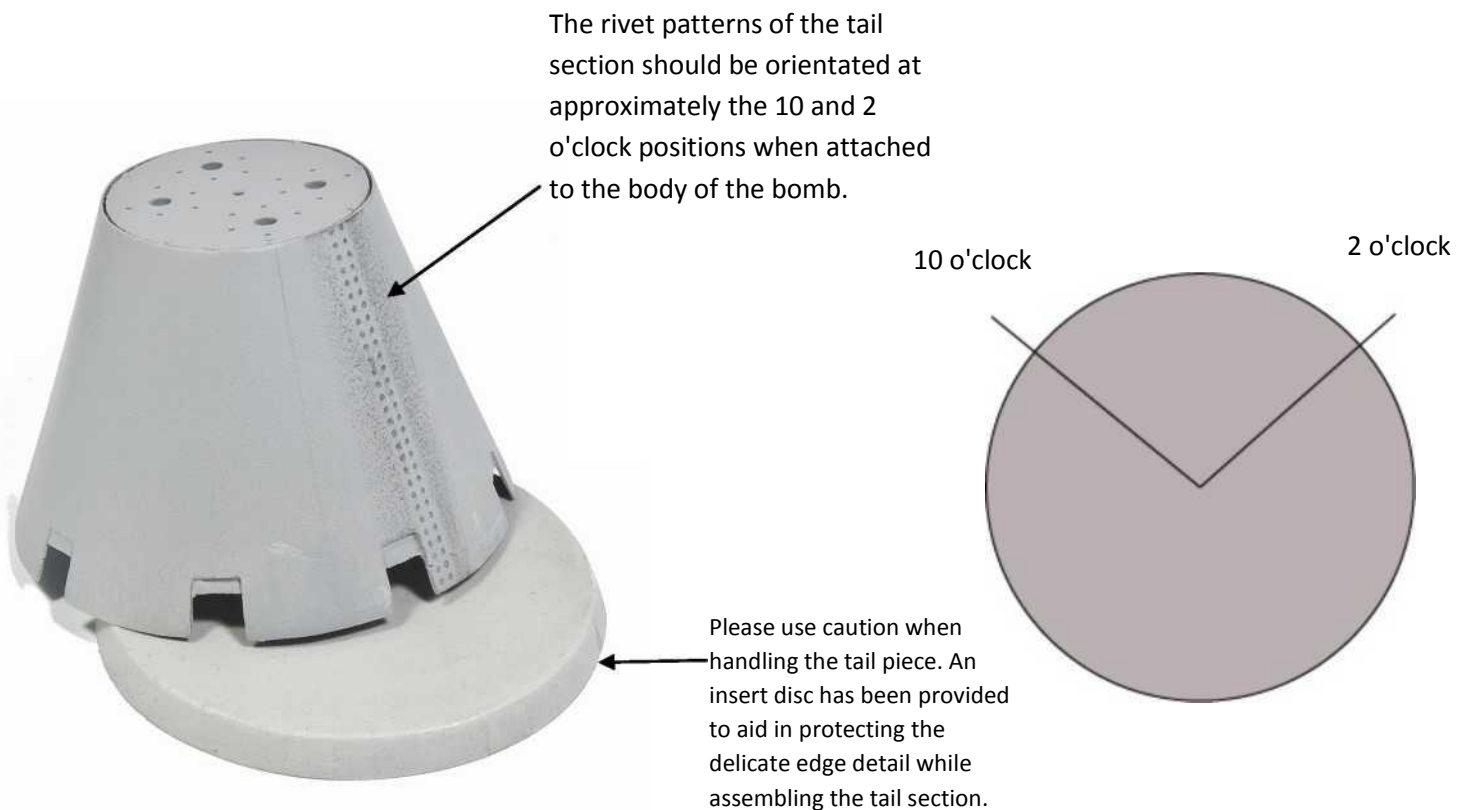


“FAT MAN”

The rear assembly of the Fat Man bomb consists of laser cut styrene parts. It is very important that the bends in the styrene be as precise as possible in order to assure proper fit. The bend lines are laser scribed into the parts for you. To aid in creating the bend, apply a small amount of liquid cement to soften the plastic. Templates have been provided to aid you in the location of the rivet decals. Simply place the parts in the templates and using a ruler, draw connecting lines for center points of the rivets.

