

# Robby the Robot

## Photoetch Set

**PGMS**  
**ParaGrafix™**  
**Modeling Systems**

ParaGrafix states that our use of the trademarked terms listed below in our product descriptions constitutes fair use and nominative use and is in no way to offer confusion that ParaGrafix and any of the following noted trademark holders are related companies, nor do we state that we are endorsed by these trademark holders. We are an AFTERMARKET company acting in GOOD FAITH in providing high quality products to loyal customers who have already purchased products related to these trademarks. ParaGrafix is actually providing these trademark holders a venue of free advertising and indirectly provide these trademark holders with more sales leads. Forbidden Planet is a trademark of Turner Entertainment Co. Polar Lights is a registered trademark of Learning Curve Brands, Inc.

## INTRODUCTION

Thank you for purchasing ParaGrafix's photoetch set for the Polar Lights kit of Robby the Robot. This set is intended for modelers with moderate experience. Although no advanced techniques are required to use this upgrade set and is fine for modelers inexperienced with photoetch, it is definitely not for novice modelers. For more information on using photoetch, please see our video instructions at: <http://www.paragrafix.biz/video-instructions-1.asp>.

## 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 an Etchmate 3C from Mission Models.

\* We prefer a #17 Xacto chisel blade.

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

### Key

Kit part (plastic):

1

Photoetched part:

1

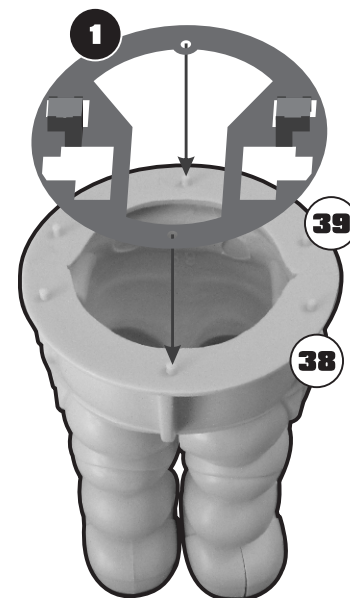
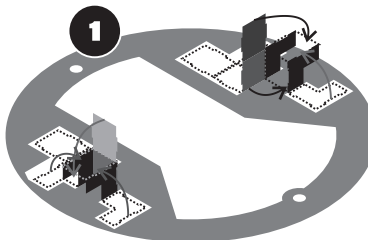
## Leg Bracket

**NOTE:** Photoetch piece 1 also works with the replacement legs available from Johnny Lightning.

Fold photoetch part 1 as shown below. You can make the brackets stronger by gluing some styrene inside of them - but don't let it stick out of the space.

Assemble the legs according to the kit instructions and attach the bracket as shown on right. Notice that the hole with the bump faces forward.

Once the part is in place, cut the locator pins flush.

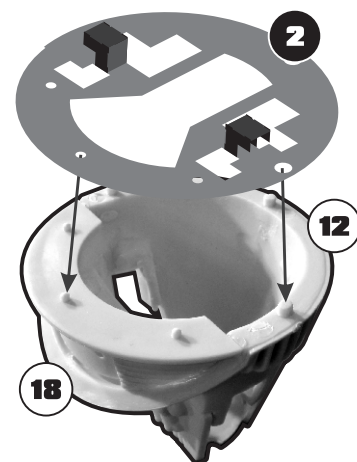
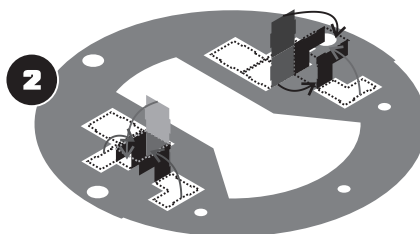
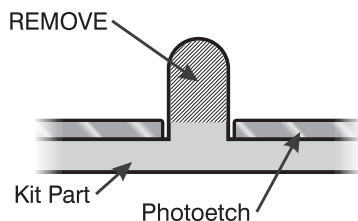


## Head Bracket

**NOTE:** If you are going to use the Voice Box update (etch part 11 or 12), make that modification before adding the head bracket.

Fold photoetch part 2 as shown below. You can make the brackets stronger by gluing some styrene inside of them - but don't let it stick out of the space.

Assemble the head according to the kit instructions and attach the bracket as shown on right. Once the part is in place, cut the locator pins flush.



## Head Items

### Gyro Stabilizers x 3

Assemble the 4 parts of the gyro as shown below (note that all are labeled as etch part 5). These replace kit parts 3.

Combine the two full-circle pieces first, then add the two half circle pieces, noting the locations of the keys in the two smaller parts.



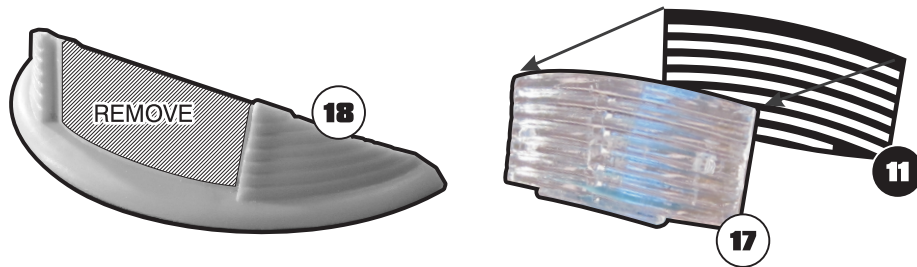
### Voice Box

Note that you do not need to add the voice box pieces (11 or 12) if you are not planning to light your Robby.

