

Performance Installs

27W-6-888-12 MAP Sensor

Installation Instructions for the 27WON Performance 4 bar MAP Sensor Set 2016+ Civic Base & SI Models

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INTRODUCTION

In this installation guide we have provided step by step instructions to install the 27WON Performance 4 bar MAP Sensor

Advisory:

- The engine bay will be hot after recent vehicle operation. Allow the vehicle to cool or use a fan to cool the engine bay before working on the vehicle.



TOOLS:

- [3/8" Ratchet](#) (1)
- [8mm Socket](#) (1)
- [3/8" Extention](#) (1)



PARTS:

- [MAP Sensor](#) (2)

Step 1 — Getting Started



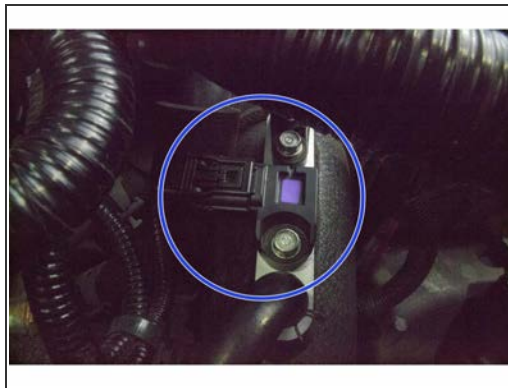
- First and foremost; **THANK YOU** for becoming a part of the 27WON Family. We hope to **REDEFINE** your experience of the aftermarket with the highest level Parts, Customer Service, Packaging, & Support
- ⓘ These instructions were written with a 2018 Honda Civic SI. Other models will be similar
- ⚠ Configuring the software on your tuner and reflashing it will be required after installing this part. The car should not be driven until the new flash is applied
- ⚠ Please note some CVT's might not have 4 bar map sensor support

Step 2 — Vehicle Specific Instructions



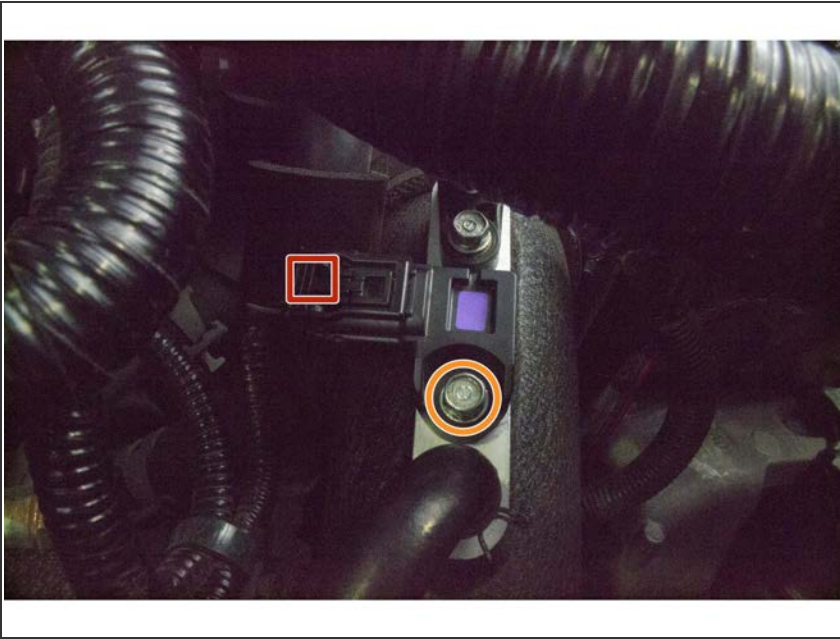
- These instructions are specifically made for the 2016+ Honda Civic SI which requires two MAP Sensors
 - If you are installing your MAP Sensors into a different vehicle then you can follow our general MAP Sensor install instructions here: [27W-6-888-11 MAP Sensor Generic Install Instructions](#)
- ⓘ Please note that the test vehicle is using aftermarket Intercooler pipes