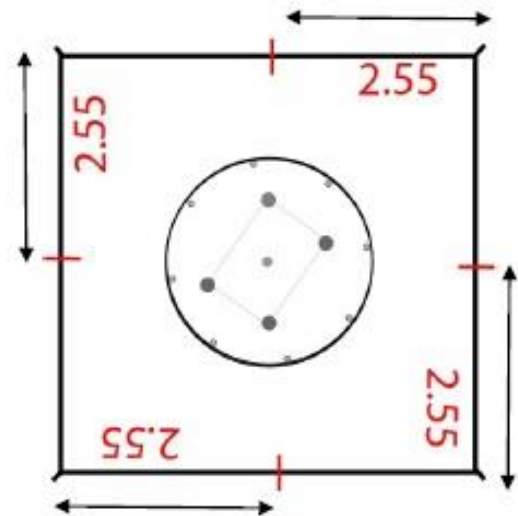
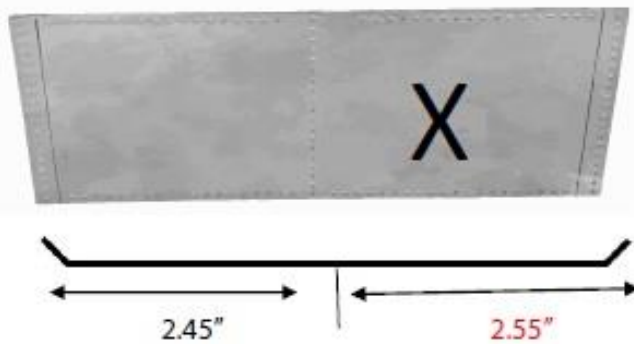
We recommend applying the rivet decals prior to bending the styrene.



"FAT MAN"

Assembly of the photo etched fins: Outer Square

Bend both ends of the large rectangular parts to a 45 degree angle.



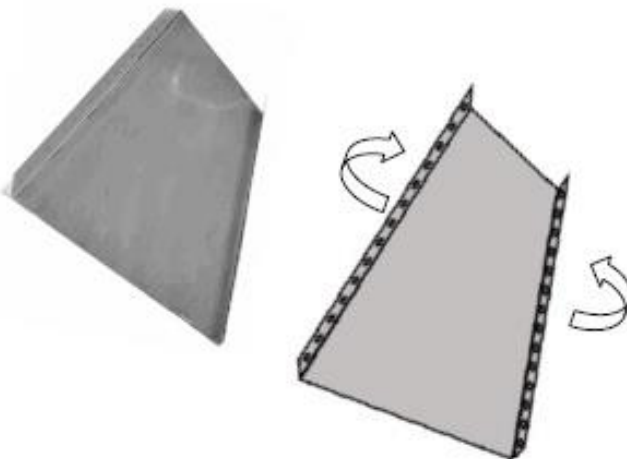
NOTE— Center rivet pattern on the outside fins is slightly offset.

Please be sure to align larger side (2.55") to the right side when viewing from the back end.

Attach the 4 fins at the corners to make square

Bend upward each edge of center fins as shown below.

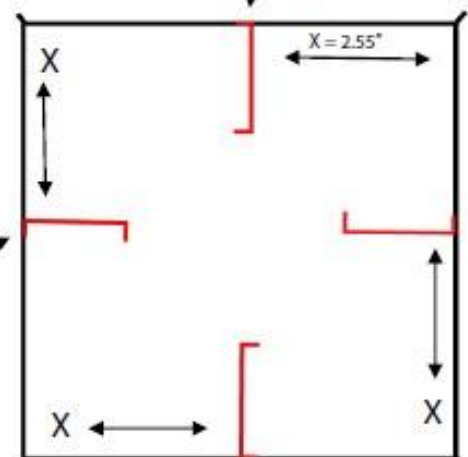
NOTE: One center fin has a single hole. This fin is to be designated as the TOP of the tail section.



Longer edge toward center core.

Shorter edge toward outside square fins.

