

ROBOT B9™ Photoetch Set

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INTRODUCTION

Thank you for purchasing this photoetch set for the Moebius Models Robot B9 kit.

Materials

In addition to the photoetch, you will also need scissors or a knife* to remove individual pieces from the main fret, a file to remove material left from cutting, and super glue (aka CA or cyanoacrylate). Additionally, to fold some pieces, you will need a pair of razor blades** or a specialty tool such as a PhotoFold from ParaGrafix.

* We prefer a #17 Xacto chisel blade.

** Extreme care must be taken when using razor blades. Risk of serious injury.

Annealing

Please note that the brain box (etch part 1) has a subtle curve to it. It will be easier to bond in place if you first anneal the photoetched part. You can find out more about annealing in our primer on working with photoetched parts: http://www.paragrafix.biz/instructions/Photoetch_Demo_Handout_2009-144dpi.pdf (you can also scan the QR code above).



Key

Kit part (plastic):

1

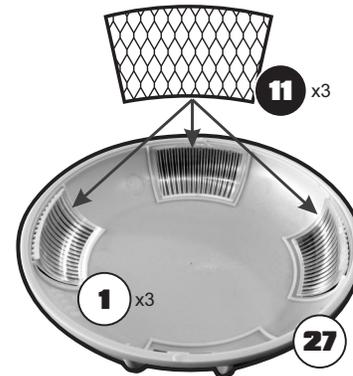
Photoetched part:

1

Torso Grills

Kit Assembly Step 3

These three photoetched parts (11) are direct replacements for the ones included with the kit.

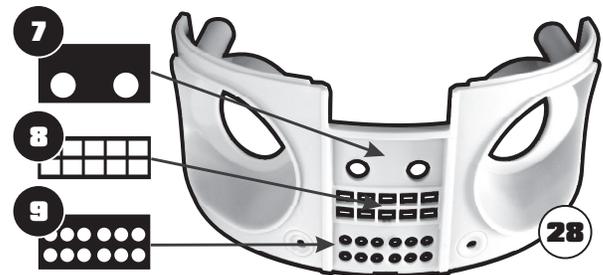


Torso Controls

Kit Assembly Step 3

NOTE: If you are not planning to add lighting to your Robot kit, you can omit this step. These three photoetch parts are included to help stop light from leaking about the front control panel pieces.

You may find it easier to anneal these pieces prior to attaching them so that they won't have any tendency to spring back straight. Rolling them slightly (say on the handle of an Xacto knife) to pre-curve them will help ensure that they stay on properly.



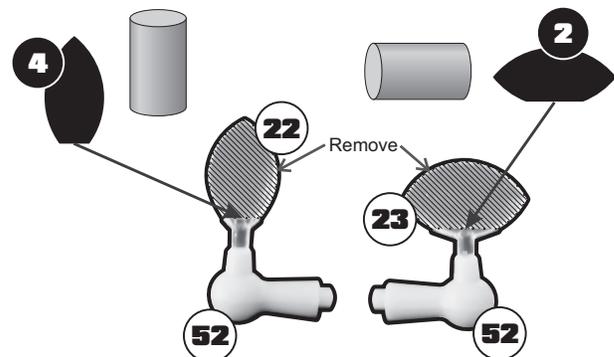
Ears

Kit Assembly Step 2

Mount the kit ears (parts 22 & 23) to the ear supports as shown in the kit instructions. Using a razor saw, remove the upper portion of each ear right at the lower raised portion.

Form each ear (etch parts 2 and 4) on a piece of 3/8" (0.375", 9.5mm) rod, with the axis of the rod running parallel to the long direction of the ears.

Attach each ear in place of the plastic portion and mount to the neck normally.



