

## CorkSport Power Series Cold Air Box

Fits the 2010+ Mazdas 3 with the CorkSport SRI



**NOTE:** These instructions were written for reference only and the use of a factory service manual is recommended. Please read these instructions thoroughly prior to starting installation.



**NOTE:** The test vehicle was already equipped with the CorkSport Short Ram Intake. If this air box was purchased with the CorkSport SRI, please refer to the installation instructions provided with the SRI before proceeding with this install. Also, the air box is coated with a black gel coat. It is recommended that the CAB be painted before being permanently installed in the vehicle. However, please test fit the CAB prior to painting.

Part Number: Axl-6-121 Time Estimate: 20-30 min Wrench Rating: 2/5	Model Mazda 3	Year 2010+	Trim Mazda 3 (2.5L)
<b>TOOLING LIST:</b> 3/8 Drive Ratchet 10mm Long Socket 5mm Allen Wrench		<b>PARTS LIST:</b> CorkSport SRI Air Box Assembly	







For help with installation, call 360-260-CORK (2675)



# Installation Instructions:

## CorkSport Power Series Air Box 2010+ Mazda 3

### How the Instructions Work

To best cover all of our customers experience levels and familiarity with the systems on their Mazda, we have broken our instructions down into numbered steps, each of which has the core information in the header with additional detail as needed depending on your experience. If you have a high level of experience, you can just use the checklist below and then skip to the step number where you need help or assistance. Video assistance may also be available for certain steps and is indicated by the HD icon:  Areas where there is a safety concern are indicated by the warning icon:  Cautionary areas (where parts are fragile, etc) are indicated by the caution icon:  Key tips are indicated with the light bulb icon: 

### Overview/Checklist:

This is an overview of each of the steps of the build. You can use this as a reference and a checklist as you button up the work on the car.



### 1. Installing the CorkSport Air Box

- 1a) Unplug the MAF sensor plug from the MAF sensor
- 1b) Remove the small hose clamp and 10mm nut. Then loosen the T-bolt clamp holding the silicone coupler to the MAF housing
- 1c) Remove the lid from the air box by removing the four (4) allen head bolts using the 5mm allen wrench
- 1d) Remove the one (1) 10mm hex head bolt on the radiator support using the 10mm long socket and ratchet
- 1e) Install the air box, being sure to line up the bolt on the bottom of the air box with the one (1) factory air box grommet
- 1f) Reinstall the 10mm hex head bolt using the 10mm long socket and ratchet. Be sure to line up the bracket on the air box so that it is in line with the bolt hole
- 1g) Feed the MAF wiring through the slot in the airbox and bolt the small hose clamp to the side of the airbox using the supplied 10mm hex head bolt and nut
- 1h) Reinstall the MAF housing and filter assembly and tighten the T-bolt clamp securing the MAF housing to the silicone coupler
- 1i) Plug in the MAF sensor ensuring that there is some slack in the wiring
- 1j) Reinstall the airbox cover and thread in the four (4) allen head screws finger tight
- 1k) Tighten the rear two (2) allen head bolts followed by the front two (2) bolts using the 5mm allen wrench.
- 1l) Enjoy your new CorkSport Air Box!





# Installation Instructions:

## CorkSport Power Series Air Box

### 2010+ Mazda 3

#### 1: Installing the CorkSport Air Box

A) Unplug the MAF sensor plug from the MAF sensor (red arrow in Figure 1).

B) Remove the hose clamp from the T-bolt clamp by removing the 10mm nut and loosen the T-bolt clamp (red circle in Figure 1) holding the silicone coupler to the MAF housing using the 10mm long socket and ratchet. Remove the MAF housing and filter from the vehicle.

C) Remove the lid from the air box by removing the four (4) allen head nuts using the 5mm allen wrench Figure 2A & 2B show the nuts in the red circles.

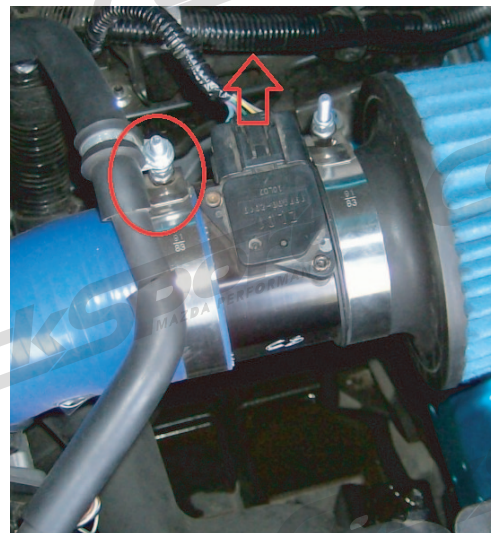


Figure 1

D) Remove the one (1) 10mm hex head bolt on the radiator support (green circle in Figure 3A) using the 10mm long socket and ratchet.

E) Install the air box, being sure to line up the bolt on the bottom of the air box with the one factory air box grommet (red circle in Figure 3A) should line up and press into the red circle in Figure 3C). The final position is shown in Figure 3B.

F) Reinstall the 10mm hex head bolt using the 10mm long socket and ratchet. Be sure to line up the bracket on the air box so that it is in line with the bolt hole as shown by the green circle in Figure 3A.



