

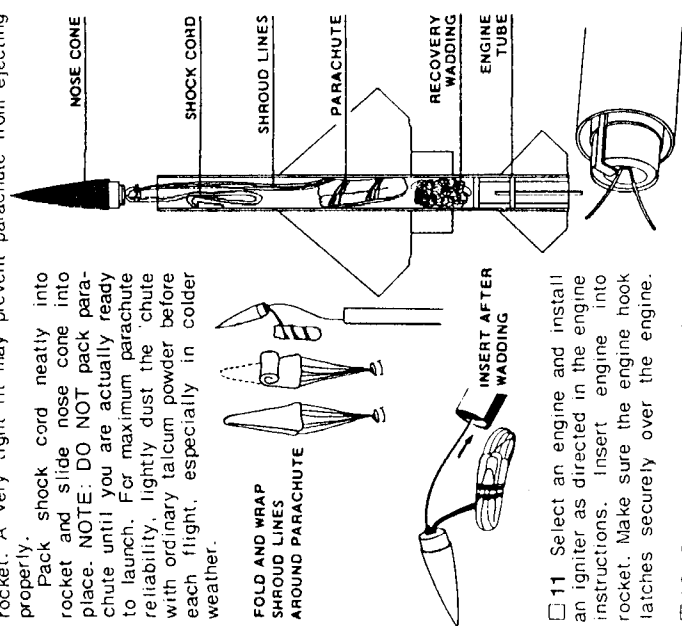


# COUNTDOWN CHECKLIST

12 Pack two squares of loosely crumpled Estes RP-1A recovery wadding into body tube.

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.

13 Pack shock cord neatly into rocket and slide nose cone into place. 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.



11 Select an engine and install an igniter as directed in the engine instructions. Insert engine into rocket. Make sure the engine hook latches securely over the engine.

10 Disarm the launch panel.

9 Lower the rocket into position on the launch rod or rail. 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 easier to attach the clips and to keep the clips from touching the blast deflector plate and short circuiting.

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

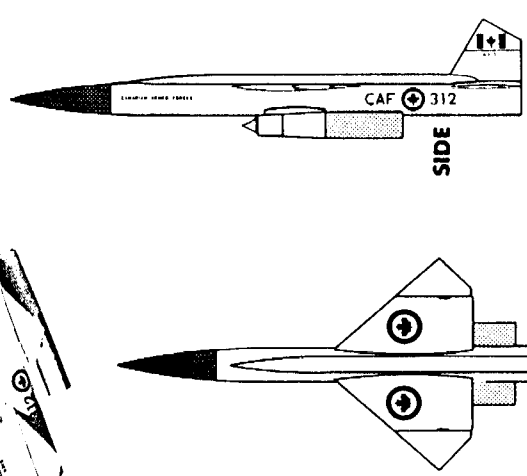
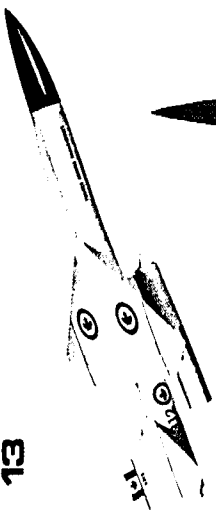
7 Check for low flying aircraft and unauthorized persons into recovery area.

6 Arm the launch panel.

-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.



