

# CorkSport Plug-N-Play 3.5 Bar MAP Sensor

MZR DISI Engine found in Mazdaspeed 3 & 6, and CX-7



Introducing the first Plug-N-Play 3.5 Bar MAP sensor designed for the MZR DISI. The custom injection molded body features the OEM style connection for a quick and clean installation; no adapter wiring harness needed! With a maximum accurate pressure reading to 35PSI, the CorkSport 3.5 Bar MAP Sensor will keep you covered from K04 to Big Turbo. Let us know your thoughts about the CorkSport 3.5 Bar MAP Sensor by submitting a review at: <https://corksport.com/mazdaspeed-3.5-bar-map-sensor.html>

## Pre-Installation Notes:



**Tuning calibration is required** to operate the vehicle safely after installation.



**These instructions were written for reference only** and the use of a factory service manual is recommended.



**How our instructions work:** To best cover all of our customers experience levels, we have included a table of contents/order of operations along with step-by-step instructions.



**These in car installation photos were produced using a 2009 Mazdaspeed 3.** 2007-2013 Mazdaspeed 3, 2006-2007 Mazdaspeed 6, and CX-7 will be similar.

## Materials and Time:



### General Info.

Part #: GEN-6-935-01  
Time Est: 30 Minutes  
Wrench Rating: 2/5



### Tooling List

7mm Wrench  
8mm Wrench  
10mm Wrench



### Parts List

One (1) Plug-N-Play 3.5 Bar MAP Sensor  
One (1) M5x0.8x16mm Flange Bolt



# Order of Operations & Table of Contents



## Removal & Installation

Section 1: OEM MAP Sensor Removal

Section 2: CorkSport MAP Sensor Installation

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## Tuning Calibration

Section 3: Input Scalars into Access Tuner Race

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## Detailed Instructions

### 1. OEM MAP Sensor Removal

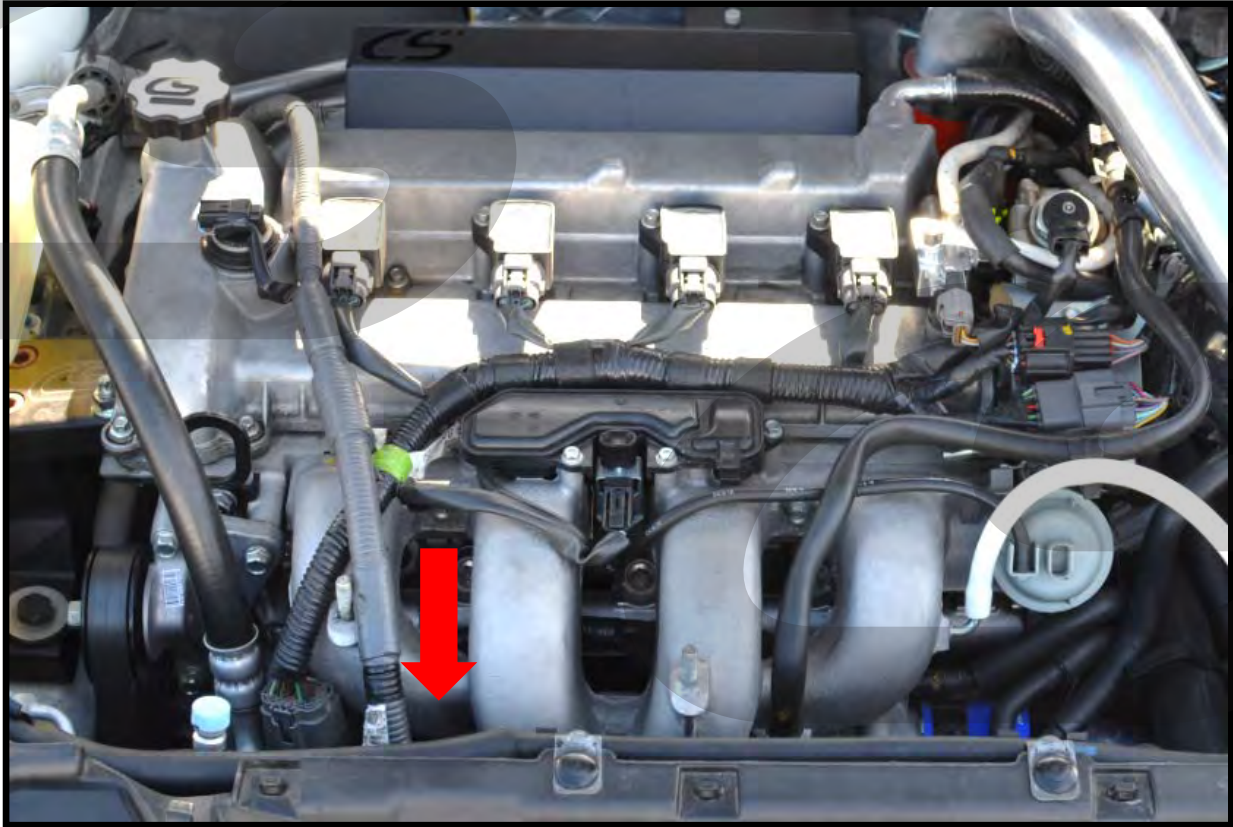


Figure 1a

- a) Disconnect the negative battery terminal with a 10mm wrench.
- a) Locate the MAP sensor in the engine bay. Shown with the red arrow in Figure 1a.
- b) Remove the wiring bracket to gain access to the MAP Sensor. Use an 8mm wrench to remove the two bolts shown with the red circle and arrow in Figure 1b



Figure 1b



## Detailed Instructions

### 1. OEM MAP Sensor Removal (continued)

d) **Disconnect the wiring harness from the OEM MAP sensor.** Press the snap clip (**red dot**) and slide the harness off the sensor in the direction of the **red arrow**. Shown in **Figure 1c**.

e) **Remove the MAP sensor from the intake manifold with a 7mm wrench.** Shown with the **red circle** in **Figure 1c**.



