

# Flyin' Miata

## NB lightweight hitch installation instructions 29-51000

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Congratulations on purchasing our lightweight hitch setup! These instructions will tell you how to install it on your 1999 - 05 Miata. 1990 - 97 Miatas are not covered, they have separate instructions.

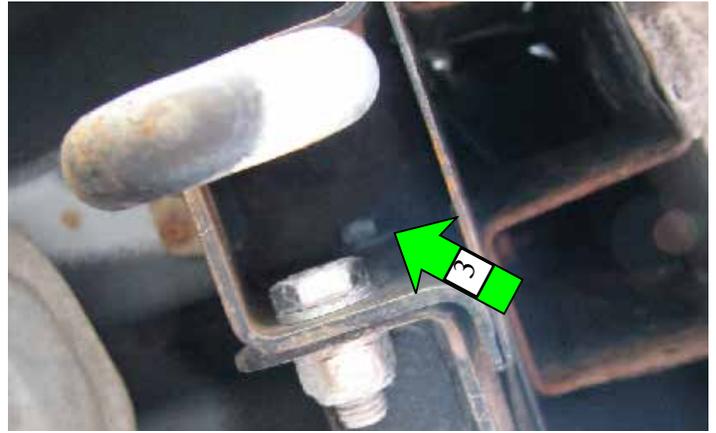
1. You need to get the rear of the car off the ground. Ramps will work fine for this job.

2. You need to drill four holes (1) in order to mount the hitch, so first press the hitch into place, as shown. Push it rearward until it stops, and up as far as possible. It will sit close to the lip (2), but not completely flush with it. This will show where you need to drill the holes. Clamp it in place if need be to ensure it doesn't slip. (Un-powdercoated prototype shown.)

3. Carefully mark and center-punch the center of the holes. Remove the hitch and drill the holes (only one side of the channel, see step 3) with a 15/32" drill bit. It's a good idea to drill a smaller hole first. Once the holes have been drilled, paint over the bare metal to ensure that nothing can rust.



3. Press the hitch back into place. Slip all of the bolts through the holes before you tighten any of them. Use the “nutplates” for the upper bolts on both sides (3). Once all of the bolts are in place with nuts, tighten them all. Be sure to use a washer under the bolt head and the lower nut. The upper nut with the nutplate needs one under the bolt head but not under the nut.



6. Slip the attachment into the hitch. You may need to remove the sticker from the pin for proper fit. If you're using the receiver attachment, follow the next step. Otherwise, you're done. Go tow something!



**Receiver Hitch Attachment only:** There is an additional hole at the top of the hitch (4) to eliminate the typical hitch wobble. You'll run the included bolt through the hole and tighten it down. You don't *have* to use this, but it is suggested. That's it, you're done. Now go tow something!



Wiring for trailer lighting is as follows:  
Left turn: green with black stripe  
Right turn: green with white stripe  
Taillights: red with black stripe (both sides)  
Brake lights: green (both sides)