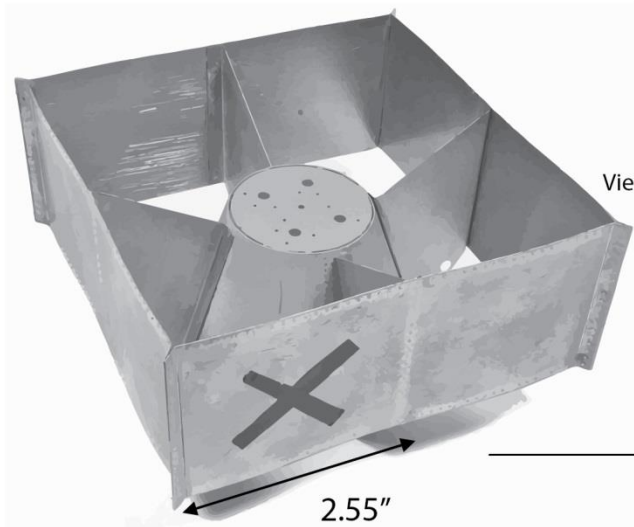
TOP



X = 2.55"

For proper placement along outer fins, align rivet pattern of center fins to match the rivet pattern of outer fins.

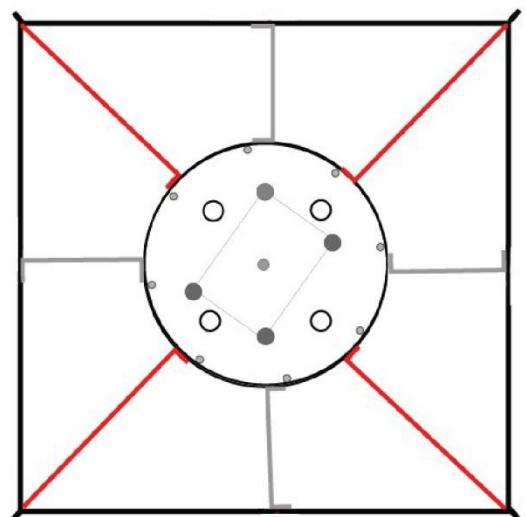
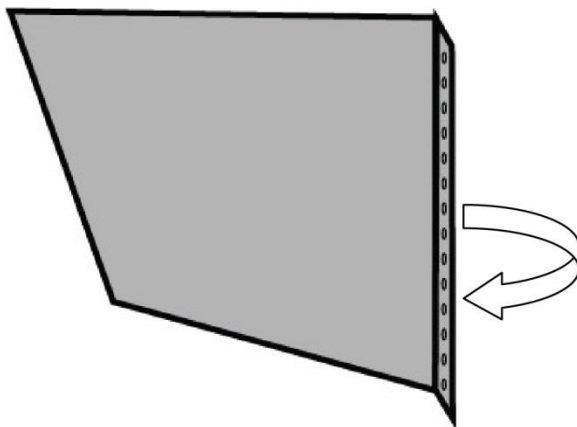
"FAT MAN"



View of outer fins along with center fins, attached to center core.



Next, add the 4 corner fins to the fin box. The outside edge of the fins fit against the corner, while the interior side attaches to the center cone.

