

# Flyin' Miata

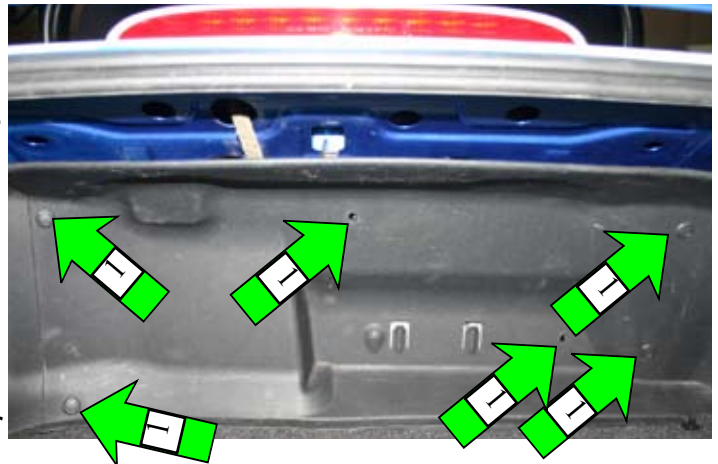
## FM Lightweight Hitch installation instructions 2006 - 2012 (NC / Third Gen)

Flyin' Miata  
499 35 Rd, Palisade, CO 81526  
tech line: 970.464.5600  
www.flyinmiata.com

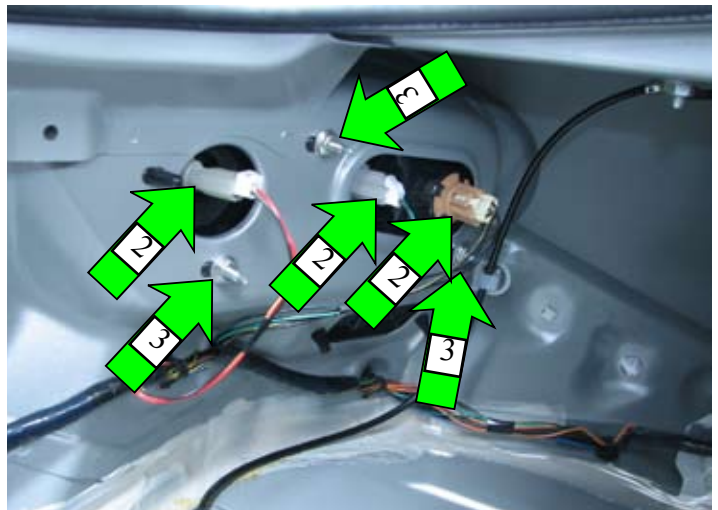
Ver 1.1

Congratulations on purchasing our lightweight hitch setup! These instructions will tell you how to install it on your 2006 - 2012 Miata. Other years are not covered, they have separate instructions.

1. It will be more comfortable to work with the rear of the car off the ground, but it's not necessary. Ramps will work fine for this job. Also, be aware that you will need a large Torx driver to remove the bumper.

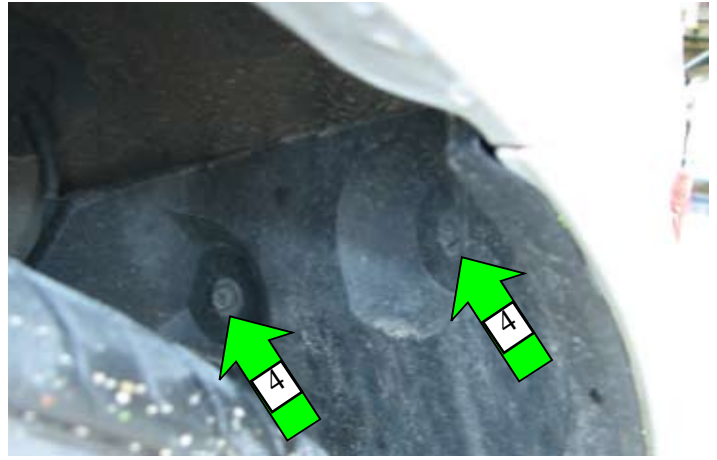


2. First, you need to remove the plastic panels in the trunk. Start with the forward center panel, then remove the rear center panel, then remove the side panels. In order to remove the plastic fasteners (1), gently pull the center out first. Once the center has been pulled out about a 1/4", pull the entire piece out. It's important to note that the center shouldn't be pulled completely out of the fastener. You'll need to search around for all of the fasteners, but once they're removed the panels should come out easily. Be careful as you remove the center panel, you'll probably need to detach a couple more pieces.



