

3" SCHOOL ROCKET

DIAMETER PAYLOAD SECTION INSTRUCTIONS

TOOLS REQUIRED: Scissors, Pliers, Pencil, Yellow Glue.

ASSEMBLY INSTRUCTIONS:

STEP 1. Mark the 1" coupler segment with two vertical lines $5/16"$ from each other. Cut out the $5/16"$ wide segment using scissors.

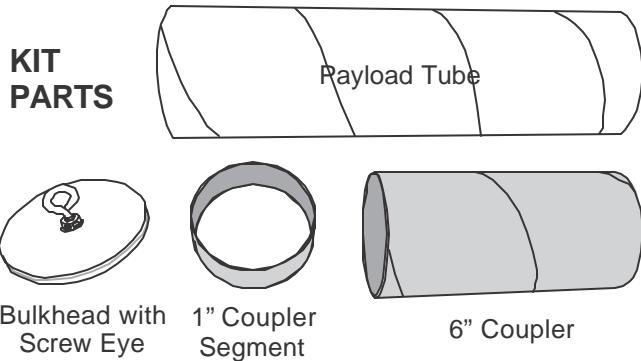
STEP 2: Using pliers on the inside nut, tighten the screw eye in the **bulkhead**. Slide the **bulkhead** into the end of the **6" long coupler** until it is about $1\frac{1}{2}"$ from the end of the tube. **Do not glue in place yet.**

STEP 3: Glue the 1" coupler in the end of the **6" coupler**, even with the end of the long coupler. Let dry.

STEP 4: Slide the **bulkhead/screw eye** back down until it butts up against the glued in **coupler**. Apply a glue fillet around the inside **coupler/bulkhead** joint. With a pencil, mark the long **coupler** at the **3"** halfway mark.

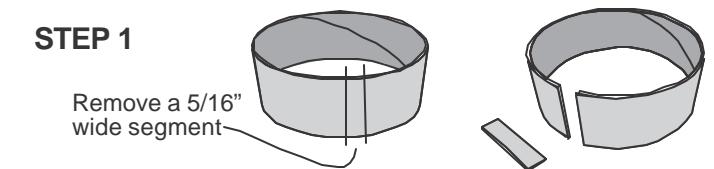
STEP 5: Apply glue inside the end of the **large payload tube**. Slide the **coupler/bulkhead assembly** into the glued tube with a steady movement without stopping. Slide up to the **3"** mark on the **coupler tube**. Assembly is complete. *When adding this payload bay to the 3" School Rocket, the Center of Pressure (CP) moves to 9.4" from rear edge of the body tube.*

KIT PARTS



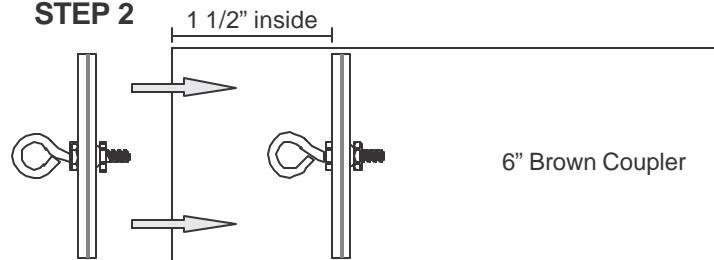
STEP 1

Remove a $5/16"$ wide segment

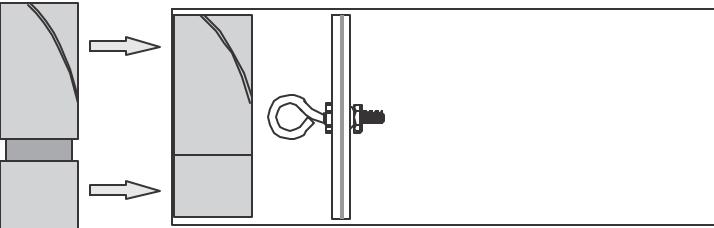


STEP 2

$1\frac{1}{2}"$ inside

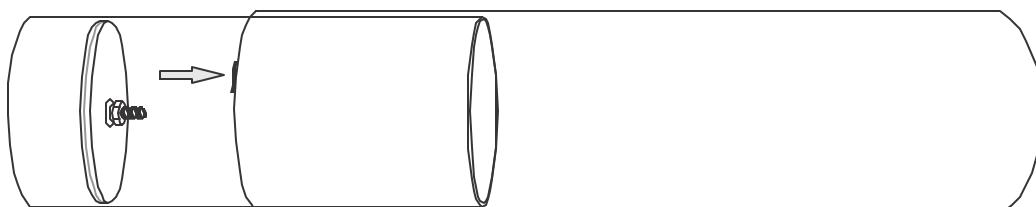
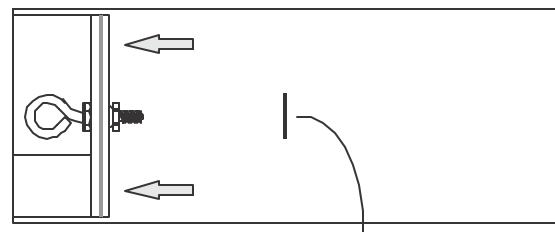


STEP 3



STEP 4

Pencil mark at 3" mid-point



Another Quality Kit from:



Mercury Engineering Co.
3900 S. Winchester
Pahrump, NV 89048
775-537-6232