

## Miata Rear Wing Part No. 57101

### Installation Instructions

#### **Important Notice**

Your Racing Beat fiberglass component will require final sanding and possibly the application of a small amount of plastic filler to fully surface-finish the piece prior to painting. Always check product for fitment on the vehicle before painting, drilling or cutting. Improper installation may void your warranty. Parts which have been modified, prepped or painted cannot be returned.

**Before you start the installation process, please read through the following steps thoroughly:**

#### **Fitting and Painting Preparation**

1. Thoroughly clean the rear deck of your Miata, removing any grime or dust that might scratch your car's finish during the fitting process.
2. Find the template sheet included with your wing kit. Using scissors, cut the (2) two template patterns from the sheet. Temporarily set these aside.
3. If installed, remove the (4) four bolts attached to the wing. Temporarily set the wing into position on the rear deck. Align the wing from side-to-side, noting its position relative to the seams of the trunk lid. Now, shift both ends of the wing fore and aft until the wing reaches a position wherein the gap between the mounting bases of the wing and the deck lid is both uniform and at a minimum.
4. Remove the wing from this position and invert it. Open the trunk lid and note the position where the mounting holes will be drilled. The area is a section of the trunk where the edge seam has been crimped together.
5. Retrieve the (2) two template patterns and position one of these over each end of the wing. As you do so, apply a small piece of tape to the tabs extending from the templates and secure them to the wing.
6. Locate the attachment holes, now hidden by the paper template pattern, on the underside of each end of the wing - these are the (4) four large holes with the recessed threaded insert, (2) two holes per each side.
7. Using your finger, gently dimple the paper above these (4) four holes. Now, punch a small hole in the center of each of these dimples.
8. Repeat the positioning of the wing as outlined in Step (3). When you are satisfied with the wing's final position, tape the entire wing into position, securing it firmly.
9. Carefully pull the tape from one of the tabs you previously taped to the wing and re-tape this tab to the deck lid. Repeat this process with the seven remaining tabs, exercising caution to not shift the wing's position.
10. Using a center punch, lightly punch the deck lid through the small holes you previously made in the template patterns. Drill through these "punch positions" using a 3/32" x 4" long drill bit. Remove the drill guides and carefully enlarge the four holes to 1/4". Deburr these drilled holes.
11. Your wing will require a final sanding, and possibly the application of a small amount of plastic filler to fully surface-finish the piece prior to painting. When you have performed these steps to your satisfaction to the wing is ready for painting.

**Note:** Do not fill in the two (2) large “breather” holes on the bottom of the wing. These holes allow expanding gases to escape during hot weather. During the preparation process, do not blow air into these holes as this may damage the part.

**Final Installation**

12. After the paint is thoroughly dry, invert the wing and set it on a soft cloth to protect the painted finish. Press the supplied six (6) rubber feet into the six (6) small holes on the underside of the wing. 3M weather strip adhesive (black) is recommended for securing the feet in place.

13. Using the double-sided tape also provided, trim two (2) pieces to fit onto the base of each of the two (2) inner wing support legs. Using a sharp blade, trim off the excess tape after it is installed on the wing - BUT BEFORE IT IS SECURED TO THE DECK LID!

After you have satisfactorily trimmed the tape, remove the backing film. Apply the remaining length of double-sided tape onto the outer ends of the wing in the area under the attachment holes. Be careful to avoid having the tape cover over what will be the seam area between the trunk lid and the side panels. This tape is very aggressive, you do not need to cover ALL the area under the attachment holes.

14. While holding the wing slightly away from the now-open trunk lid, start two (2) attachment bolts and washers on one end of the wing. Guide the other end of the wing down onto the trunk lid utilizing the two (2) remaining attachment bolts. At this point, the double-sided tape will be in contact with the trunk lid. Tighten all four (4) attachment bolts securely and uniformly. The installation is now complete.

**Note:** Do not fill in the (2) two large “breather” holes on the bottom of the wing. These holes allow expanding gases to escape during hot weather. During the preparation process, do not blow air into these holes as this may damage the part.

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