

Glue radar pod halves, the in the indicated positions antennas flat and glue in

> Cut two 2-3/4" one to the top o

> position indicate

STRATOSPassenger Shuttle Rocket

DESIGN OF THE MONTH WINNER BY TIM BARBER Deer Park, Washington ESTES INDUSTRIES ROCKET PLAN NO. 77

★ BUILD THE STRATOS WITH ESTES HIGH PERFORMANCE PARTS AND ACCESSORIES

PARTS LIST

- BODY TUBE BT-20J
- BODY TUBE BT-50 BODY TUBE BT-5
- NOSE CONES BNC-5W

- NOSE CONE BNC-50Y FIN STOCK BFS-30 CENTERING RINGS AR-2050
- **ENGINE BLOCK EB-20A**
- LAUNCH LUG LL-2B
- 18" PARACHUTE KIT PK-18
- SHOCK CORD SC-1
- **ENGINE HOLDER EH-2**
- SCREW EYE SE-3
- 20" LONG SHROUD LINE
- 3-1/2" PIECE 1/2" WIDE MASKING TAPE

ADDITIONAL MATERIALS

Hobby Knife White Glue

Ruler

Sanding Material

Sanding Sealer

Enamel Paint (Spray)

Sharp Pencil

RECOMMENDED ENGINES

A8-3 B6-4 C6-5

Cut two 5-1/2" lengths from the BT-5. Glue a BNC-5W nose cone into one end of each of the BT-5's.

Cut a 1/8" slit in the BT-20J, 1/4" from one end. Apply a drop of white glue to the slit and also straight along the tube for approximately



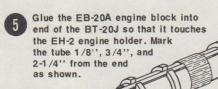
end with the slit.

around the tube 1" from the

Push one end of the metal engine holder into the slit. Press the holder into the glue and align straight along the tube. Wipe away any excess glue.



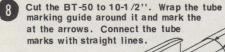
Using a sharp hobby knife cut a 3/16" section from 2 of the AR-2050's.



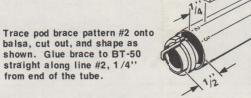


Glue the two cut AR-2050's on the forward edges of the

1/8" and 3/4" marks. Glue the final AR-2050 on the forward edge of the 2-1/4" mark.



Repeat the procedure on the pods, using the BT-5 marking guide. Number all lines



Glue the engine mount assembly into the end of the BT-50. Leave 1/2" of the end of the engine mount extending from the end of the BT-50. The EH-2 engine holder must be in line with the brace and



Glue the launching lug a center line of pod brace 3/4" from the rear of the Cut out brace #1 and sai shape. Glue brace #1 be the pods over the launch with the rear of the brac with the rear of the laune



Glue the pods to the BT-50, one along each side of the brace 5/8" from the end of the tube, and with the #2 lines on the pods lined up with the #3 lines on the body.

Set aside to dry



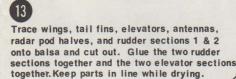
REAR VIEW

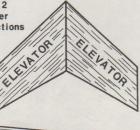
balsa, cut out, and shape as

shown. Glue brace to BT-50

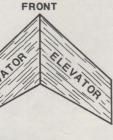
straight along line #2, 1/4"

from end of the tube.





When dry, sand all fins and radar pods to shapes shown.



FRO