Step 3 — Locate the MAP Sensors



- The red arrows shows where the two (2) MAP Sensors are located in the engine bay
- The blue circle shows the OEM MAP Sensor located on the cold side charge pipe
- The green circle shows the OEM MAP Sensor located on the intake manifold at the rear of the engine

Step 4 — Remove the OEM MAP Sensor from the Charge Pipe



- Squeeze the tab shown by the red square and gently unplug the wire harness from the MAP sensor
- Remove the bolt circled in orange with a 8mm socket, extension and ratchet
- Pull the MAP Sensor straight out of the charge pipe

Step 5 — Install the 27WON MAP Sensor into the Charge Pipe



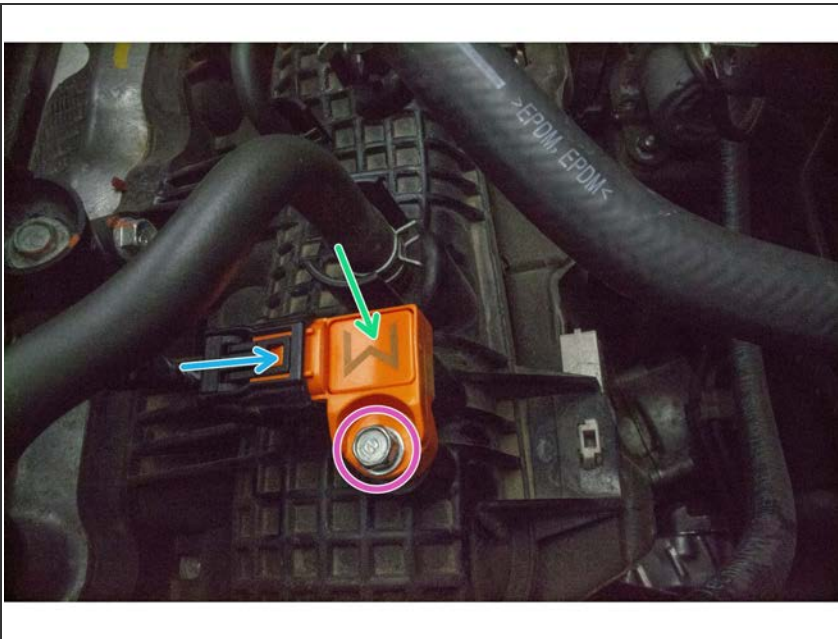
- Insert the MAP Sensor into the charge pipe until it is fully seated
 - ⚠ Make sure not to pinch the O-ring when installing the MAP Sensor
 - ⓘ A small dab of silicone on the oring can be used to aid in install
- Plug the wire into the MAP Sensor until it is fully seated
 - ⓘ You will hear a click when it clips in
- Insert the bolt and tighten until snug with a 8mm socket, extension, and ratchet
 - ⚠ Avoid over tightening the sensor, the bolt will be snug with less than 12 in lbs of torque.

