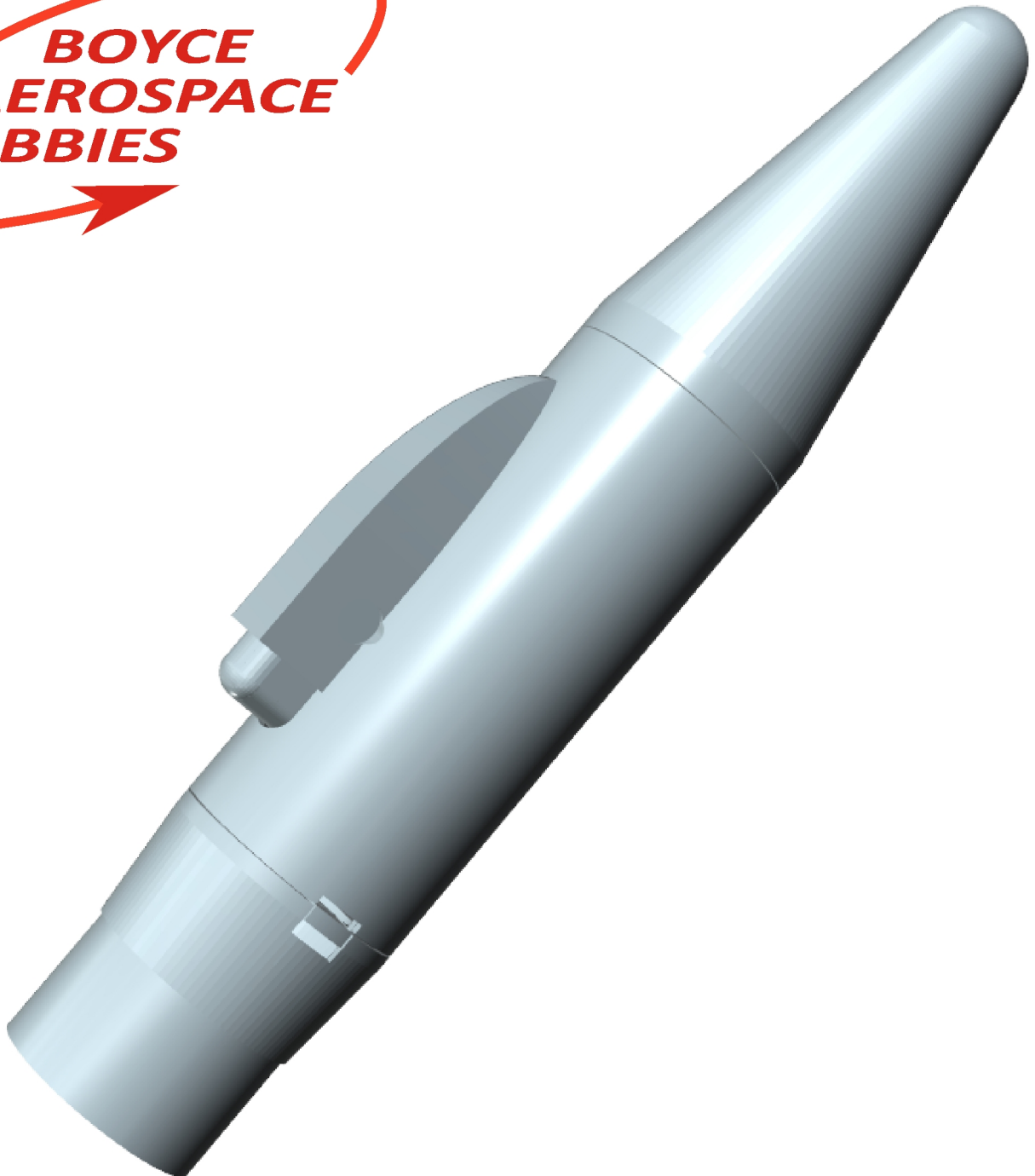


# I-1 SCALE CINEROC-ASTROCAM REPLICA NOSE CONE KIT

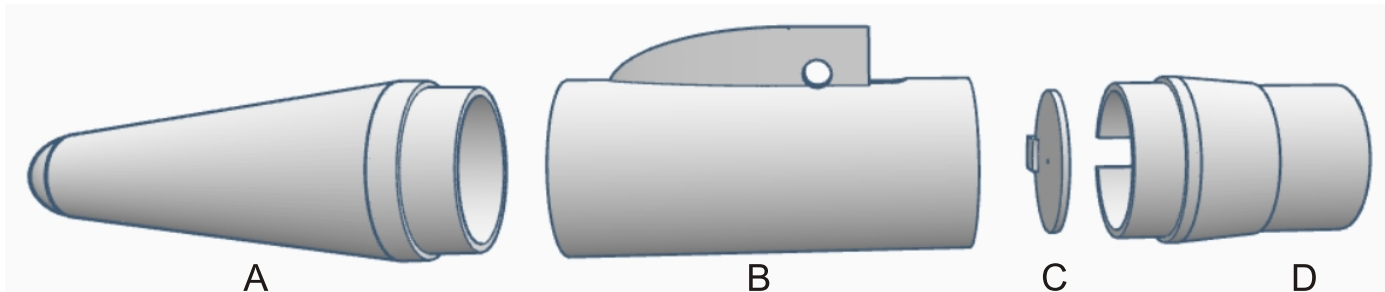
**DISCLAIMER** - *The products sold by Boyce Aerospace Hobbies are intended for display and/or flight with use of explicitly stated model rocket motors. Launching of model rockets may be dangerous; use our products at your own risk. Boyce Aerospace Hobbies is not responsible for any damages or injuries incurred from the use or misuse of our products. Our kits are not intended to be modified or used with motor sizes different than stated. The product should be purchased by an adult and if used by a minor, under the supervision of a parent at all times.*

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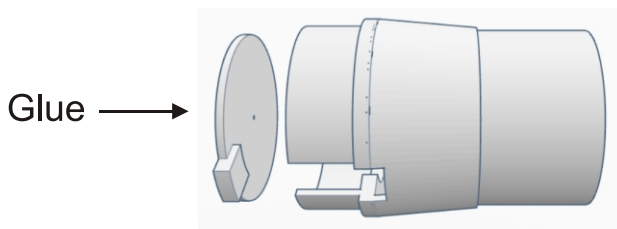
# Cineroc-Astrocam Replica Nose Cone Kit

Thank you for purchasing a Boyce Aerospace Hobbies Cineroc-Astrocam Nose Cone Kit. Please read these directions fully before you begin. All parts will be referred to in these instructions as labeled in the drawing: A-Nose Cone, B-Payload Tube, C-Payload Bulkhead, and D-Lower Transition.

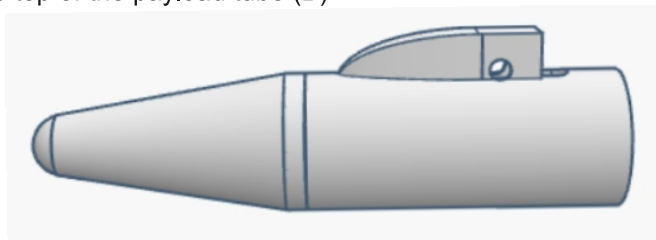


Check the fit of the nose cone (A) into the top of the payload tube (B) and the fit of the lower transition (D) into the bottom of the payload tube (B). Sand with 220 sandpaper if needed to ensure a nice slip fit into each other. Before assembly screw and super glue the provided metal screw eye for your recovery system into the outside hole in the base of the lower transition (D).

