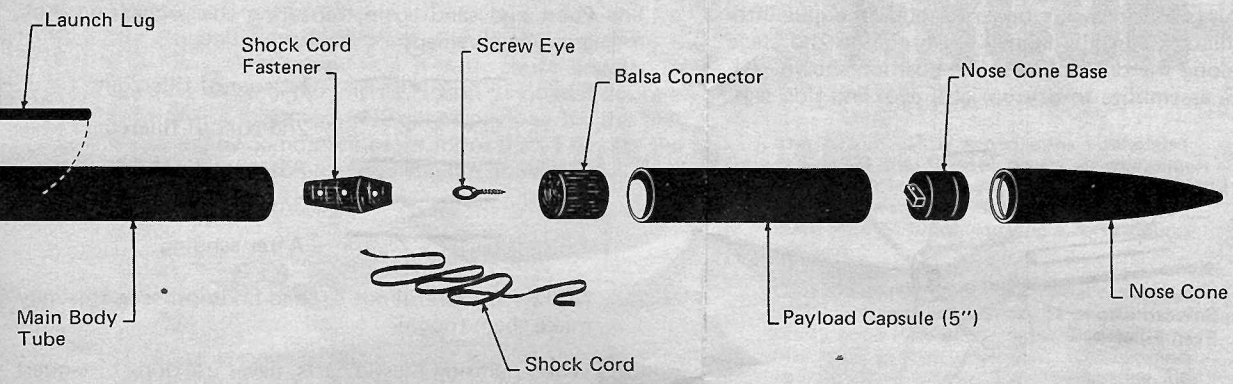
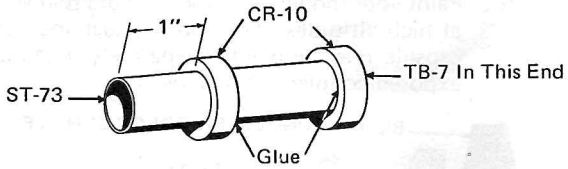
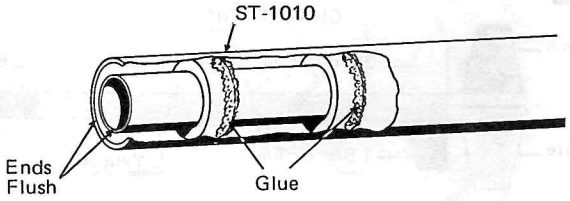
SUSTAINER ASSEMBLY (SECOND STAGE)



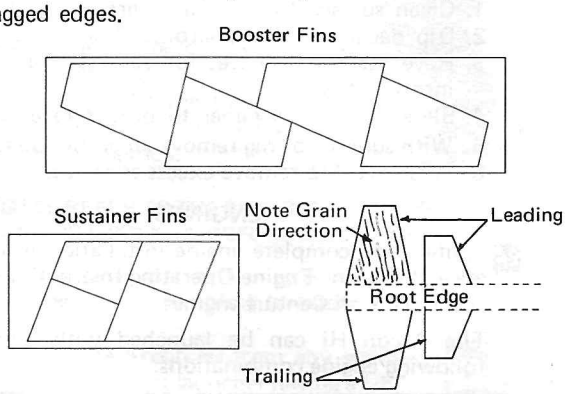
8 Glue the TB-7 thrust ring into the ST-73 engine tube in the same manner you did on the first stage (see step 2). Glue one CR-10 centering ring flush with the front end of the engine tube (thrust ring end). Glue the other CR-10 in place 1" from the opposite end of the engine tube.



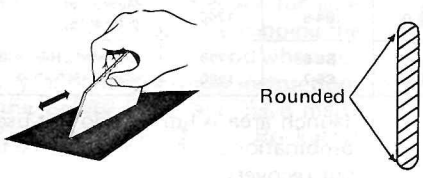
9 Flow glue onto the outside faces of the centering rings and insert assembly into the ST-1010 main body tube. Rotate the tube to allow glue to flow into the joints.



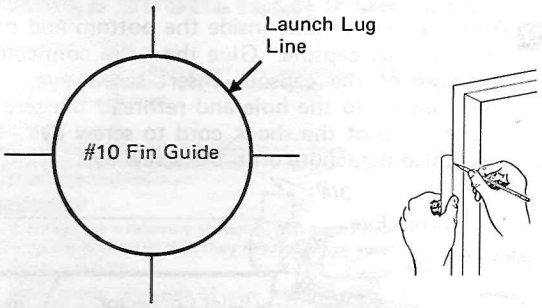
10 Carefully remove the die-cut balsa fins from their sheets. Use a modeling knife, if necessary, to avoid ragged edges.



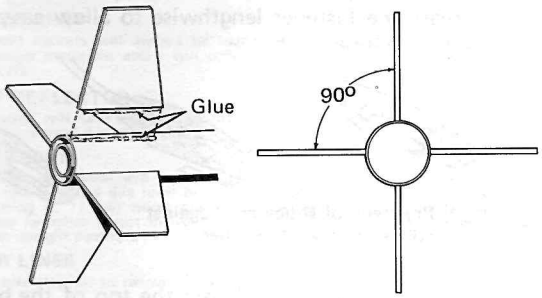
11 Square up the fin edges by running over a piece of fine sandpaper. Round the leading and trailing edges and lightly sand the faces of the fins. Do not round the fin root edges.



12 Stand the booster body tube on the fin guide to mark locations. Find a convenient channel or groove, such as a door jamb, partially open drawer, or molding. Extend the marks the full length of the tube. Repeat with the main body tube, being sure to include the launch lug line.



13 Apply a bead of glue to one sustainer fin's root edge and press onto the main body tube along a drawn line. Remove, allow it to become tacky. Add fresh glue to fin, and reposition. Repeat with remaining fins. Check alignment visually, and allow assembly to dry standing upright, avoiding glue runs.



14 Glue the booster fins in place in the manner outlined above. The bottom of the fins should be even with the bottom of the booster body.