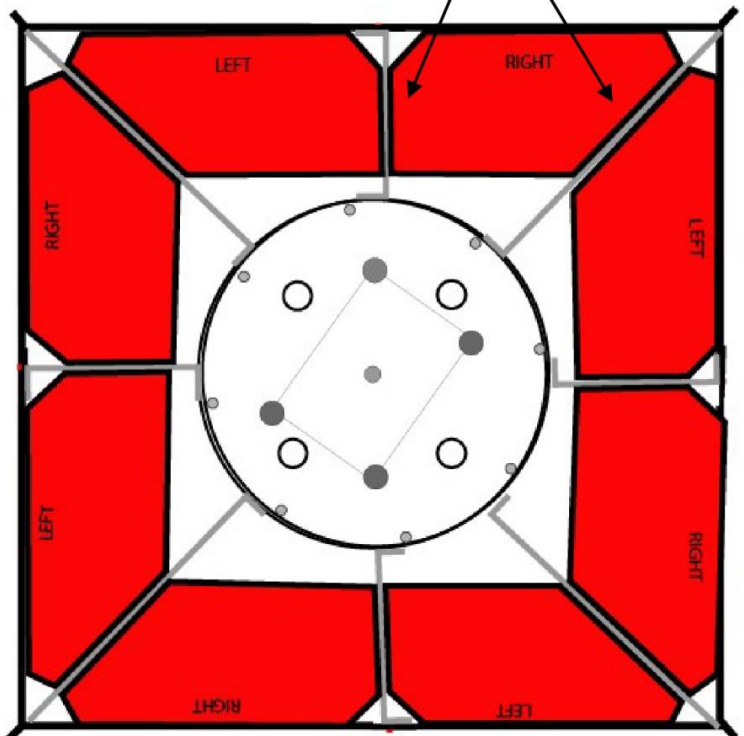
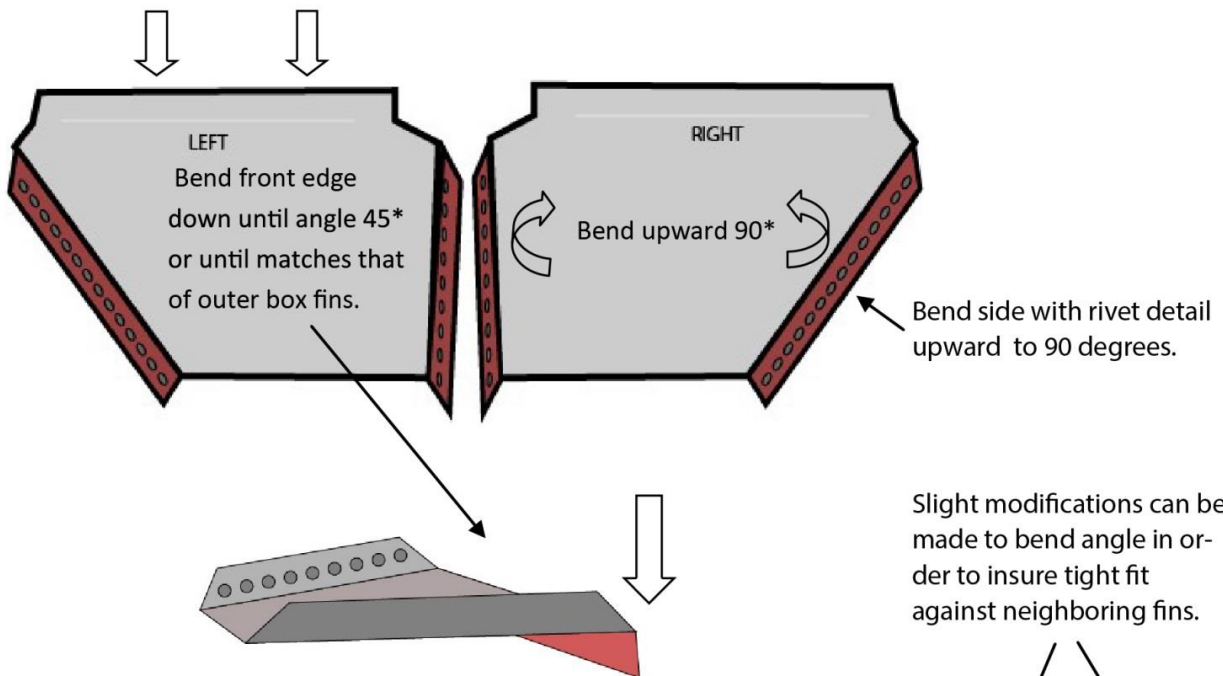


"FAT MAN"

Insertion of the baffle fins.

NOTE: The baffle fins are LEFT & RIGHT specific corresponding to off centered rivet spacing on the outer fins as noted in earlier steps.

NOTE: The front edge of both Right and Left Baffle are bent downward, or away from the upper face.



