Arm the launch panel.

☐ (5)

☐ (4)

☐ (3)

☐ (2)

☐ (1)

LAUNCH!

MODEL ROCKETRY

ESTES

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SCIENTIFIC SPACE AGE HOBBY