Xenocron D.I.Y. Stock Map Housing

2.5, 3.0 or 4.0 Bar Map Sensor Instructions

These are the items that should be included in your DIY Kit. You should have received either the 2.5, 3.0 or 4.0 Bar Sensor…confirm before you continue.

Included are the Top and Bottom of the casing, 2 rivets, the sensor itself, 3 wires (red, black & green) and the pressure sensor board.

First, start with soldering the sensor to the board. Find the side with "U1" and place the board with the "U1" in the bottom right corner.

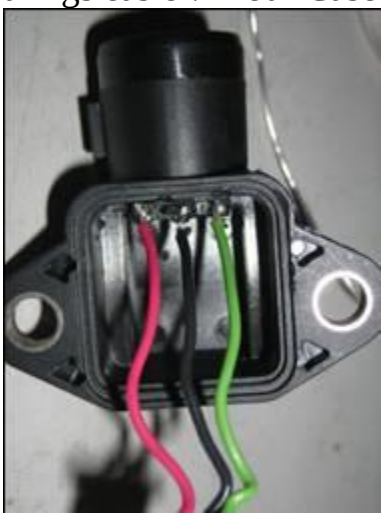
Look at the writing on the map sensor itself and make sure it reads correctly (not upside down) and place it on the board in that direction.

- 2.5 Bar should read MPXH6250
- 3.0 Bar should read MPXH6300
- 4.0 Bar should read MPXH6400

Solder all 8 points with the sensor and the board. Make sure NOT to overheat the sensor by leaving the iron on the spot for two long. Let the board cool in between each spot you solder to make sure you don't overheat.

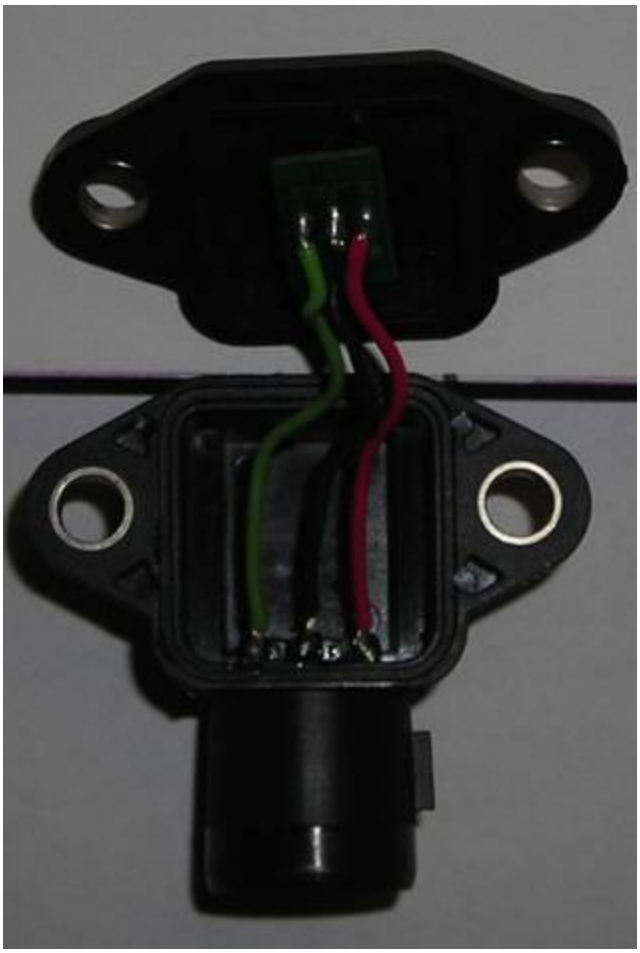
Next, take top of the sensor case and look inside. With the plug end facing up, there are three spots inside the case where you will solder the wires. They should

be put in the case in the following order from left to right, Red (5v), Black (ground), Green (Signal). Strip & Tin the ends of wire with some solder and tin the pins inside the case with some solder before attaching them together to make things easier. Your Case should look like the following picture:



Next solder the 3 wires to the map sensor board. On the back of the board, you should see the number "340166" and if you have the board facing you so that number reads correctly, the wire color order to solder to the board from left to right should be Red (5v), Black (ground) and Green (signal). It should look like the following picture:

Next take a 3/32" Drill bit and slightly enlarge the hole for the sensor in the bottom case piece. This will allow the sensor nipple to snuggly fit in the bottom case piece. Do not drill to big…just enough for the sensor to fit in the hole securely. Fit the sensor in the bottom piece, it should look like this:



Next, fill the insides with your sealant of choice. Silcone, epoxy…whatever secures everything nicely. I like a rubbery material instead of a solid drying medium.

Immediately close the two pieces together and clamp them with something to hold them together. Let it cure.

). Finish off the install by using the rivets and riveting the case halves together.

.. Install the sensor on your throttle body in the stock location (make sure you have a good o-ring) and plug in the stock connector.

!. Tune and Enjoy!