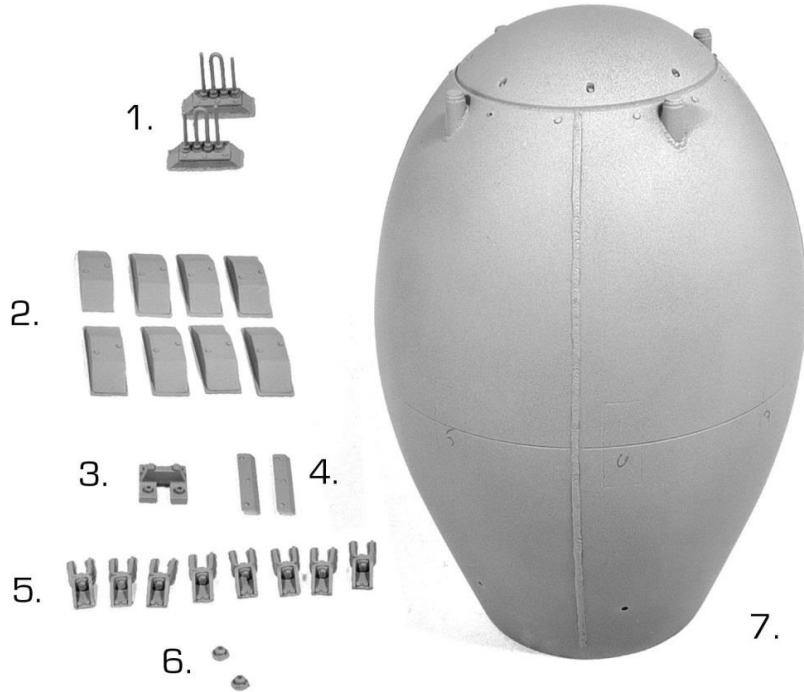
Place baffle fins within the spaces as shown above.

"FAT MAN"

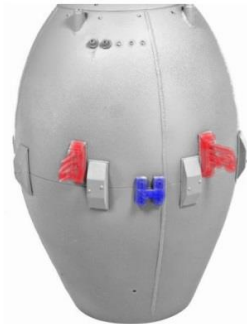
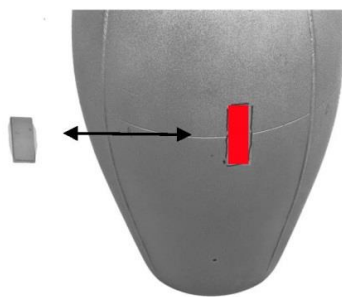
"FAT MAN"

Bomb Parts Detail:

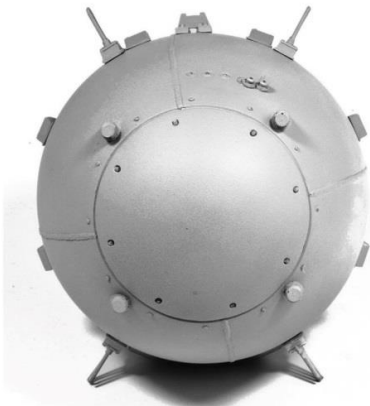
1. Archie Radar Antenna
2. Hinge Fittings
3. Lifting Hook
4. Rear Stabilizer Weights
5. Rear Clasps
6. Fuse Caps
7. Bomb



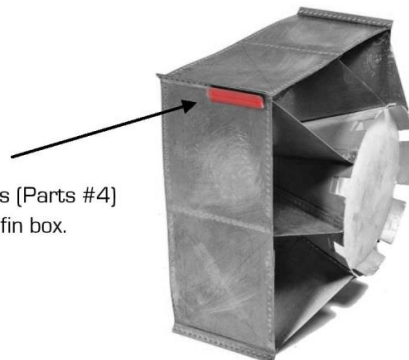
Place Hinge Fittings (Part #2) onto side of body. Look for scribed placement locators.



Place Archie Radar Antenna's (Part #1) and Lifting Hook (Part #3) and Fuse Caps (Parts #6) onto body using scribed locator positions.



Add Rear Stabilizer Weights (Parts #4) to the TOP of either side of fin box.