#### Option 1: Direct kit upgrade.

Remove most of the voice box from kit part 18 as shown below. Leave a small lip to adhere the voice box.

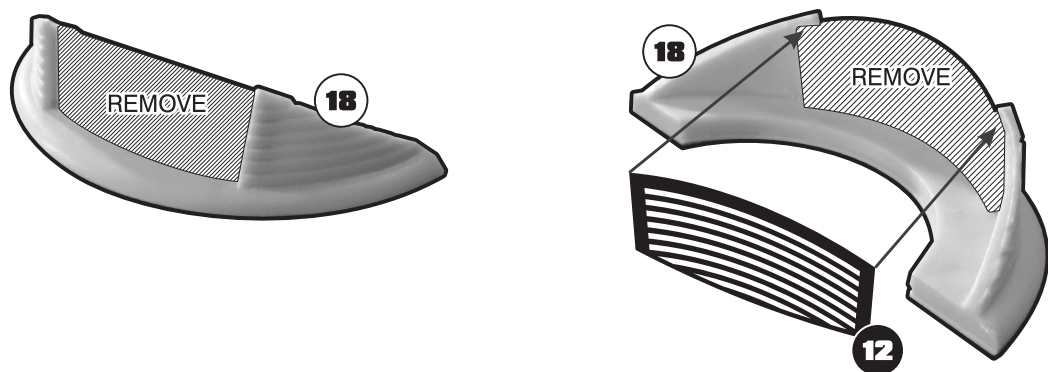
Sand the back of part 17 smooth (and polish as necessary). Paint voice box (11) black, then to the back of kit part 17 and install normally.



#### Option 2: Accurate recessed voice box.

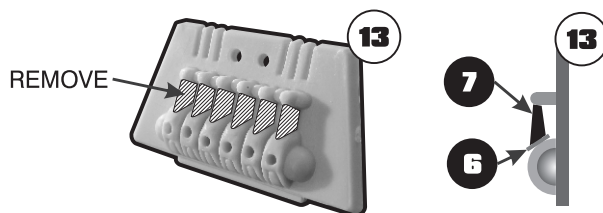
Remove the voice box from kit part 18 as shown below. Be sure to also remove the extended back panel as shown.

Attach etch part 12 (smoothly bending to shape). To create the lighted tubes, use Micro Kristal Klear or similar product. (Add after painting.)



### "Saxophone" Valves

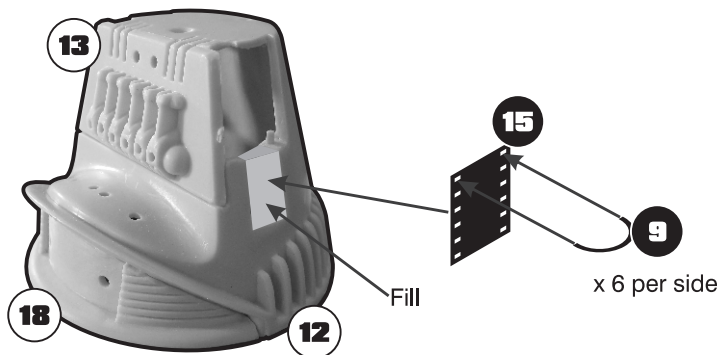
Remove existing valves from kit part 13 as shown below. Combine etch parts 6 and 7 and replace the removed details. (Parts 6 & 7 are very small, so extras have been provided.) **TIP:** If you want to display some of the valves open, snip the upper portion of part 7 to adjust the angle.



## Transducer Fins x 2

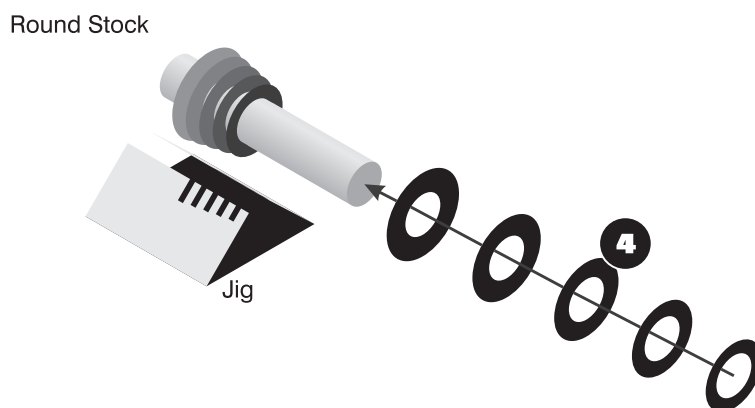
Fill and smooth both transducer fin openings - you may find it easier to cut off the existing fins from kit parts 10 and 11, then glue them in place. Attach etch parts 15 to both sides (yes, they're supposed to be raised) and fit ring halves 9 into each pair of holes.

