

# CorkSport Oil Filter Sandwich Plate

## MZR DISI Engine with Gen2 Oil Filter Housing



**Make sensor and gauge installs a breeze with the CorkSport Oil Filter Sandwich Plate.** The oil filter plate features four 1/8-27 NPT ports for oil pressure and oil temperature sensors or any other sensor you may be using. The plate uses the same 3/4-16 UNF threads as the oil filter and housing for a quick and easy installation.

Let us know your thoughts about the CorkSport Oil Filter Sandwich Plate by submitting a review at:

<http://corksport.com/mazdaspeed-oil-temperature-and-pressure-gauge-adapter-plate.html>

### Pre-Installation Notes:



**Installation on 2007-2009 Mazdaspeed 3 & 2006 -2007 Mazdaspeed 6 require the use of the 2010-2013 Mazdaspeed 3 oil filter housing is required.** The housing and gasket can be purchased from you local Mazda dealer. Part #: L311-14-311A & LF02-14-342  
These instructions do not show the housing installation.



**Make sure your vehicle is completely cooled down** prior to starting installation. If you are going to work on your car within an hour or two of having driven it, use a fan to cool off the car.



**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 and 2006 Mazdaspeed 6.** 2007-2013 Mazdaspeed 3 & 2006-2007 Mazdaspeed 6 will be similar.

### Materials and Time:



#### General Info.

Part #: GEN-6-321-11  
Time Est: 2 Hours  
Wrench Rating: 3/5



#### Tooling List

11mm Wrench/3/8" Socket  
26mm Wrench  
Oil Filter Wrench  
Red Locktight  
Oil Drain Pan  
Oil Rags/Paper Towels  
Brake Clean  
Oil Resistant Thread Sealant  
3/8" Torque Wrench



#### Parts List

One (1) Oil Filter Sandwich Plate w/Rubber Seal  
One (1) 3/4-16 UNF Thread Adapter  
Four (4) 1/8-27 NPT Plug

#### Suggested Items (not included) :

Gen2 Oil Filter Housing P#: L311-14-311A  
Oil Filter Housing Gasket P#: LF02-14-342  
Spin On Oil Filter  
1 Quart Engine Oil



## Order of Operations & Table of Contents



### Installation

- Section 1: Oil Filter Sandwich Plate Assembly
- Section 2: Oil Filter Sandwich Plate Installation

Pg. 2

Pg. 3

**1. Oil Filter Sandwich Plate Assembly**

- a) Install the sensors into any of the NPT port that provides proper clearance when installed in the vehicle, shown in **Figure 1a**. Check fitment of plate and sensor in the vehicle before next step.
- b) Torque sensor to manufacturers spec.
- c) Oil pressure and oil temperate sensor shown installed for example in **Figure 1a**.
- d) Plug the remaining open ports with the provided 1/8-27 NPT ports. Use oil resistant thread sealant on the plugs. **Torque the plugs to 7 in-lbs.**



**Figure 1a**

## 2. Oil Filter Sandwich Plate Installation

- a) Remove the oil filter and allow the housing to drain into a pan for a couple minutes.
- b) Clean the oil filter housing with a clean rag and brake clean spray. Shown in **Figure 2a**.
- c) Apply a thin layer of new oil to the rubber seal on the oil filter plate.
- d) Apply red locktight to the threads of the oil filter housing. **Red arrow in Figure 2a**.
- e) Install the oil filter plate with the rubber seal facing up as shown in Figure 2b.
- f) Orientate the sensor into their correct location. Use a 26mm to **torque the thread adapter to 32-37 ft-lbs**.
- g) Reinstall your oil filter or a new filter following manufacturer's instructions.
- h) Start car and check for leaks.
- i) Check oil level and add accordingly.

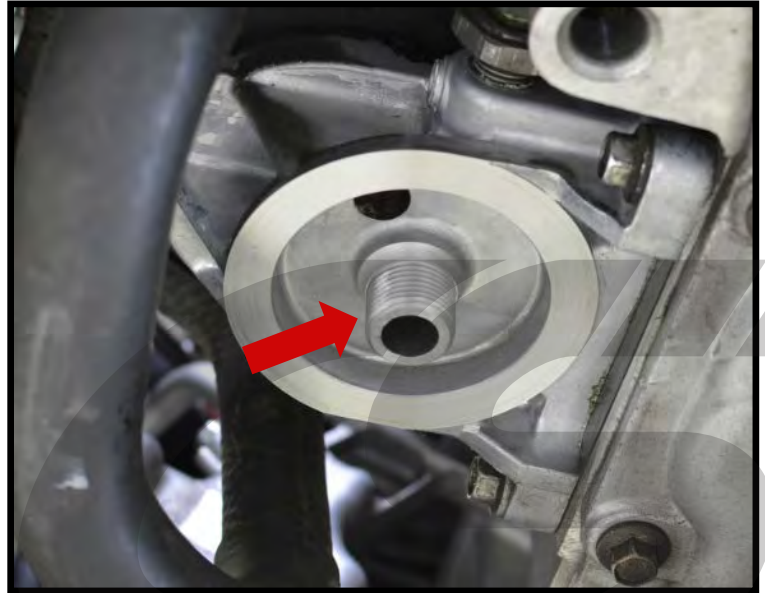


Figure 2a



Figure 2b

## What's Next:



### CORKSPORT Mazdaspeed Boost Control Solenoid

Take control of your boost and performance with the **CorkSport Mazdaspeed Electronic Boost Control Solenoid (EBCS)**. Utilizing the latest technology in solenoid controlled air valves, the CorkSport EBCS outflows and out responds the competition. It builds boost faster and minimizes boost spikes and creep. The CorkSport replacement EBCS features a 3-port design that has the flexibility to control all boost control setups, such as bleed and interrupt for internal wastegates and interrupt or push-pull for external wastegates.



### CORKSPORT 3" Power Series intake System

Dramatically reduce intake restrictions and get an impressive improvement in power throughout the entire RPM range with the **CorkSport Mazdaspeed 3 Power Series 3" Intake System**.

The Power Series 3" Intake System is fabricated with a high polished 3 inch turbo inlet pipe and a true 3" inside diameter MAF housing. The velocity stack design smooth's air flow for maximum performance. If you plan on upgrading or have already upgraded your turbo this upgrade is a must to keep your MAF sensor functioning within its calibrated range.

### CORKSPORT Oil P., Oil T. & Boost P. Gauges

Keep an eye on your engine parameters with the **CorkSport Oil Pressure, Oil Temperature, and Boost Pressure gauges**. The gauges have a 2% accuracy with Peak Recall, Limit Alarms, and Multi Color Display Features to customize for your specific vehicle.

