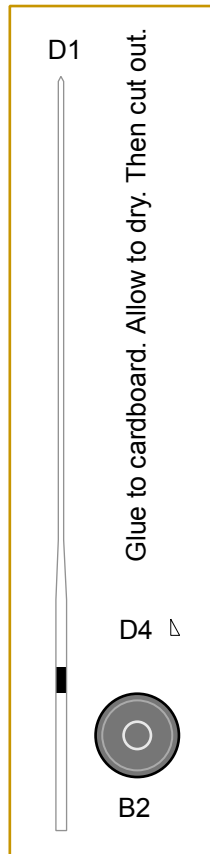
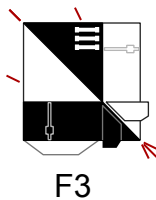
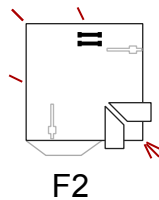
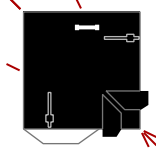
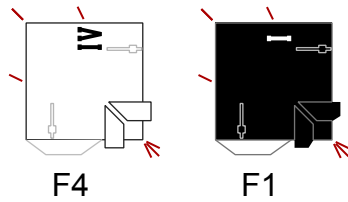
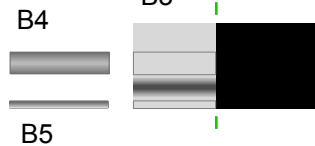
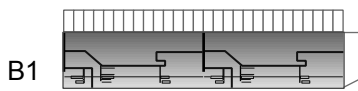
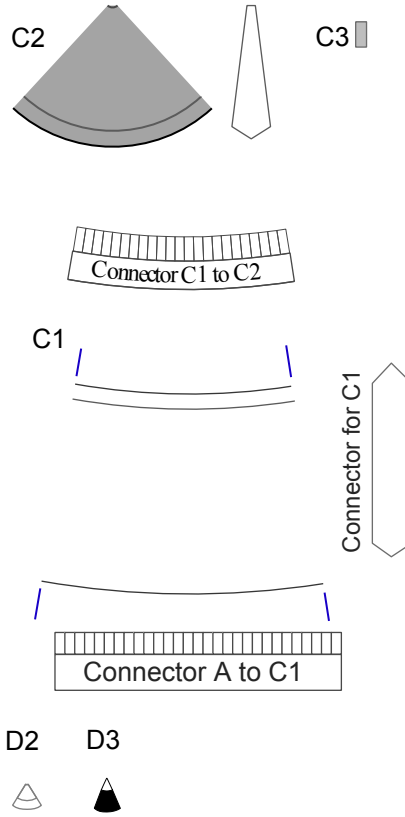
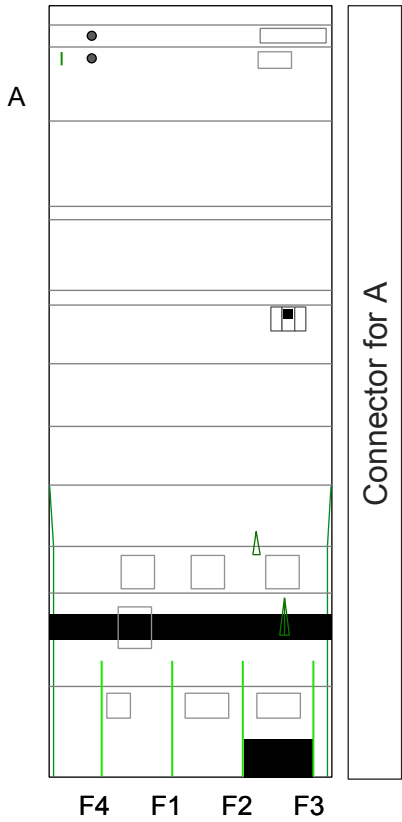
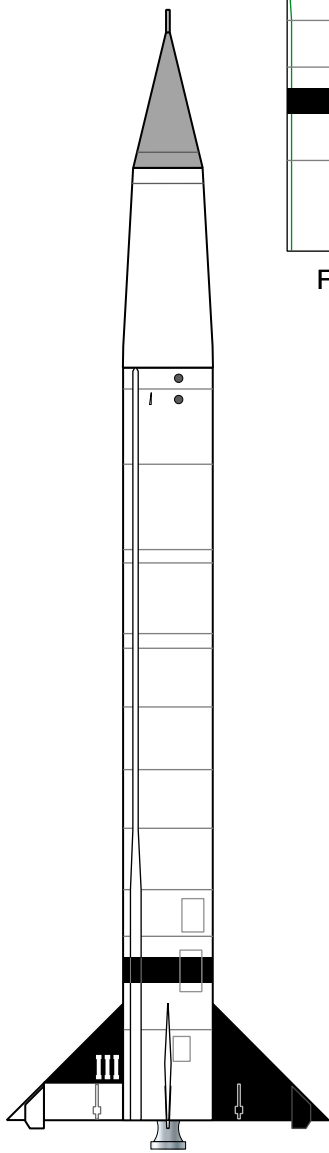


1 IN |-----| A4 Paper
 1 CM |-----| Printer Scale

1/96th Scale



Template: G

Cross-section of assembled fins.

MARTIN VANGUARD TV-1

Launched 1 May 1957

The Vanguard TV-1 was a two-stage test vehicle. The first stage was the Martin Viking No. 14 slightly modified for the Vanguard program. The second stage was a prototype solid propellant Vanguard third stage, built by Grand Central. The second-stage payload was an instrumented nose cone.

Primary goal was flight testing the third-stage for spin-up, separation, ignition, and propulsion performance. The secondary goal was for further evaluation of ground handling procedures, techniques and equipment, and in-flight vehicle instrumentation and equipment.

The flight was successful: flight operation and performance of all powerplant systems were very good. The vehicle was properly controlled throughout flight to an altitude of 121 miles and a range of 451 miles.