Brain Box

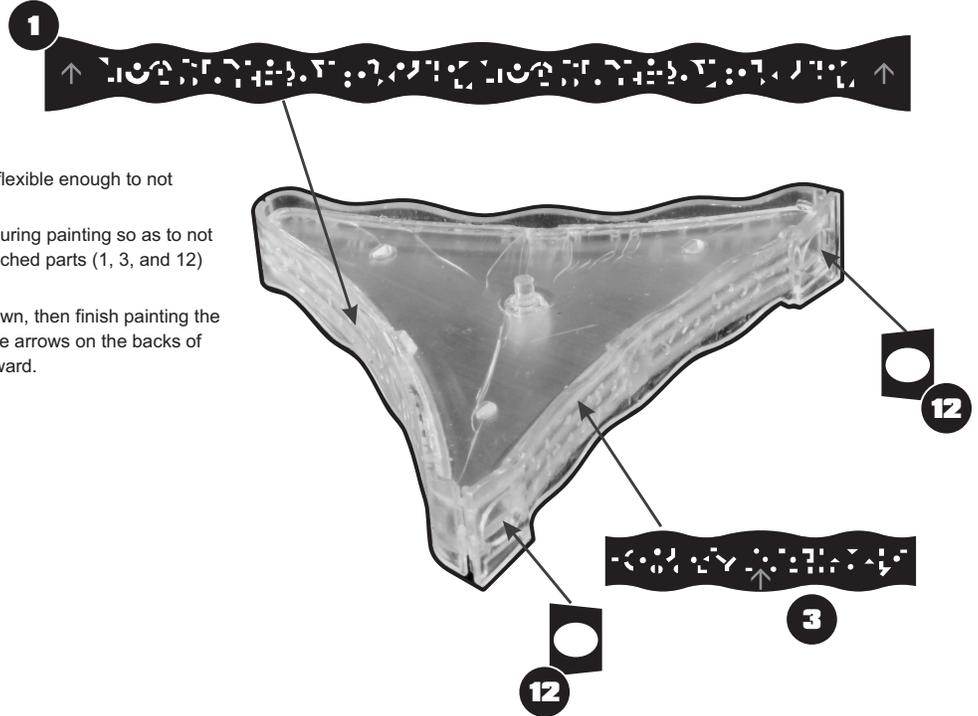
Kit Installation Step 1

Assemble the brain as outlined in steps 1A and 1B, but leave out the eyes, kit parts 4. This will also be the time to install any lighting you may want to do.

Anneal etch parts 1 and 3 so that they will be flexible enough to not spring back after attached.

TIP: To avoid having to be especially careful during painting so as to not fill in the through holes, paint all of the photoetched parts (1, 3, and 12) and allow to dry fully before attaching.

Attach the PE parts to the kit assembly as shown, then finish painting the rest of the brain box. Note the orientation of the arrows on the backs of etch parts 1 and 3 – they should be facing upward.



Crown

Kit Installation Step 1

Fold the individual vanes of etch parts 5 and 6 to 45°, then attach parts 5 to 6 (there are extras of etch part 5). Mount baseplate 10 to the underside of this assembly, making sure that the rivets point away from the assembly.

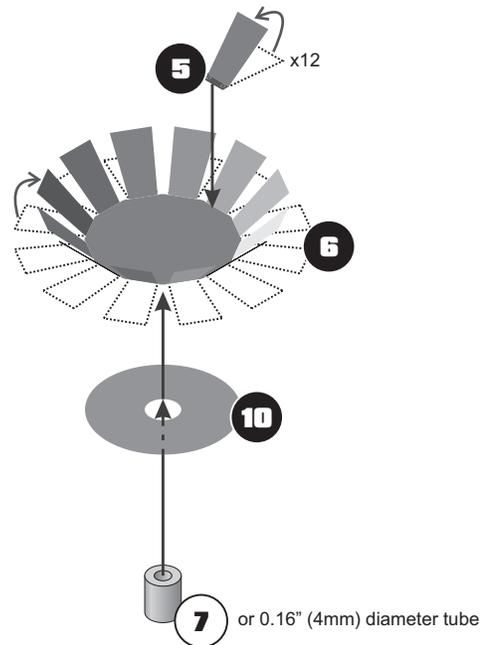
Remove the standoff from it part 7 and mount to the assembly using the hole in etch part 10 as a guide. Alternatively you can use a 0.13 inch (3.4mm) length of 0.16 inch (4mm) diameter tube.

Attach the assembled crown as shown in kit instruction step 1C.

NOTE: Because they are fragile, extra copies of etch parts 5 and 10 are included.

Bonus

"Robot B9" and "Lost in Space" medallions included.



Thank you to Frank Winspur and Dave Metzner of Moebius Models for making such a great kit, providing a pre-release copy of the kit, and for their help and encouragement during the development of this add-on set.

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