

# Simplified Vostok

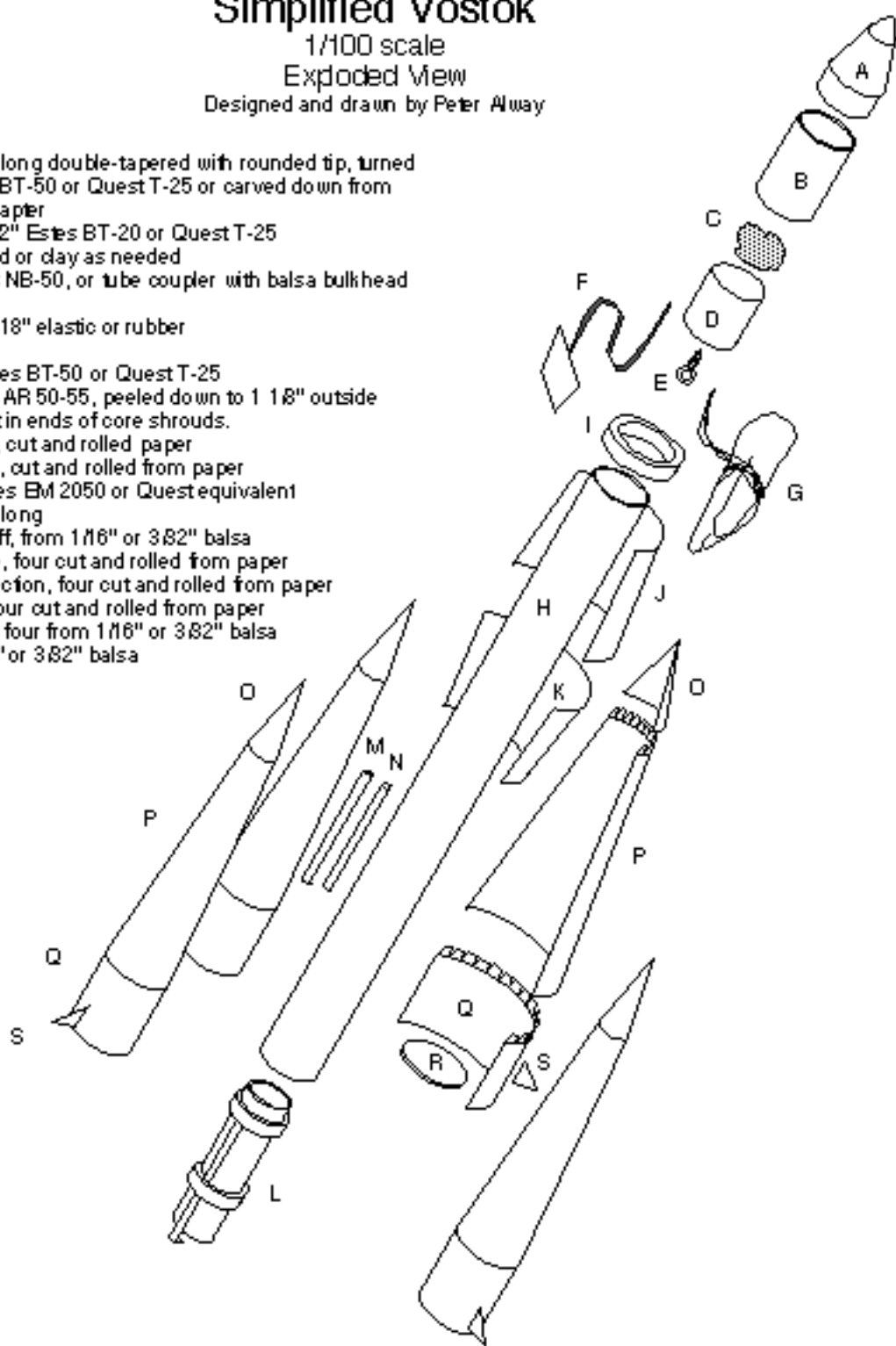
1/100 scale

Exploded View

Designed and drawn by Peter Alway

## Parts:

- A) Nose cone: 1 1/4" long double-tapered with rounded tip, turned from balsa to fit Estes BT-50 or Quest T-25 or carved down from balsa nose cone or adapter
- B) Payload tube: 1 1/2" Estes BT-20 or Quest T-25
- C) Nose Weight: Lead or clay as needed
- D) Nose block: Estes NB-50, or tube coupler with balsa bulkhead
- E) Screw eye
- F) Shock cord, 1/8" x 18" elastic or rubber
- G) 12" parachute
- H) Body tube: 12" Estes BT-50 or Quest T-25
- I) Adapter ring, Estes AR 50-55, peeled down to 1 1/8" outside diameter, sanded to fit in ends of core shrouds.
- J) Upper core shroud, cut and rolled paper
- K) Lower core shroud, cut and rolled from paper
- L) Engine mount, Estes BM 2050 or Quest equivalent
- M) Launch lug, 2 1/4" long
- N) Launch lug standoff, from 1/16" or 3/32" balsa
- O) Booster nose cone, four cut and rolled from paper
- P) Booster tapered section, four cut and rolled from paper
- Q) Booster cylinder, four cut and rolled from paper
- R) Booster base disk, four from 1/16" or 3/32" balsa
- S) Fin, four from 1/16" or 3/32" balsa



For best results, turn the nose cone from wood using a lathe or power drill. It may be faster to carve the cone from a balsa nose cone or adapter. The balsa adapter TA-2050A, provided with the Estes "Designer Special" kit is a good starting point. Begin by carving a simple cone that matches the pattern for the lower part of the nose cone. Sand into a uniform, smooth cone. Then use the end of a BT-5 tube to draw a circle about 7/8" above the base of the taper, and carve and sand the upper taper. Finally, round the tip.

