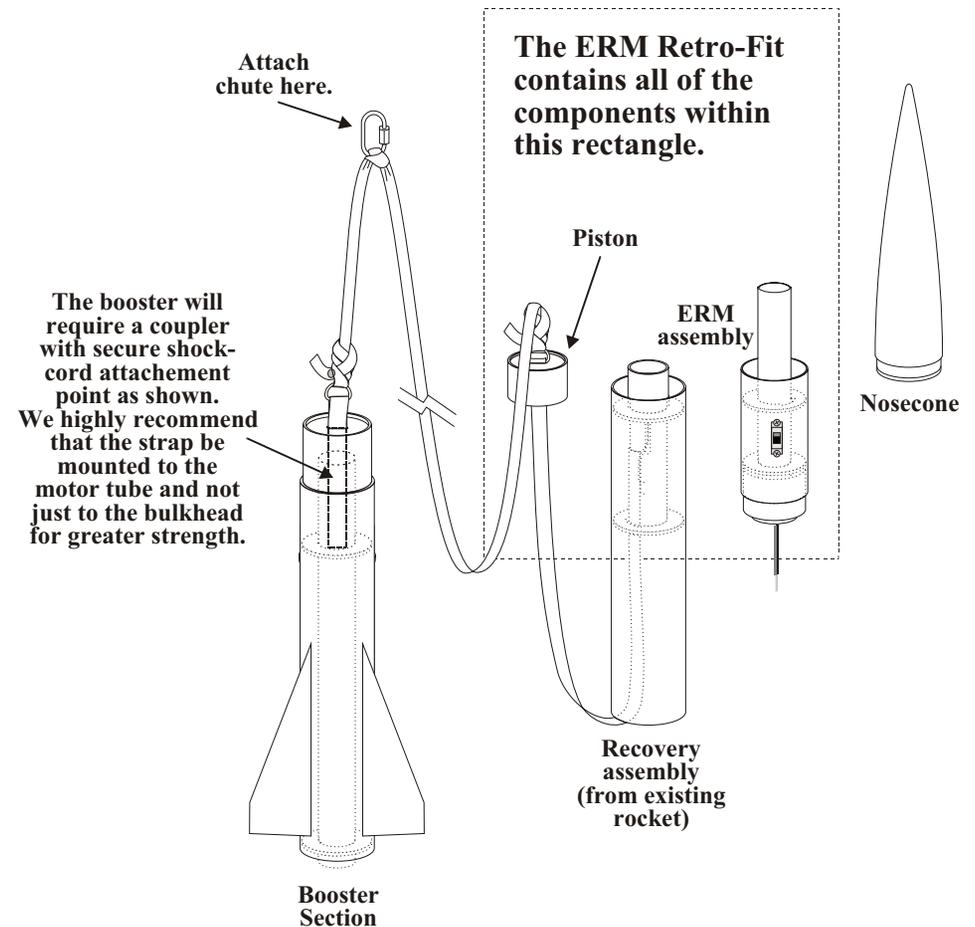
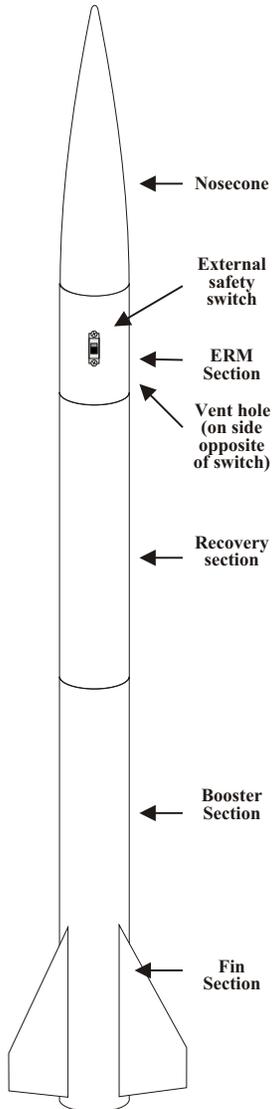
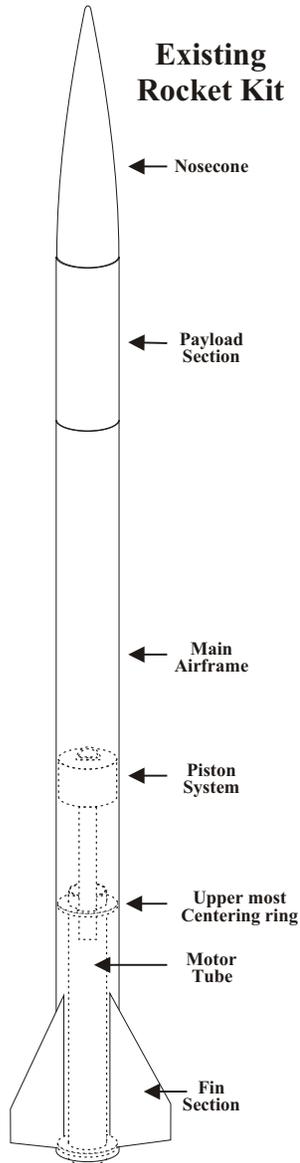


Below are diagrams illustrating the basic components of  
an ERM based rocket.  
See page 2 for details.