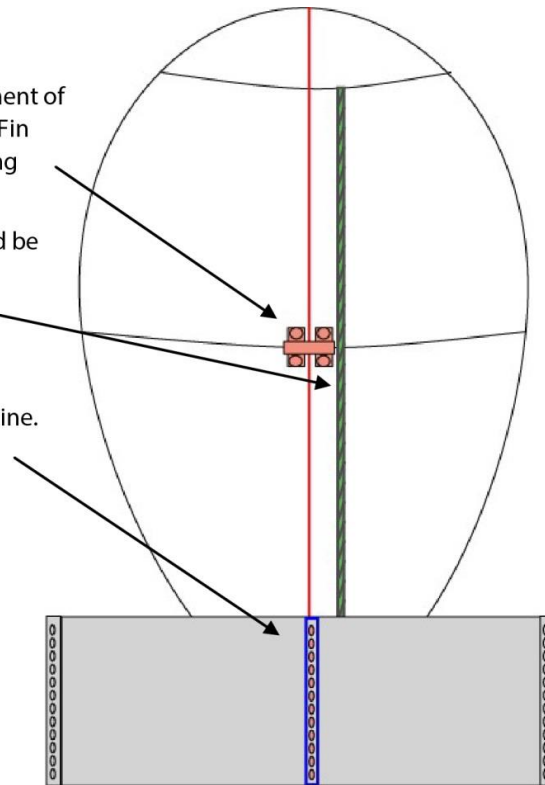
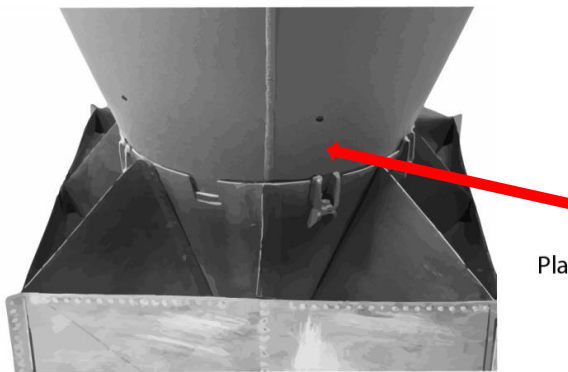
"FAT MAN"

Attachment of the Fin Box onto the Body:

It is important that careful attention be paid to the proper alignment of the rear fins to the body. The TOP CENTER FIN (the Single Center Fin with the Hole—refer to Page 2) equal to the placement of the Lifting Hook.

NOTE: WELD LINE IS NOT THE TOP CENTER LINE. Weld line should be offset slightly to the right side of the lifting hook.

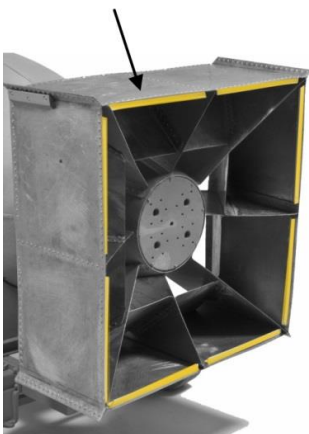
Center rivet line of Top, Square Box Fin should align with Center Line.



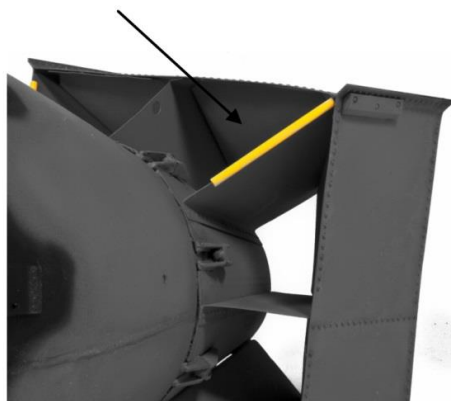
Place Rear Clasps (Part #5) into slots along tail cone.

Finishing Details:

Place 2" pieces of Evergreen Angle strip (#293) along trailing edge of flat fins.



Cut small slice along edge of 1.50" Evergreen Tube (#223) and place on front edge of each diagonal fin.



Position center fin support bars (4) made from 1.75" .030 Evergreen Rod on both the Top Center and Bottom Center fins. NOTE: Hole on leading edge of TOP CENTER FIN.

