



Model Plan 1

The Virginian – Sport Model

History

The Virginian was designed to help utilize some of the spare parts that we were collecting. By mixing and matching various parts, the resulting model was a realistic sounding rocket type design. The original model was first featured in the NARHAMS Competition & Sport Plan Booklet for CAPCON-91. The Virginian had over 20 successful flights before being lost.

Construction Notes

The original model used only an engine block. You may wish to add an engine hook, although we never had an issue with a motor ejecting.

The two 'conduits' up the side of the model are scrap pieces of 3/32 by 3/16 balsa, tapered at each end. These are just for show and can be left off of the model if desired. They do add a scale appearance, however.

The model splits at the balsa adapter, with a screw eye inserted into the larger end to attach the shock cord and parachute. The original model used a 12-inch parachute and the shock cord was 16-inches of 1/8inch elastic. The smaller body tube was glued to the adapter.

Check for stability prior to flying. We found that our original model needed some nose weight.

Finishing

The original model was painted white, with three fins yellow and one fin orange (to keep the sounding rocket theme). You can paint the model in any fashion you desire.

Recommended Motors

The model was flown successfully on the following:

A8-3, B4-4, B6-4, C5-3, C6-3