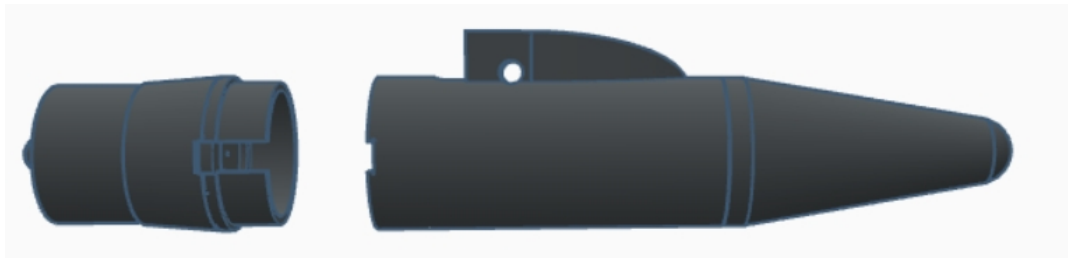
Glue the bulkhead (C) as shown into the transition (D) using super glue gel. Make sure the orientation of the raised notch is as shown below.



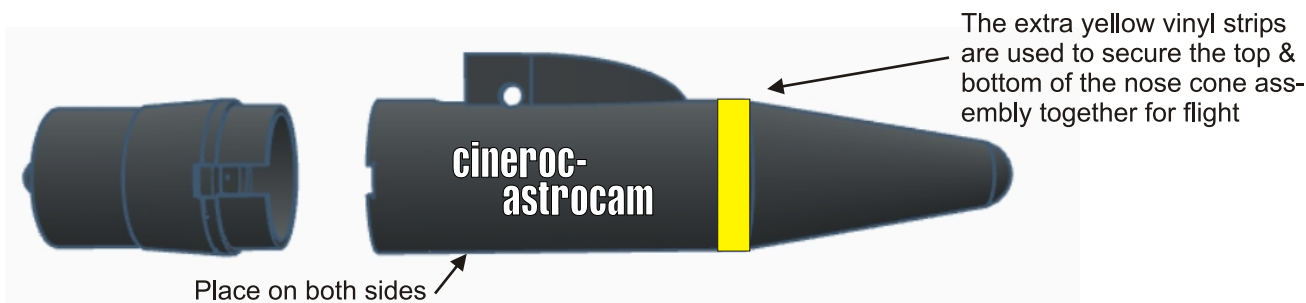
Glue the nose cone (A) into the top of the payload tube (B).



Sand the Cineroc-Astrocam Nose Cone parts with 400 grit wet/dry sandpaper. Dry sand at first then follow with wet sanding until all surfaces are smooth to the touch. Give the parts a nice coat of gray automotive primer and allow to dry. Repeat the sanding steps again then give the model a final coat of grey primer. After this coat is dry follow this up with wet sanding only and you should have a nice finished surface that is read for painting. Paint the cone semi-gloss black as shown in the original Estes advertisement on the back side of these instructions.



When you are happy with the paint job and it has dried completely apply the Cineroc-Astrocam decals as follows:



# Cineroc-Astrocam Replica Nose Cone Kit

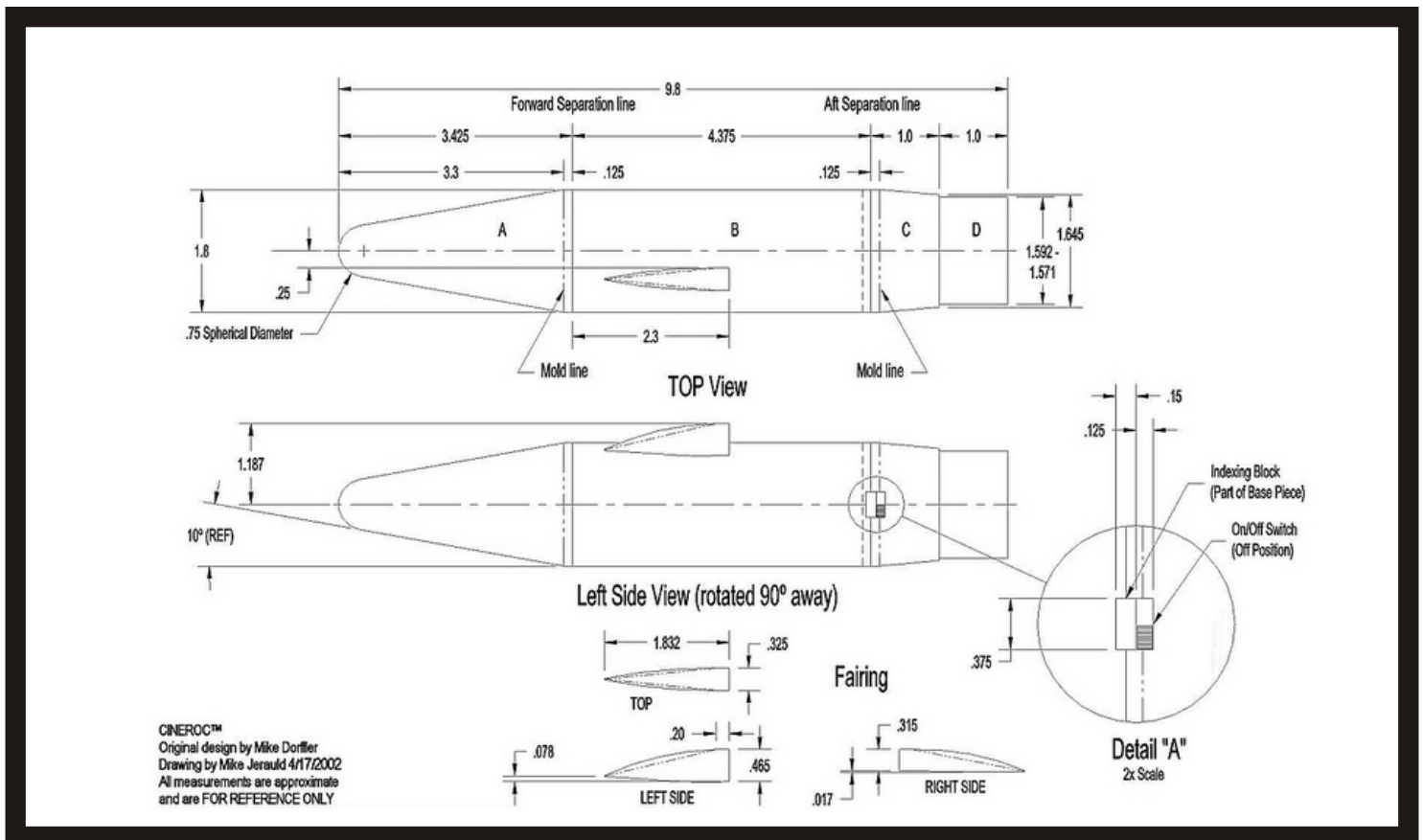
## How to use your Cineroc-Astrocam

Your Estes Astrocam will fit into the cradel in the payload bay in two orientations depending on your preference. It can be placed with the camera's activation button on the right or left side of the nose cone. Once the camera has been fully charged and is ready for flight insert the camera in it's cradel and secure it in place with one of the following methods:

- A) Insert a small balloon into the payload tube, inflate it, and tie it off. The balloon holds the camera gently in place.
- B) Apply a piece of blue painters tape to the inside of the payload tube holding the camera in place.

The base of the nose cone is then mated with the payload tube and nosecone assembly and the halves are held together with a strip of the yellow adhesive vinyl provided. Enjoy your Boyce Cineroc-Astrocam!

## The original Estes Astrocam



# CINEROC

## Model Rocket Movie Camera.....



### CAMERA SPECIFICATIONS

Fully loaded the Cineroc Super-8mm aerial movie camera weighs only 3 ounces.

10mm focal length lens  
f/11 - 1/500 sec. shutter,  
31 frames per second, 6"  
to infinity depth of field.  
Takes color film.

Diameter 1.75"  
Length 9.9"  
Fits BT-60 Body Tube

Completely assembled  
with Flight-Pak loaded  
with color film, 2 batteries,  
and 18" parachute.

Ship. wt. 1.5 lbs.

Cat. No. CM-8 (less  
launch vehicle) . . . . . \$23.95

### COMBINATION OFFER

The recommended launch vehicle for the CINEROC is the Astron Omega, a "D" engine bird specially designed to loft the CINEROC. Now order the CINEROC and Omega together. Shipping weight 2 lbs., 4 oz. Cat. No. RC-8 . . . . . \$25.50