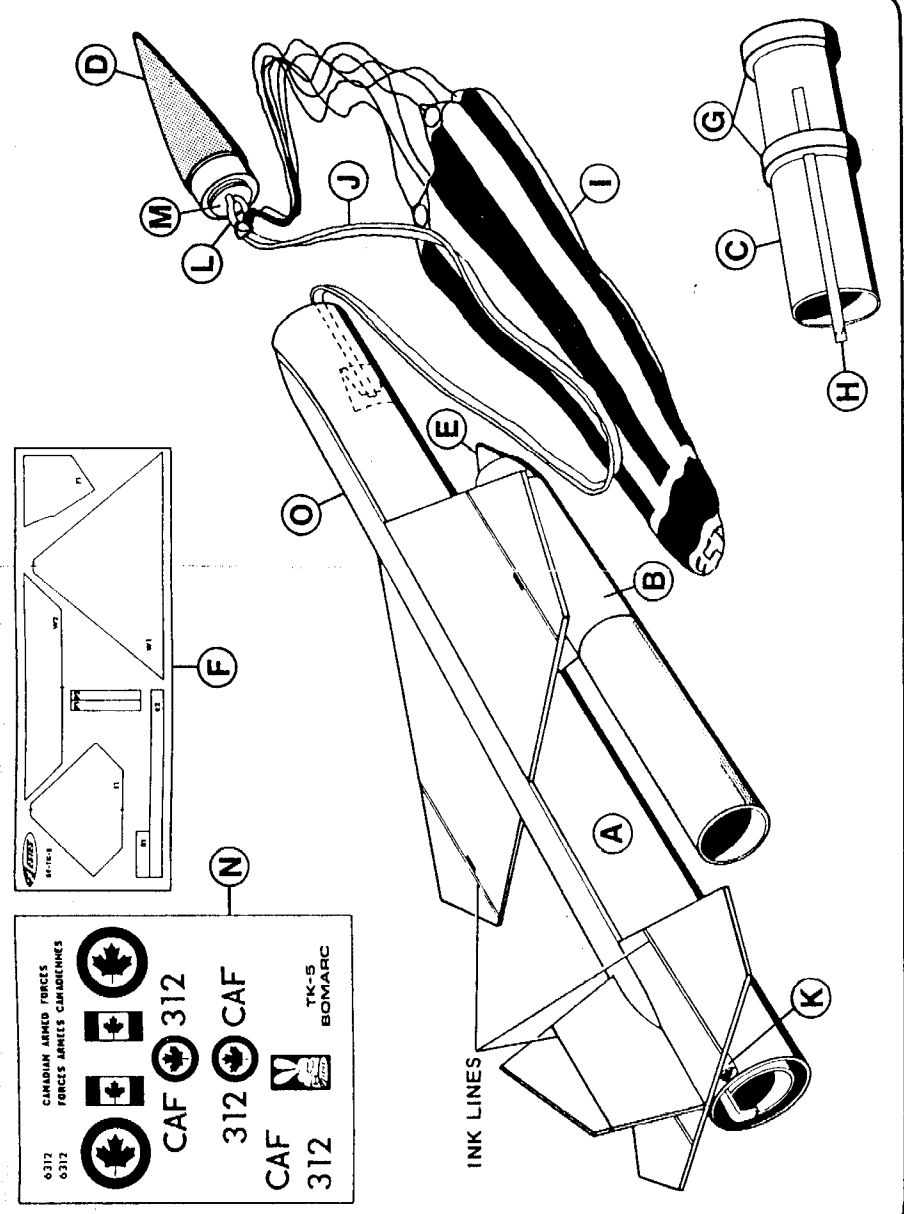
- SILVER
- GRAY
- BROWN

Identification markings and color scheme courtesy of Canadian Armed Forces.

Your Mini Bomarc is a scale model of the IM-99A missile designed by Boeing Aircraft. The missile was used as interceptor protection against long range bombers. Housed in combat-ready steel launcher-shelters, alert-to-launch for the Bomarc was less than two minutes.

Takeoff Weight — 15,000 pounds  
 Peak Altitude — 60,000 feet  
 Speed — Over Mach 2  
 Armament — High Explosive Warhead

# MINI BOMARC TK-5



## PARTS LIST

- |                              |          |
|------------------------------|----------|
| A. 1 Body Tube.....          | BT-20B   |
| B. 2 Body Tubes.....         | BT-5CJ   |
| C. 1 Body Tube.....          | BT-5BJ   |
| D. 1 Main Nose Cone.....     | BNC-20AZ |
| E. 2 Nacelle Nose Cones..... | BNC-5BA  |
| F. 1 Die Cut Balsa.....      | BF-TK5   |
| G. 2 Adapter Rings.....      | AR-520   |
| H. 1 Engine Hook.....        | EH-3     |
| I. 1 Parachute.....          | PK-10R   |
| J. 1 Shock Cord.....         | SC-1A    |
| K. 2 Small Launch Lugs.....  | LL-2AM   |
| L. 1 Small Screw Eye.....    | SE-3     |
| M. 2 Nose Cone Weights.....  | NCW-1    |
| N. 1 4 Color Decal.....      | KD-TK5   |
| O. 1 Shaped Balsa.....       | BF-TK5S  |

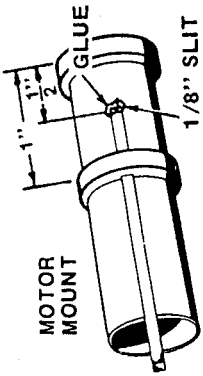
In addition to the parts included in this kit you will need scissors, white glue, a sharp model knife (or single edge razor blade), masking tape and paint or dope.

Check to be sure your kit is complete, then read the entire instructions before beginning to assemble your rocket. Check off each step as you complete it.

