

FULL BETTY

INSTRUCTION SUPPLEMENT

Please follow these recommended changes to the original kit instructions to correct errors that would prevent your booster from fitting properly. These modifications also will improve the recovery of the booster stage: it will now float/tumble gently back to the ground.

Build the upper stage just like the instructions indicate.

Just to clarify the instructions:

In Step 01, the end of the Yellow Motor Mount Tube with the slit will be the end with the mark close to the end (1/4" from the end). You will install the Motor Clip using this slit in Step 02 and then glue the Blue Thrust Ring in this end of the Yellow Motor Mount Tube in Step 03.

Corrections to the Booster Stage assembly.

Step 14: Glue the Blue Ring in the OPPOSITE end of the Yellow Motor Tube than is shown in the instructions. The new corrected location is in the end with the mark 3/4" from the end.

Step 17: Follow the instructions and the Rear Motor Mount Ring will be flush with the rear end of the Booster Tube and the end of the Yellow Motor Mount Tube with the Blue Ring will now protrude 3/4".

Step 20: First, test fit the Tube Coupler without gluing it. Test it in both the top of the Booster Tube AND in the bottom of the Upper Stage Body Tube. It MUST slide smoothly in and out of the Upper Stage Body Tube or the Booster Stage will get stuck. If the Tube Coupler is slightly tight, sand it smooth until it fits. If it is very tight, carefully peel away the outer layer and then sand it smooth until it fits. Once the fit is corrected, you may proceed to glue the Tube Coupler into the Booster Tube as shown in Step 20.

After Step 24 and before you prepare the rocket to launch, test the fit of the Nose Cone in the top of the Upper Stage Body Tube. If the plastic shoulder is too tight, sand it until it fits smoothly into the top of the Body Tube. If it is too tight, the Nose Cone will not be able to eject and deploy the Streamer for gentle recovery. If the Nose Cone is too loose (if it falls off when you turn the rocket upside down), then the nose may fall off during "staging" (when the booster motor burns out and the upper stage motor is about to ignite). If too loose, simply apply a small amount of masking tape to the shoulder of the Nose Cone until it fits properly into the Body Tube.