Figure 1c

### 2. CorkSport MAP Sensor Installation

a) **Install the CorkSport MAP sensor into the intake manifold.** Using an 8mm wrench and the supplied M5 bolt, torque to 6 ft-lbs. Shown in **Figure 2a**.

b) **Reconnect the wiring harness to the CorkSport MAP sensor.** Slide the harness onto the sensor in the direction of the **red arrow**. Shown in **Figure 2a**.

c) **Reinstall the wiring bracket and torque the two bolts to 6 ft-lbs.**

d) **Reconnect the negative battery terminal with a 10mm wrench.**

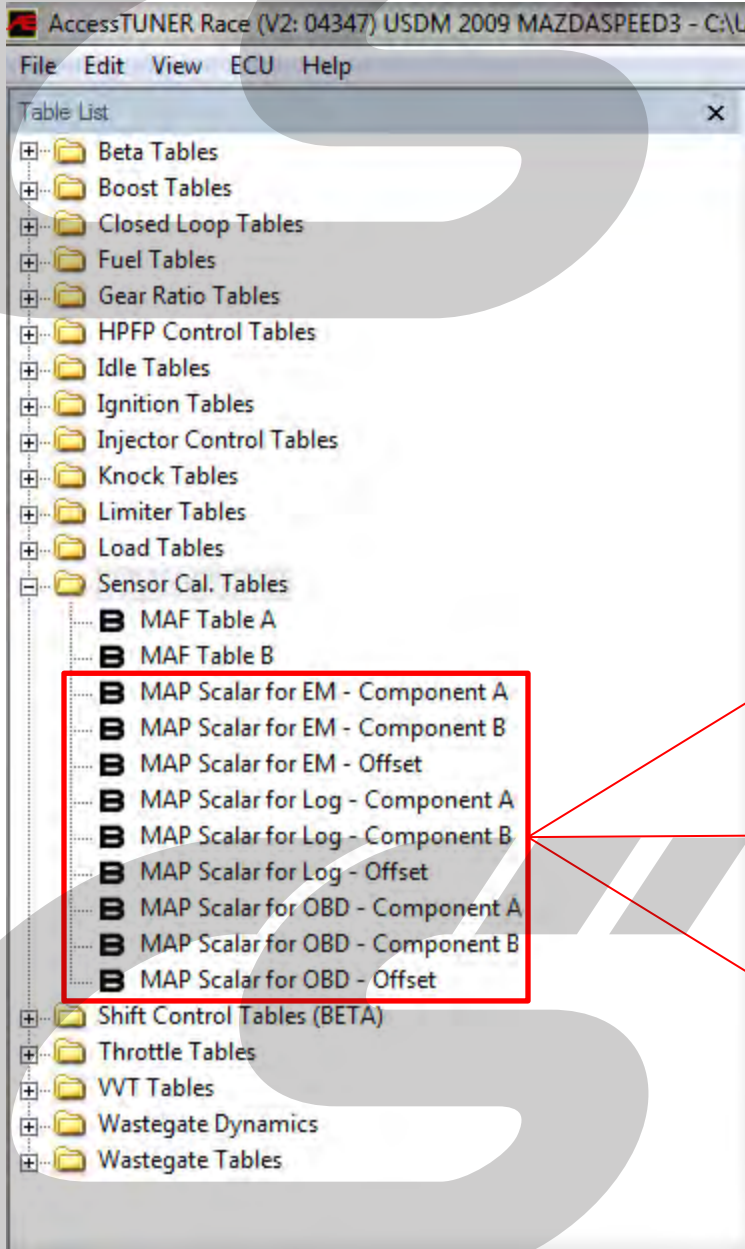


**The CorkSport MAP Sensor and OEM connector are a tight fit.** Press the connector onto the MAP sensor until you hear the click lock.



Figure 2a

3. Input Scalars into Access Tuner Race



- a) Open the AccessTuner Race Software
- b) Open the "Sensor Cal. Tables" as shown in Figure 3a.
- c) Input the scalar values shown in Figure 3b for all tables.
  - a) Component A = See MAP Sensor
  - b) Component B = See MAP Sensor
  - c) Offset = See MAP Sensor

*Sensor Cal. Tables: MAP Scalar for EM - Component A*  
*Scalar (Null)*

*Sensor Cal. Tables: MAP Scalar for EM - Component B*  
*Scalar (Null)*

*Sensor Cal. Tables: MAP Scalar for EM - Offset*  
*Offset (Null)*

- d) Save the updated ECU map and load onto your vehicle.



**This completes the installation of your CorkSport Plug-N-Play 3.5 Bar MAP Sensor. Verify that everything is tight and securely fastened. Now enjoy!**