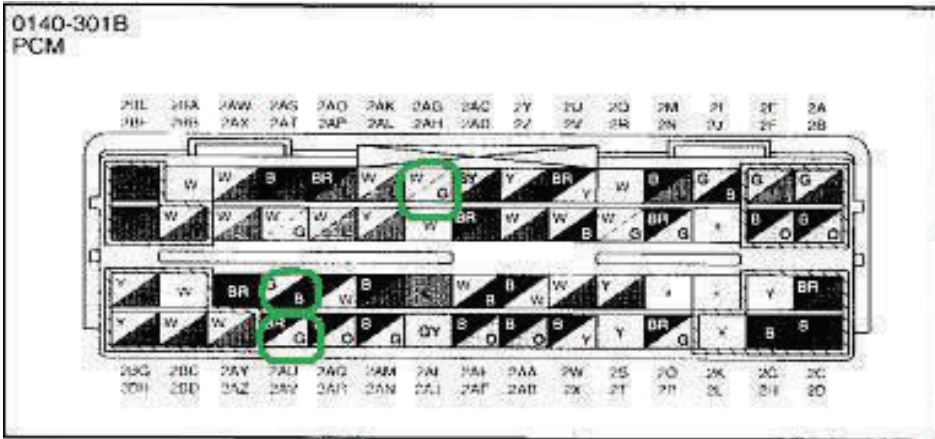


## Mazda Speed 3 Install manual.

(Not liable for errors in installation. If unsure at any time consult a Professional)

Start by taking the battery lid as well as the ECU cover off and locate the wires according to this diagram.



The connector you want to look at is the one on the left and there are 4 rows looking at it from the angle of the picture starting from the Top to Bottom:



The Wires/Connections you're looking for are;

Connector 2AG white/green wire is the signal - Top Row 7 Pins from left  
Connector 2AU green/black wire is the 5v source - 3rd Row 4th Pin from Left  
Connector 2AV brown/green wire is the ground - 4th Row 4th Pin from Left

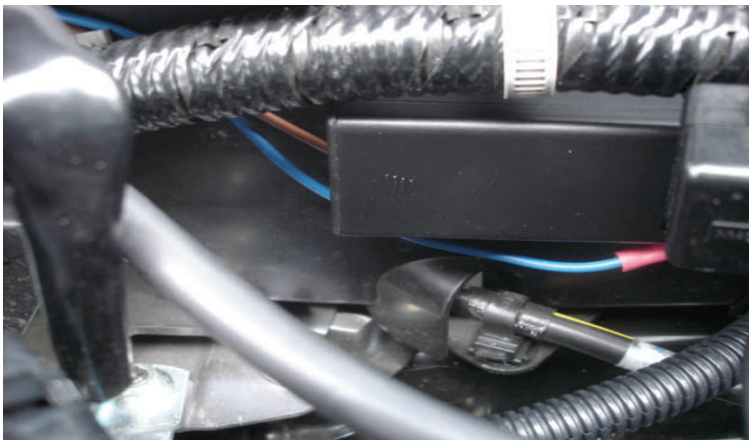
Once the wires are located, you will want to shave a little area on them so you can solder in the connection from the Map Clamp....>DON'T cut any wires, just strip off some of the shielding. Now on the King Clamp, Red Wire is the 5v, Black for Ground and Green for Signal. Here is another Angle



And here is the finished product. I used some wire tubing I had laying around to run the wires through and mounted the Map Clamp to the side of the Battery Box (where everything is as you can see).



Map Clamp



Ok now how do you tune the King Clamp? Well there are 3 ways.

#3 is recommended

1. Use a Dash Hawk or other device that sees what the ECU sees for Boost and set it where you want it boost wise. You can set the Map Clamp all the way to the left and make a run. The ECU read -8 PSI max. I then turned the clamp clockwise till I got the setting I wanted. I set the Map Clamp at 15.08PSI for now which seems to be pretty damn good. I did a few pulls and my MBC was set to 19PSI and I didn't have any issues at all.

2. Connect a long wire to the Signal and one to the Ground wires on the connections before you tape them up and then ghetto run them into the cabin of the car. This way you can have a buddy with you while you're making runs and they can monitor the Voltage using a Voltage Meter. Do a run, see what the voltage is and adjust as needed. The common settings are between 3.5 and 4.0.

3.\*\*Recommended\*\* You can go to a Dyno Shop, plug it in to the signal and ground to monitor voltage while doing dyno pulls and see HP increases as well as making sure you AFR's Stay good

This Manual was made for the installation of a King Clamp onto a Mazda Speed 3.

All materials are property of Kingclamp and [www.kingclamp.com](http://www.kingclamp.com)...

Don't have one? Order yours today at [www.kingclamp.com](http://www.kingclamp.com)

Questions or comments.. Send to [dking@kingclamp.com](mailto:dking@kingclamp.com)