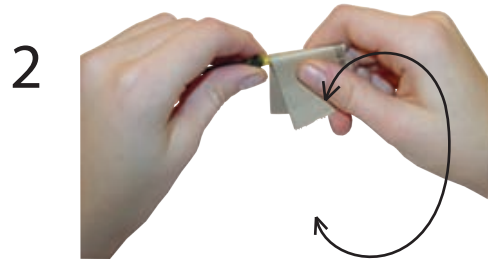


For Experts Only: Achieving Extra Altitude

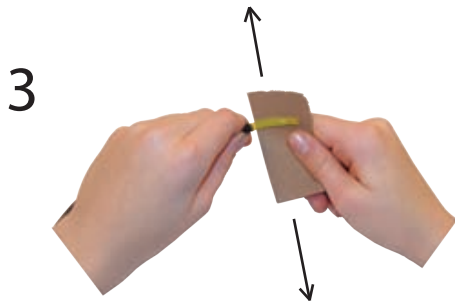
This special modification of any of the AntiGravity launchers or the interstage release mechanism allows them to hang onto the rocket at much higher pressures, releasing the rocket only when you depressurize the line by disconnecting it from the bicycle pump. Use extra caution when using this method because the higher pressures involved can put the bottle much closer to its burst pressure. Make sure to keep yourself and others at least 20 feet away from the pressurized bottle, and keep in mind that for a 2-liter bottle, you add about 1 psi of pressure per stroke of your bicycle pump.



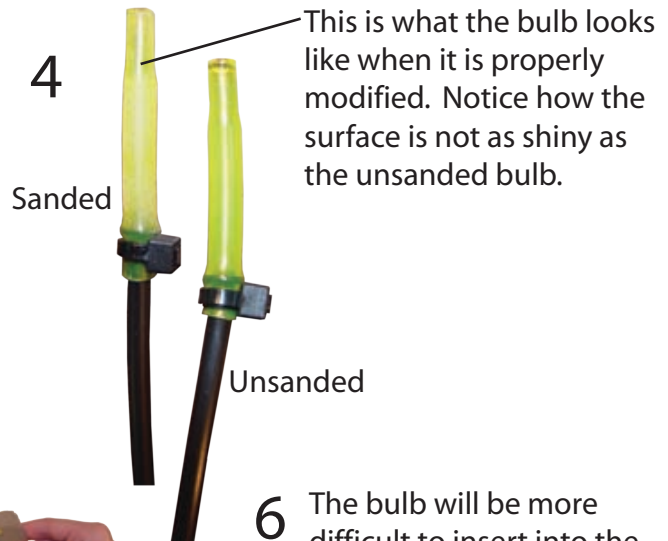
1 Tear a small piece from a sheet of 220 grit (very fine) sandpaper.



2 Use the sandpaper to roughen the surface of the yellow launcher bulb. Wrap the sandpaper around the bulb, then twist the bulb and the sandpaper back and forth. This makes the scratches go around the bulb (radially). Scratches should **not** be lengthwise.



3 Make sure that the entire surface of the bulb is rough, but don't sand away any of the yellow bulb. Only surface scratches are needed.



4 This is what the bulb looks like when it is properly modified. Notice how the surface is not as shiny as the unsanded bulb.

Sanded

Unsanded



5 This method works for all AntiGravity launchers and for the 2-Stage rocket's interstage release mechanism.

6 The bulb will be more difficult to insert into the rocket nozzle because of the increased friction, so you may have to vigorously wiggle the bulb to insert it.