3) Disconnect (2) and unbolt (3) both of the tail lights. Remove them.

4) Remove the rear inner fender liners by first removing the two bolts (4). Then remove the one screw on the forward edge of the bottom of the bumper. Follow the liner down to find it. You should then be able to pull the liner forward and off of the car.



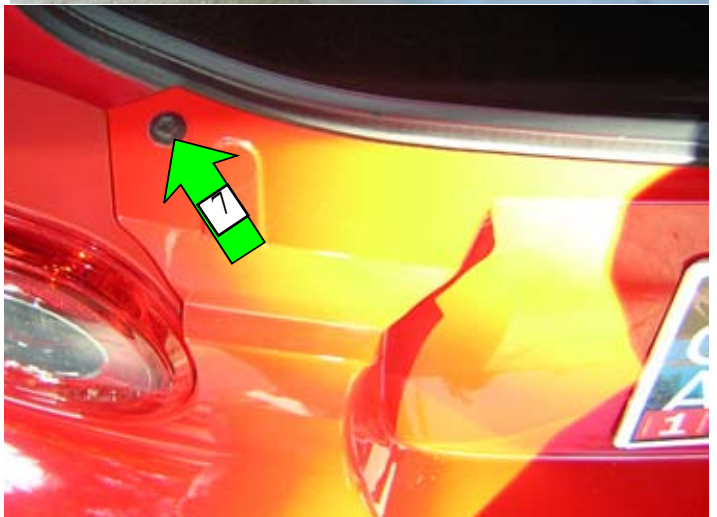
5) Remove the two T27 Torx screws holding the bumper underneath the license plate frame (5).



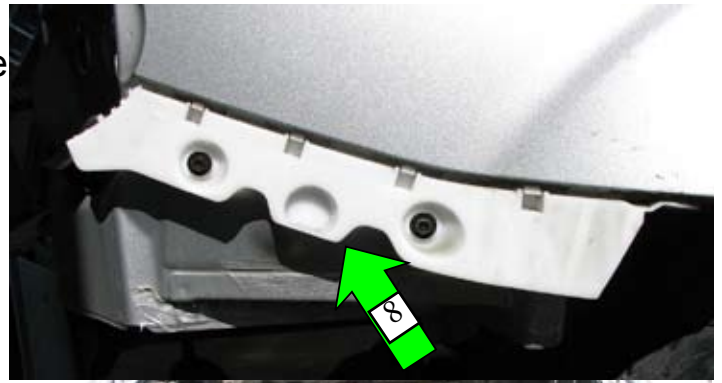
6) Pop out the plastic fasteners that were underneath the tail lights (6), just like you did in the trunk.



7) Remove the two screws (one on each side) at the top of the bumper (7).



8) Flex the bumper outwards to pull it off of the brackets (8), then pull the bumper off the car. This may require a tug to break it free from the bracket.



9) Remove the six nuts (three per side) that hold the metal bumper to the body (9). Be careful pulling the last one, to ensure that you don't drop the bumper. Set the bumper aside.



10) Place the hitch on the studs (10). Be sure that the receiver is pointed down (the hole for the pin should be on the bottom side, not the top). If in doubt, be sure that you can properly secure whichever attachment you got (ball or receiver).



11) Assembly is the opposite of disassembly. Be sure to follow the order of operations, e.g., if you install the tail lights before the bumper, you won't be able to install the bumper.

12) Go tow something!

Wiring for trailer lighting is as follows:

Left turn: green with black stripe

Right turn: green with white stripe

Taillights: black with green stripe (both sides)

Brake lights: black with yellow stripe (both sides)

