ASSEMBLY INSTRUCTIONS

FOR BEST RESULTS . . . FOLLOW DIRECTIONS CAREFULLY!

1 FIN AND NOSE CONE PREPARATION

Using a sharp modeling knife and a metal straight edge, carefully cut the fins from the balsa sheet (Fig. 1). Square up all fin edges with fine sandpaper (320 to 400 grit) (Fig. 2). Then round all fin edges except those marked "root edge" which are glued to the body tube. (Fig. 3).

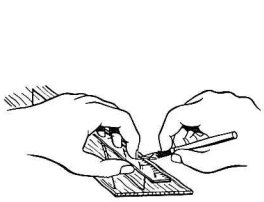


Fig.1

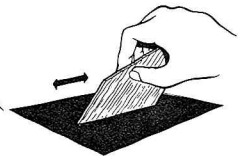


Fig.2

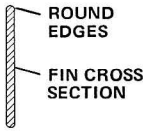


Fig.3

To protect the fins from the engine's hot exhaust, it is best to coat their trailing edges with glue, which when dry will act as a heat barrier. Apply a thin film of glue to the trailing edge of each fin and on both sides of the fin in the area shown in Fig. 4 & 5. Smooth out glue with fingertip and set fins aside to dry.

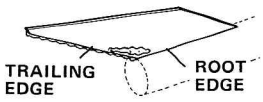


Fig.4

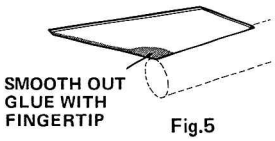


Fig.5

IMPORTANT NOTE – To assure a good finish on your rocket, apply several coats of balsa fillercoat or sanding sealer to the nose cone and all fin surfaces EXCEPT on "root edges". Between coats, sand the cone and fins with fine sandpaper (400 grit recommended). This step of "fillercoating" can be done before OR after attaching fins to the body tube.

2 ENGINE MOUNT ASSEMBLY

Stand the engine tube and thrust ring on a flat surface and mark the engine tube with a pencil as shown in Fig. 6.

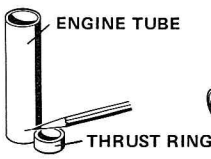


Fig.6

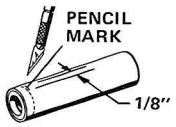


Fig.7

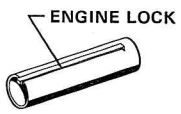


Fig.8

After marking, apply a bead of glue around the marked end of the engine tube and cement the thrust ring flush with the end of the engine tube (Fig. 7). Cut a short slit in the engine tube on the pencil mark and press one end of the metal engine lock into the slit. (Fig. 8).



Fig.9

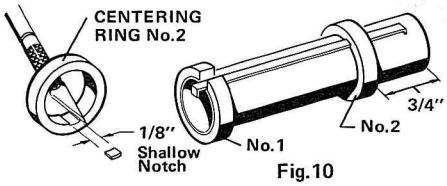


Fig.10

Next, cut the two centering rings as shown in Fig. 9, slip over the mounting tube, line up with metal engine lock, and glue rings into place as shown in Fig. 10.

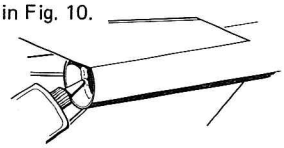
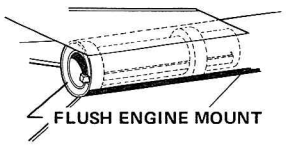
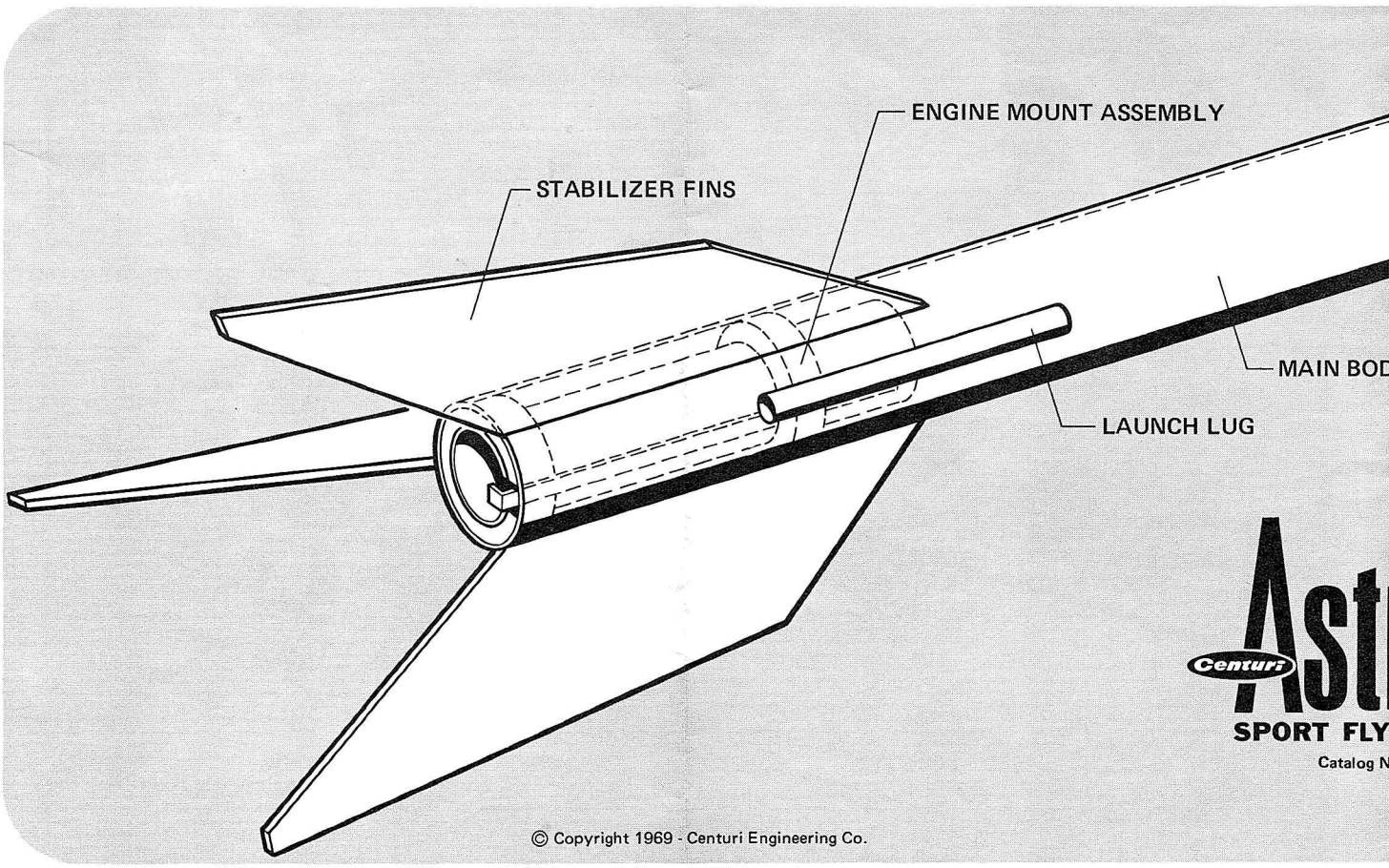


Fig.11



When the assembly is dry, apply a generous amount of glue inside the end of the body tube and push the engine mount into body tube until bottom centering ring is flush with end of body tube.



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