Figure 2A



Figure 2B

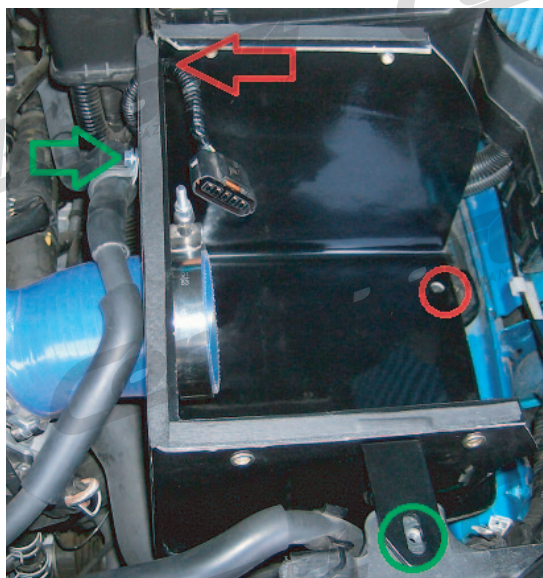


Figure 3A



Figure 3B



Figure 3C

G) Pull the MAF sensor wiring through the slot shown by the red arrow in Figure 3A. Also bolt on the hose clamp shown by the green arrow in Figure 3A using the supplied 10mm hex head bolt and nut. Tighten the bolt and nut using the ratcheting wrench and 10mm long socket and open ended wrench.

# Installation Instructions: CorkSport Power Series Air Box 2010+ Mazda 3

## 1: Installing the CorkSport Air Box - Continued


H) Reinstall the MAF housing and filter assembly and tighten the T-bolt clamp to secure the MAF housing to the silicone coupler using the 10mm long socket and ratchet (shown in **Figure 4A**).

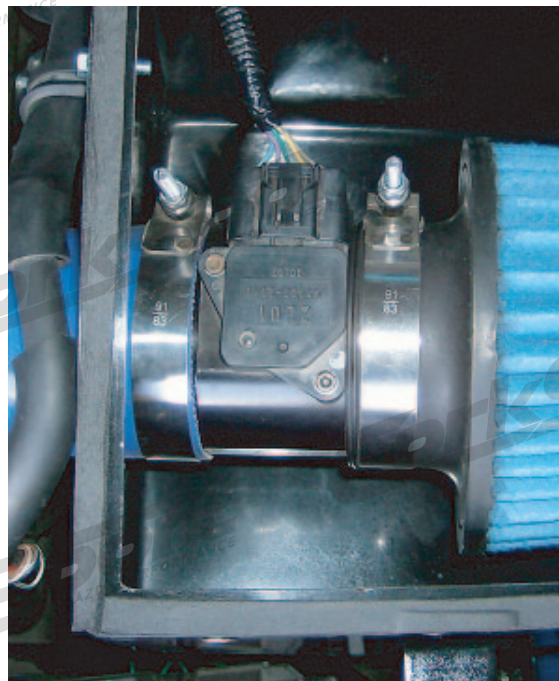
I) Plug in the MAF sensor ensuring that there is some slack in the wiring.

J) Reinstall the air box cover and thread in the two (2) rear allen head bolts finger tight (**green arrows** shown in **Figure 5A**). Then thread in the front two (2) allen head bolts finger tight (**red arrows** in **Figure 5A**).

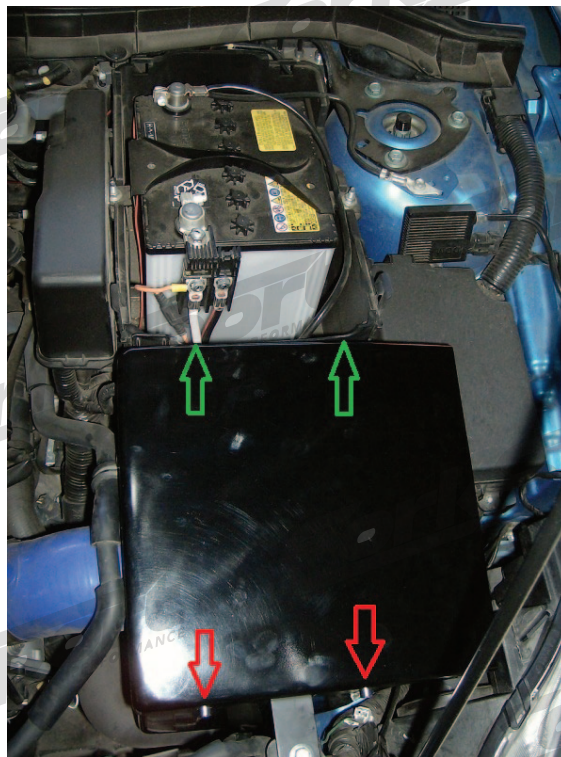
K) Tighten the rear two (2) allen head bolts followed by the front two (2) allen head bolts using the 5mm allen wrench.

L) Enjoy your new CorkSport Air Box!

 Note: The end of the filter will stick out of the airbox a couple inches as shown in **Figure 5A**. This is correct and will allow incoming fresh air to hit the filter media while still blocking off the hot side of the engine bay from the filter and MAF housing.



**Figure 4A**



**Figure 5A**