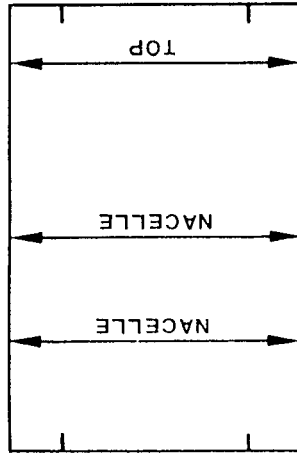
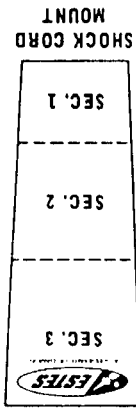
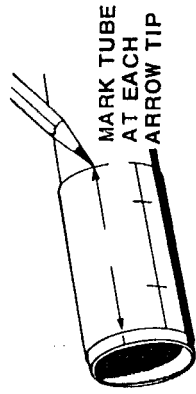


A SUBSIDIARY OF DAMON  
 ESTES INDUSTRIES  
 PENROSE, COLO. 81240

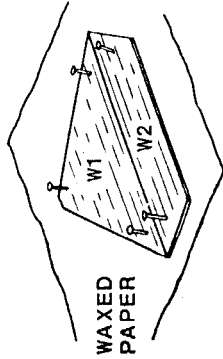
# ASSEMBLY INSTRUCTIONS



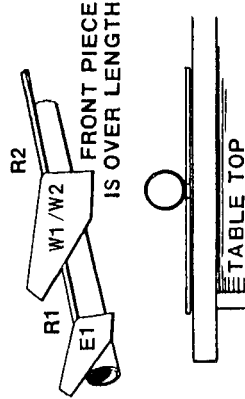
**1** Assemble the motor mount. Cut a 1/8" slit 1/2" from one end of the short BT-5BJ tube. Insert one end of the engine hook into slit and slide an AR-520 down over it to 1" from the tube end as shown. Glue this ring in place by running a glue fillet on each side of it. Also smear glue over the upper end of the hook. Slide the second ring in place on the tube end and glue it. Let dry several hours or overnight.



**2** Mark the fuselage tube. Wrap the guide around the tube, mark it with a pencil at each arrow. Use a piece of angle iron or a drawer edge to run lines down the entire tube length.



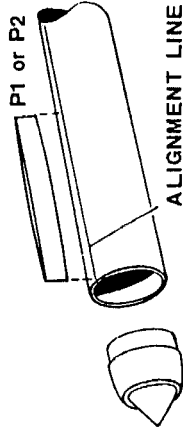
**3** Wing assembly. Carefully remove wing parts W1 and W2 from the die cut balsa sheet. Glue them together and pin over waxed paper onto a flat board. Let dry several hours.



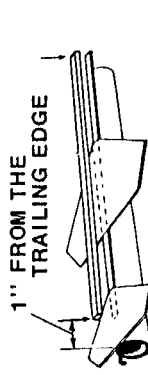
**4** Basic assembly. Start by gluing die-cut balsa part E-1 onto the fuselage tube on the top alignment line. Then glue R-1 on the line touching E-1. Continue with the wing and piece R-2. If the parts are attached so each touches the one behind, all parts will be spaced correctly.  
Lay the complete assembly upside down on a flat surface to dry. Note, that the front piece is larger than necessary.



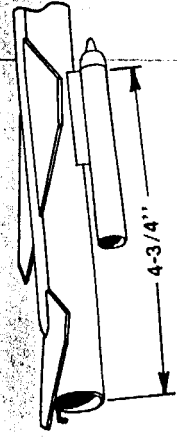
**5** Glue the motor mount in place. Smear glue inside the tail of the fuselage tube and slide the motor mount in until the two tube ends are even. The engine hook should extend 1/4".



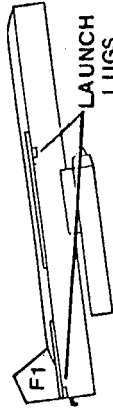
**6** Nacelle assembly. Draw a line down each long BT-5 tube. Glue P1 on one and P2 on the other even with the tube end. Make sure the pylon sticks straight out from the tube. Glue a BNC-5BA nose cone into each nacelle.



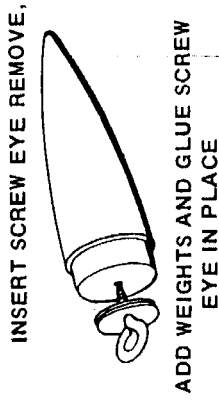
**7** Raceway assembly. Glue the pre-shaped raceway down to the fuselage assembly as shown. Note the rear end should stop 1" from the trailing edge of E1. The front will be over length. When dry, trim the front even with the tube end and sand both ends to a smooth point.