Step 6 — Remove the OEM MAP Sensor from the Intake Manifold



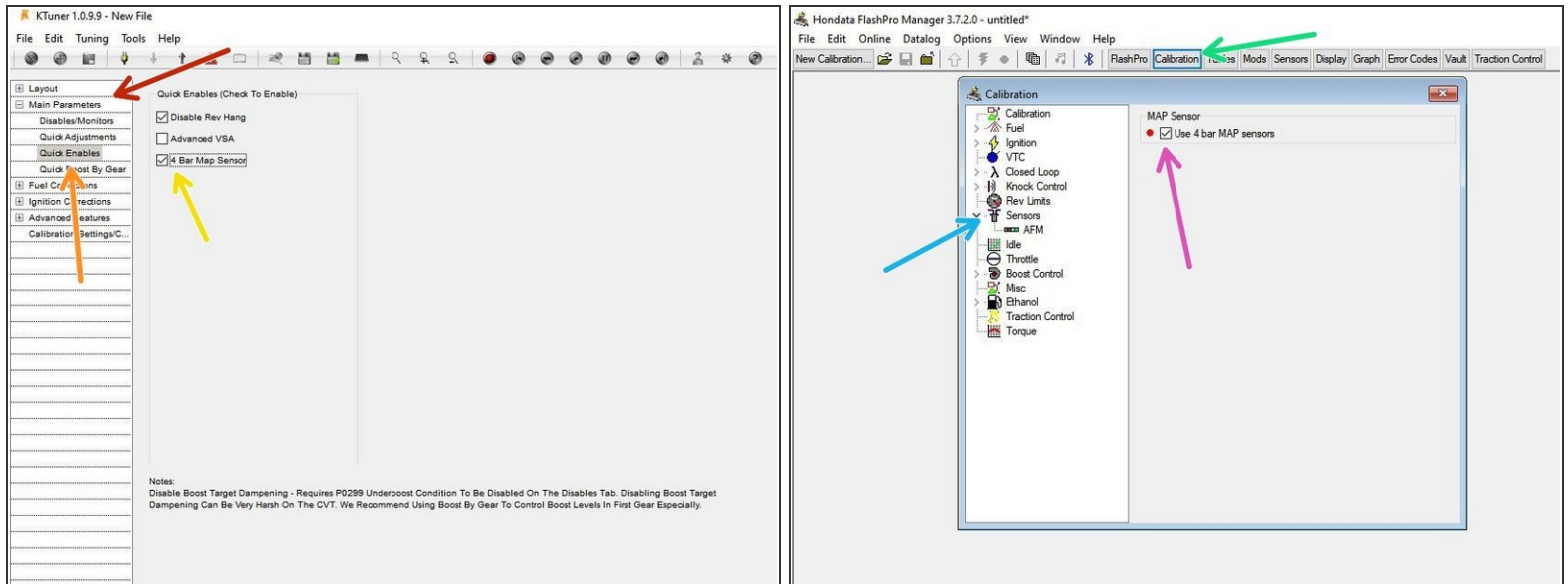
- Squeeze the tab shown by the yellow square and gently unplug the wire harness from the MAP sensor
- Remove the bolt circled in green with a 8mm socket, extension and ratchet
- Pull the MAP Sensor straight out of the intake manifold

Step 7 — Install the 27WON MAP Sensor into the Intake Manifold



- Insert the MAP Sensor into the intake manifold until it is fully seated
- ⚠ Make sure not to pinch the O-ring when installing the MAP Sensor
- ⓘ A small dab of silicone on the oring can be used to aid in install
- Plug the wire into the MAP Sensor until it is fully seated
- ⓘ You will hear a click when it clips in
- Insert the bolt and tighten until snug with a 8mm socket, extension, and ratchet
- ⚠ Avoid over tightening the sensor, the bolt will be snug with less than 12 in lbs of torque.

Step 8 — Configure Tuner for 4 Bar MAP Sensors



- Open your Ktuner or Hondata software and open your current tune, from there you will either follow the instructions below for Ktuner or Hondata
- For Ktuner: Click Main Parameters
 - Click Quick Enables
 - Check the 4 Bar Map sensor box and resave your tune
- For Hondata: Click Calibration
 - Click Sensors
 - Check the Use 4 Bar MAP sensors box and resave your tune
- Now that you have resaved your tune, Flash the newly saved tune onto your tuner

Step 9 — I Dare You to REDEFINE



- This completes the installation of your 27WON Performance MAP Sensors. You can now safely measure boost levels above 28+ PSI. Running boost over ~28 psi is typically only done on built engines with the correct supporting mods. Consult your tuner in regards to determining the safe levels of boost for your setup.
- We hope you were impressed with your 27WON experience and love your new MAP Sensors for years to come. Email us at sales@27won.com or call us at 571-271-0271 with any questions or concerns
- Please Leave a review here: <https://store.27won.com/4-bar-map-sensor...>
- Stay Connected with the latest developments with the 27WON Monthly Newsletter: <https://store.27won.com/27won-newsletter...>
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