

## INSTRUCTIONS FOR PART NUMBER 1038-2, 3, 4, 5

Aim 9 Missile instructions.

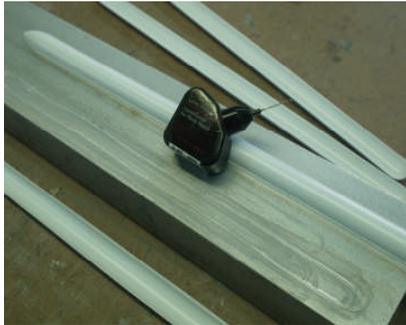
Your missile kit has been designed to make two different models, the AIM-9 and the Aim-9J. The fins you choose and the tip that will be the front determines the model type.

To start construction attach the body tube halves to a flat surface with two sided tape.

Using an orbital sander or a sanding block, sand the back of the tubes until the edges of the body break through or the plastic become very thin.

Release the tubes from the tape by rolling a small diameter wire in-between the tape and body tube. It will release the body halves easily with no damage.

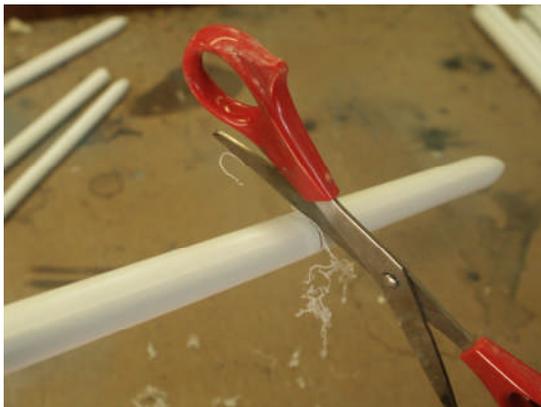
Use a hobby knife to lightly score the plastic near the edge of the missile body. Fold the plastic over to complete the cut. Save the scrap plastic, marks formed into the plastic will be used later to locate the fin positions.



Apply model adhesive to the edge by using your finger in a wiping motion. Have a rag handy to keep your fingers clean. But for a neater more complete bond, trace the shape of the body on to a non porous surface. Apply an adhesive bead along the traced line and dip both body halves edges in the cement.

Use your fingers to align the tip edges, shift them to match if needed right away. Apply light pressure to hold them together. If the sides are not edge to edge use a hobby knife in-between them so. You will have about 3 to 4 min. to make adjustments. Allow the body halves to dry overnight or longer.

Use the edge of a pair of scissors to scrape away the high point of the joint then sand any other high points away. Apply primer to the missile body to etch the plastic surface, this will help any filler needed to stick better. Modeling putty or automotive spot putty works very well to fix any defects.



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### Attaching the fins

Now is the time to decide which Aim missile will go on your plane. The Aim 9J has the blunt tip with the forward fin being more complex. However as you can see changing the fin configuration and length of the body drastically changes the model. The marks ( bumps) on the scrap plastic from the body halves are just a guide.

Place the scrap plastic around the Missile body and mark the fin locations front and rear.



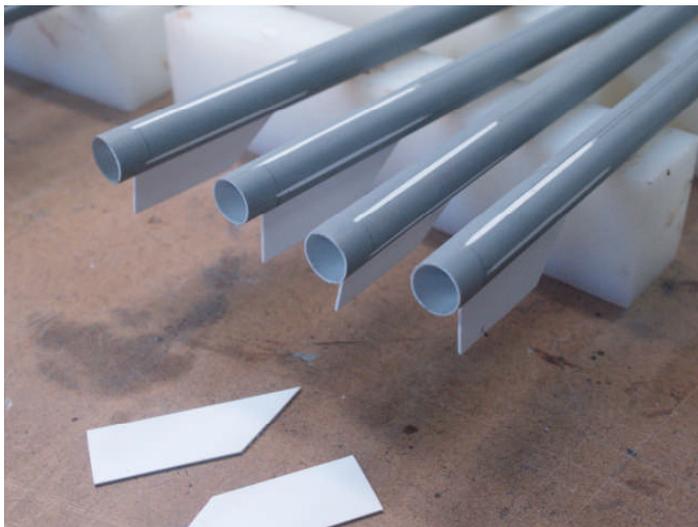
Wrap a piece of paper around the missile body and make a mark where they overlap.



Fold the paper into quarters and mark the folds. Wrap the missile with the paper once more and align the marks so they miss the body seams.



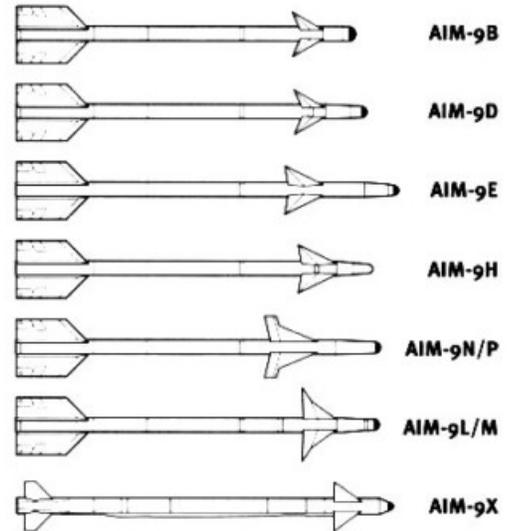
Use a piece of angled stock to draw the lines for the fins using the marks. Anything with a parallel 90 degree straight edge will do, example: a tool box drawer handle or the guide groove in a table saw top.



Scrape the primer from the missile body where the fins will attach then cut the fins from the parts sheet with a hobby knife. Stack them together so the edges can be sanded smooth then apply cement and bond them to the missile body.

Bond the aft fins first and look at them from the end of the missile as you work to ensure they form an "X".

Repeat the steps for the front fins with the difference being that not only are you looking for an "X" but they should align with the aft fins as well.



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Nails pushed into a foam board makes a nice drying rack but when you paint the missile it is much easier to have a long dowel handy to use as a handle. The dowel can be rotated to spray an even coat and if it's long enough it can be placed on a table with the missile hanging over the edge to dry.

With a little research you will find that the AIM 9 has been painted in so many ways the average person would not know the difference. What they do have in common is the colored bands that identify the missile's purpose, for instance a blue band near the front indicates the missile has an inert warhead and is used for training.

Unless your model will be in a judged contest; relax and enjoy your hobby. You know what you want your missile to look like. Chances are there was one painted just like it.