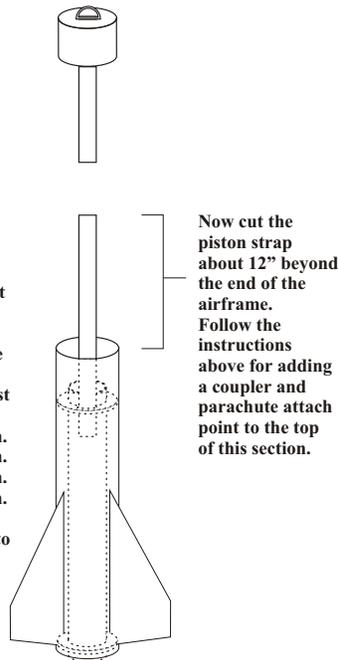
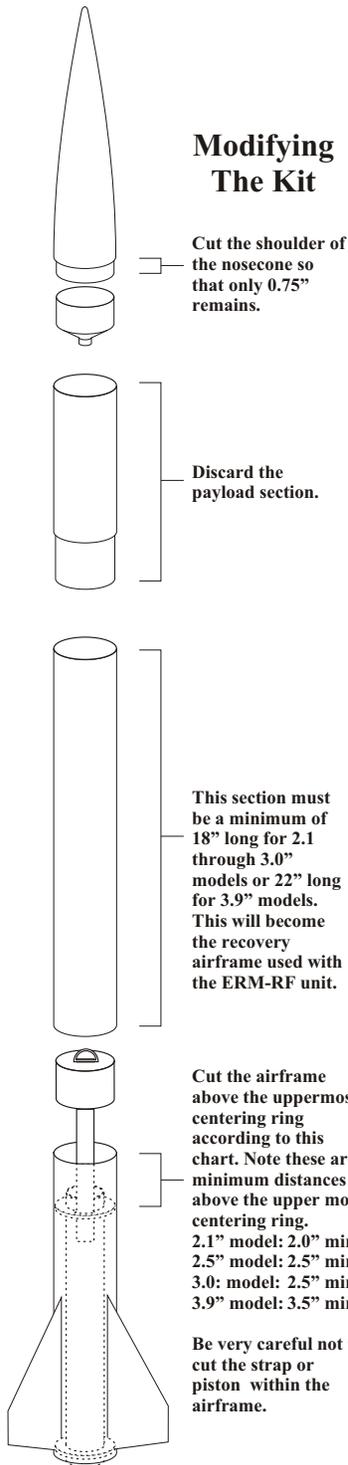




## Retro-Fit Modifications to an existing rocket

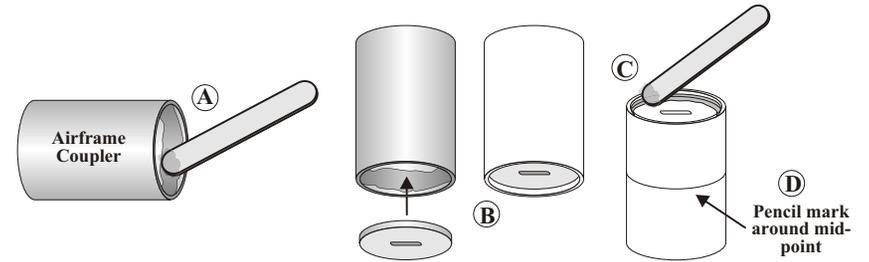


### Modifying The Kit

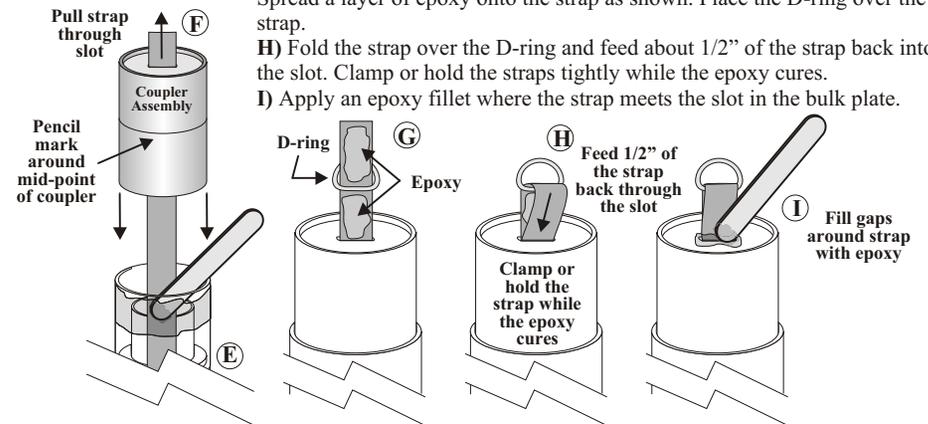


### Adding the Coupler & Parachute Attach Point

- Spread a bead of epoxy around the inside circumference of one end of the longest airframe coupler tube.
- Press the slotted bulk plate into the coupler about 1/4" past the end. Allow the epoxy to cure.
- Flip the assembly over and add an epoxy fillet to the other side of the bulk plate.
- Draw a pencil mark around the mid-point of the coupler tube.



- Use a pencil to mark the mid-point of the coupler. Spread a layer of epoxy around the inside circumference of the airframe above the uppermost centering ring.
- Slip the end of the strap through the slot in the bulk plate of the coupler assembly. Slowly and with a twisting motion, push the coupler into the airframe up to the pencil mark. Pull up on the strap to make sure it is not bunched up inside the coupler. Allow the epoxy to cure.
- Cut the strap 4-1/2" above the bulk plate and seal the end by heating it with a lighter or match. Spread a layer of epoxy onto the strap as shown. Place the D-ring over the strap.
- Fold the strap over the D-ring and feed about 1/2" of the strap back into the slot. Clamp or hold the straps tightly while the epoxy cures.
- Apply an epoxy fillet where the strap meets the slot in the bulk plate.



[www.publicmissiles.com](http://www.publicmissiles.com)

The PML Web Store and Knowledge Base

