

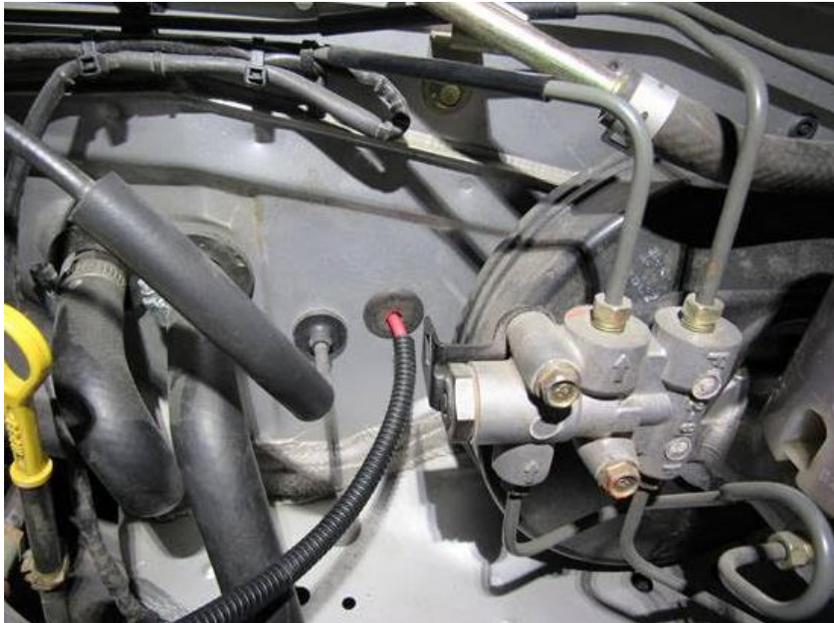
## NA/NB Miata Electric Power Steering Kit Installation Guide

These instructions assume that one already has a basic mechanical understanding of the steering column assembly in an NA and/or NB Miata and knows how to remove the column, including the combination switch assembly, covers and air bag.



The picture above shows exactly what is included and how the entire Miata EPS System will arrive.

This kit is designed to use the main positive terminal post on the Alternator for the main power (not the battery).



Step 1 - Picture above is a good spot to push the main power wire through the firewall. If you decide to use that spot, after you get the wire through the firewall run the wire along the firewall and by the passenger side intake manifold mount/motor mount area (following the path of the main alternator wire) and bolt on to the alternator. The rest of the wire just sits until the column is installed.

Step 2 - Mount the above firewall mount. Attach the ground (black) wire from the power harness to the left side bolt. Do not tighten down all the way.

The above picture shows the ground wire attached.



Step 3 – Loosen the set screws on the lower (short) steering shaft. Insert the lower steering shaft through the firewall mount. Insert the shaft into the u-joint. Put the bolt through the u-joint. The above picture show it assembled.



Step 4 - Connect the Power Steering assembly to the upper column assembly. The Electric motor will be facing to the right. Attach the ECU mount on the bottom bolt. See above picture except Do not install the ECU. This will be done later.

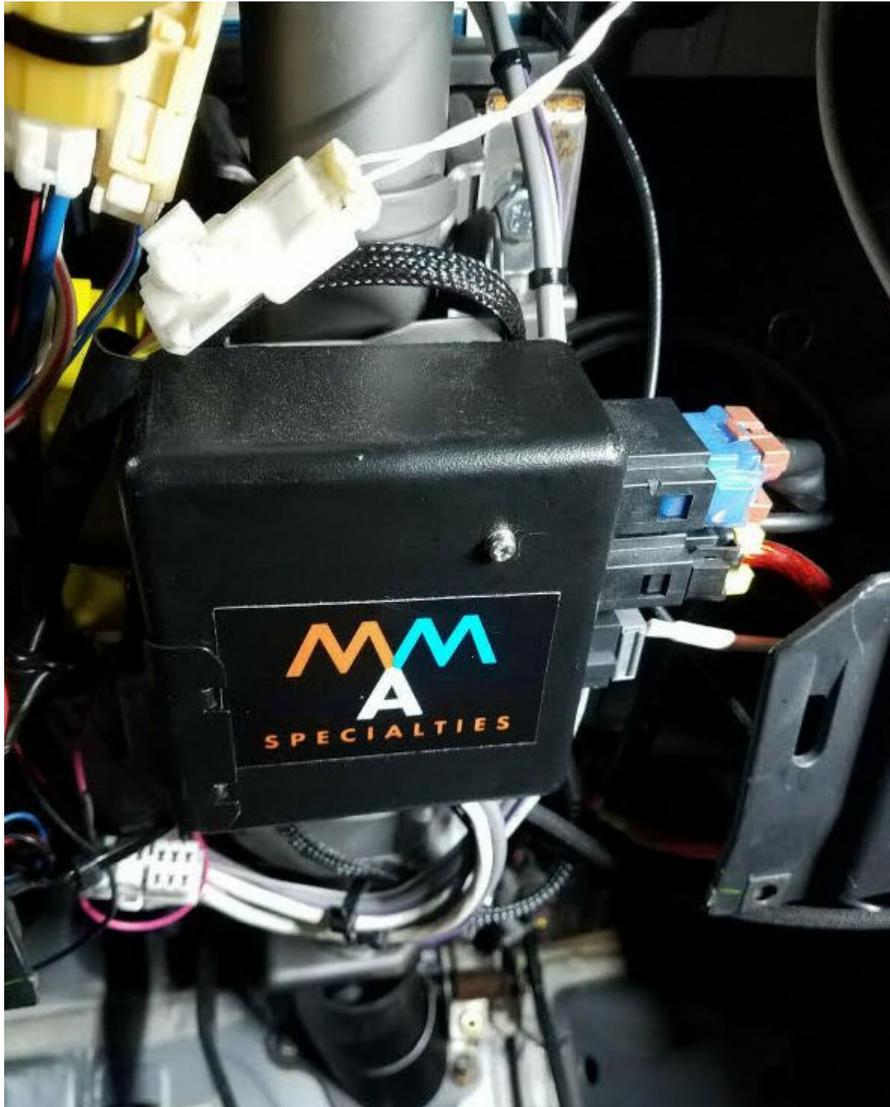


Step 5 - Before you mount the rest of the column assembly and motor, you will need to make room for it. There is a group of relays mounted on a small plate with 1 bolt hold it in place. Remove the nut and detach the plate from the bolt. Zip tie the out of the way towards the firewall or in whichever direction it needs to go to make room for the rest of the column. See the above picture for a general idea.

Step 6 - Mount the column under the dash. Insert the output shaft of the power steering assembly to the lower steering shaft. Raise the column up to the dash and put the 2 mounting bolts back in like it was originally installed. Don't tighten down until the lower shafts are connected.

Step 7 - Tighten down the firewall bracket. Tighten down the set screws on the lower steering shaft (Suggest Using a dab of Blue Loctite On each Set Screw). Tighten down all associated column bolts and double check everything to make sure everything is tight.

Step 8 - Mount the ECU onto the ECU bracket like previous picture.



Step 9 - Connect the 3 plugs to the ECU. See above. Power in the middle, electric motor on the left end and the controller plug on the right.

Step 10 - Connect the Adjustment Knob controller power and ground to the fuse box. (No picture show). Select a fuse to pull out that is controlled by accessory on. Insert the pulled fuse to the fuse tap attached to the controller. Connect the ground to the fuse box mount. Mount the Knob Anywhere you like.

Step 11 - Reattach the removed covers, steering wheel and airbag.