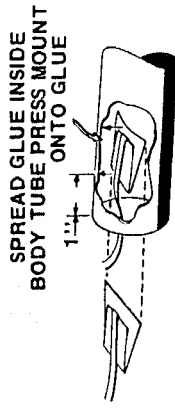
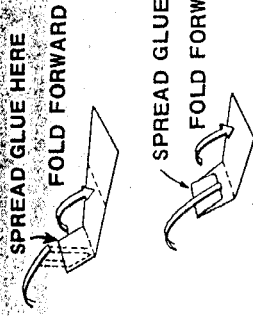
**8** Glue the nacelles on with the pylons exactly on the lower alignment lines and the front 4-3/4" from the tail of the model.



**9** Glue the vertical tail in place and the launch lugs up under the wing leading edge and tail trailing edge.



**10** Assemble the nose cone. Screw the screw eye into the center of the nose cone. Remove it, screw it into the two weights, put a drop of glue into the hole and screw the assembly together.  
The nose cone should separate easily from the 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 sandpaper.  
If nose cone is too loose add a wrapping of transparent tape or masking tape to the shoulder of the nose cone.



**11** Assemble the shock cord mount as shown. Glue it inside the fuselage at least 1" from the front. Tie the shock cord to the nose cone eye.

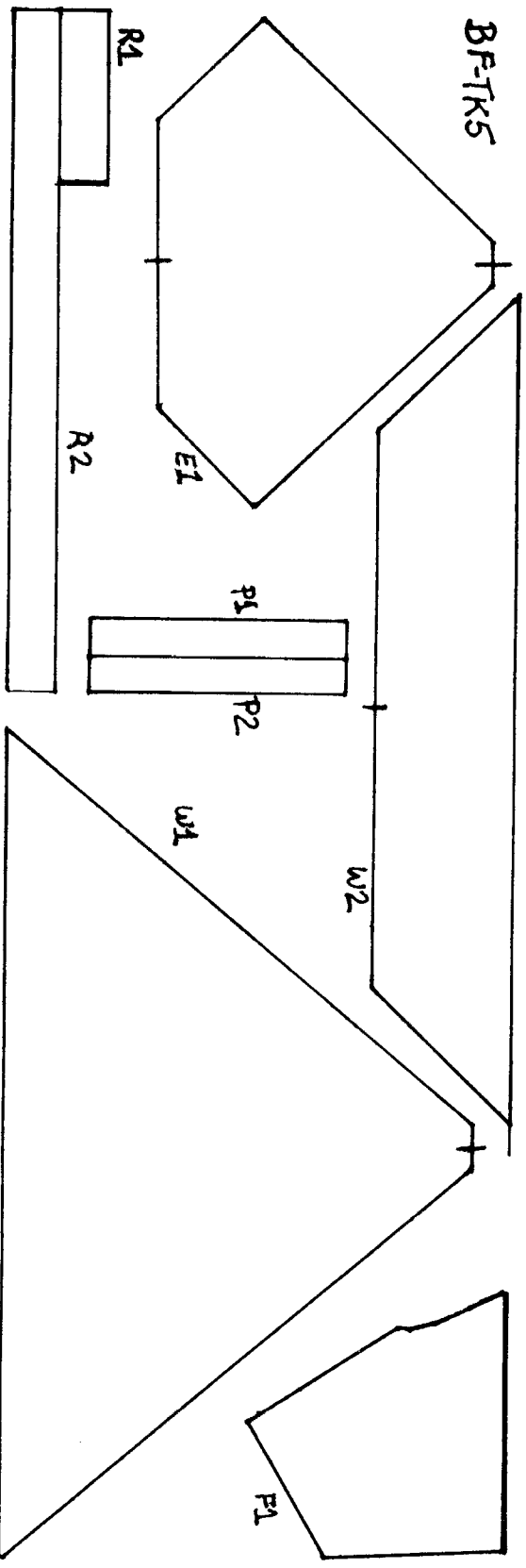


**12** Locate the centers of the shroud lines and knot the lines together at this point. Make sure the tape discs hold the shroud lines securely on the parachute.

Tie the free end of the lines together around the screw eye.

**13** Apply two or more coats of sanding sealer to all balsa surfaces. Sand lightly with extra fine sandpaper between coats. Repeat until all pores are filled and the surfaces smooth. Give the rocket a spray base coat of white and follow with gray on the body and brown on the nose cone. Paint the rear 1-1/2" of the nacelles silver. Decorate with decals as shown in photograph and drawing.

E- BF-TK5 1/16" X 3" X 9



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