**Überdetailing:** For added accuracy, replace ring halves 9 with lengths of clear rod (fiber optic or stretched clear sprue).



## Weapons Neutralizers x 4

Replace kit parts 5 with etch parts 4 and 1/16" round stock. Assemble as shown by sliding the rings (4) onto the stock. Use the jigs to set the proper spacing between the rings. Allow approximately 1/16" to extend beyond the end of the largest ring.

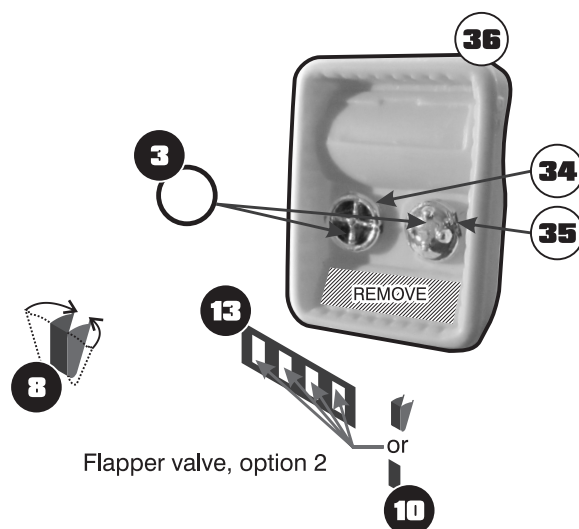
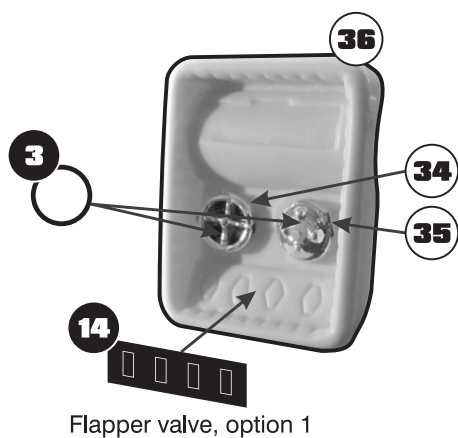


## Chest Plate

Add analyzer bezels (etch parts 3) around the two chromed pieces on the chest plate (kit parts 34 and 35).

**Flapper Valve Option 1:** Simply add etch part 14 over the existing valve location to correct the shape of the openings.

**Flapper Valve Option 2:** Remove material from the chest plate behind each valve you want to be open. Fold individual valves (etch parts 8) and install into piece 13 from behind. Note the stops to position the valves in the fully open position. For closed valves, either use etch part 8 or the alternative part 10.



## Rotating Torso

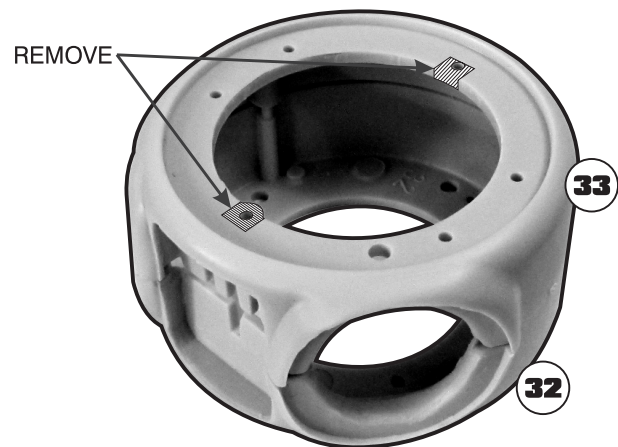
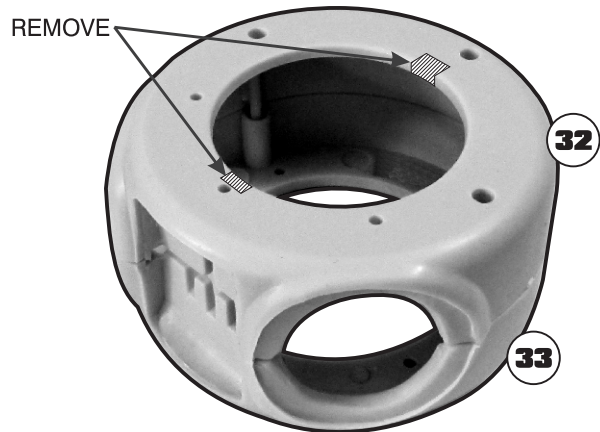
### Modify the Torso

Use the templates below (feel free to photocopy them) to mark out the notches shown to the right. Remove the material as shown. Note that you don't have to be perfect about this - the notches can be larger, but they need to be lined up properly.

### Mount the Head and Legs

Take the head and legs assembled on the first page of the instructions and line up the tabs with the notches you have just made. Insert the head and legs and rotate to lock on the body. You can set the angle of torso, head, and legs to whatever you would like.

**NOTE:** If you're lighting Robby, this latch mechanism makes it easy to access and repair/replace components, including batteries.



## Templates

