

## CorkSport Cold Air Intake System

2016+ Mazda Miata MX-5



**Thank you for purchasing the CorkSport Cold Air Intake System.** Help your ND Miata breathe easy with the CorkSport Cold Air Intake System. The CorkSport CAI features a CAD designed ABS box and lid, billet aluminum MAF housing and an AEM high-flow dry air filter drawing air from the OEM cold air ducting to provide you with the all the cool ambient air the 2.0L needs. We hope you enjoy your new CorkSport CAI System and we value your feedback. Submit a review online today at: <http://corksport.com/2016-mazda-miata-mx5-cold-air-intake-system.html>

### Pre-Installation Notes:



Verify that the engine and radiator is cool before proceeding.



**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



**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 instructions were written using a 2016 Mazda Miata MX-5 Launch Edition 2.0L.** Other 2016+ Mazda Miata MX-5 2.0L will be similar.

### Materials and Time:



#### General Info.

Part #: NDM-6-115-10  
Time Est: 1 hour  
Wrench Rating: 2/5



#### Tooling List

3/8" Ratchet  
3/8"-10mm Deep Socket  
10mm Wrench  
3mm Allen Wrench  
#2 Phillips Screwdriver  
Large Jaw Pliers  
Needle Nose Pliers



#### Parts List

See Front Page

Need Help With Your Installation?  
Call (360) 260-CORK

## Order of Operations & Table of Contents



### Vehicle Disassembly

Section 1: OEM Intake System Removal

Pg. 2

Section 2: OEM Intake System Disassembly

Pg. 3



### CorkSport Products Installation

Section 3: CorkSport Parts Assembly

Pg. 4

Section 4: CorkSport CAI System Installation

Pg. 5-7

Section 5: Final Assembly and Tuning

Pg. 8

## Detailed Instructions

### 1. OEM Intake System Removal

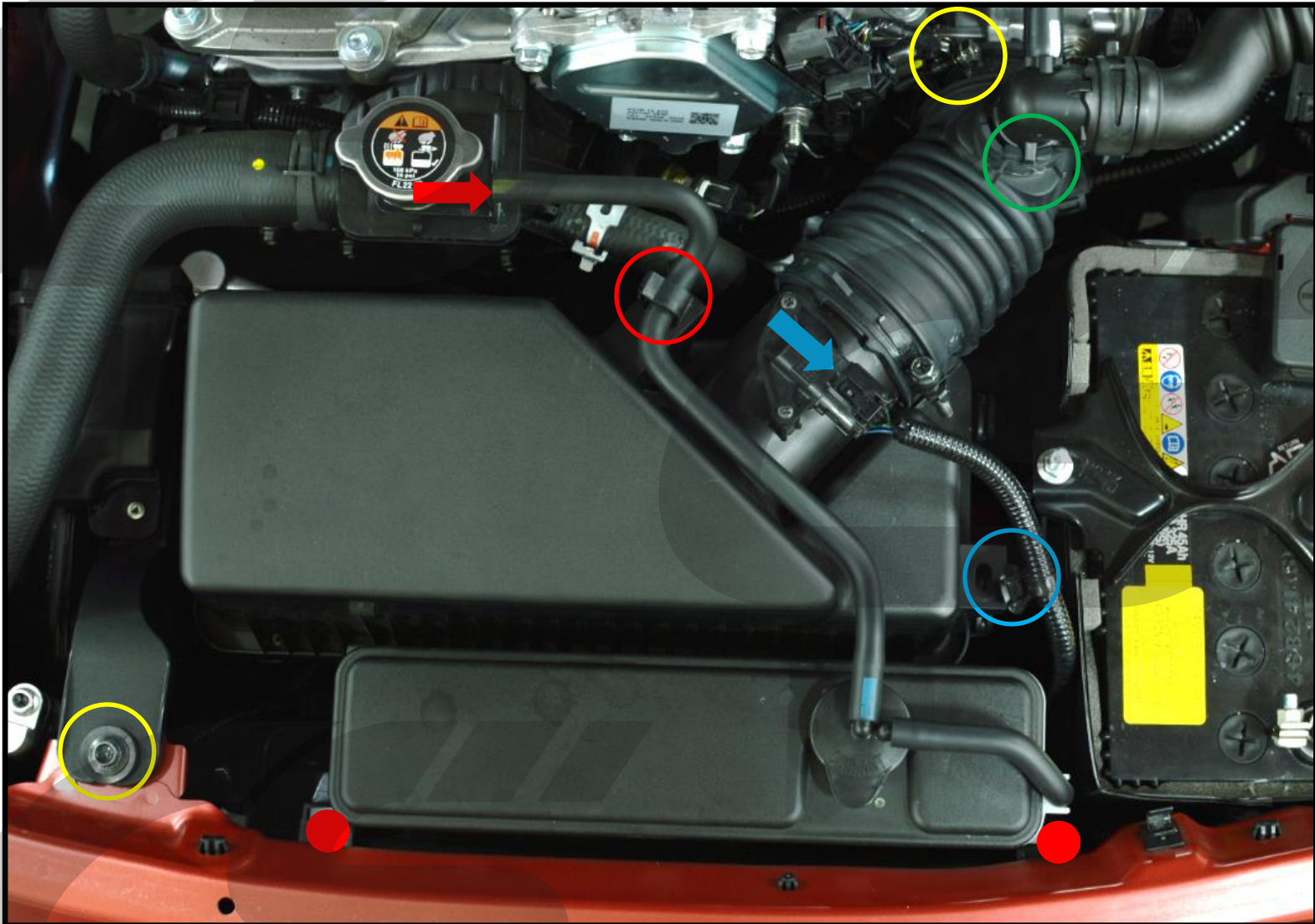


Figure 1a

- a) **Remove the coolant reservoir.** Open the clip **circled in red** then remove the overflow hose shown with the **red arrow**. Push the clips open shown with the **red dots** to remove the coolant reservoir from the vehicle. **Shown in Figure 1a.**
- b) **Disconnect wiring.** Disconnect the MAF sensor wire shown with the **blue arrow** then remove the wire tie clip from the OEM intake box (needle nose pliers may be needed), shown with the **blue circle** in **Figure 1a.**
- c) **Remove breather from the throttle body rubber coupler.** Using large jaw plies, loosen the spring clamp then remove the breather. Shown with the **green circle** in **Figure 1a.**
- d) **Use a 10mm deep sock or wrench** to remove the mounting bolt and loosen the throttle body clamp **circled in yellow** if **Figure 1a.**
- e) **Remove the entire OEM intake system from the vehicle.** Pull up on the battery side first until the box “pops” off the rubber bushing pegs. Then rotate the intake up and out.

## Detailed Instructions

### 2. OEM Intake System Disassembly

a) Remove one of the OEM rubber isolators from the OEM intake system. Red circle in **Figure 2a**.

b) Remove the OEM mounting rubber isolator and collar. Red circle in **Figure 2b**.

c) Remove the spring clamp from the throttle body couple and use a #2 Phillips to remove the MAF sensor. Red circles in **Figure 2c**.

d) You should have the items shown in **Figure 2d**.

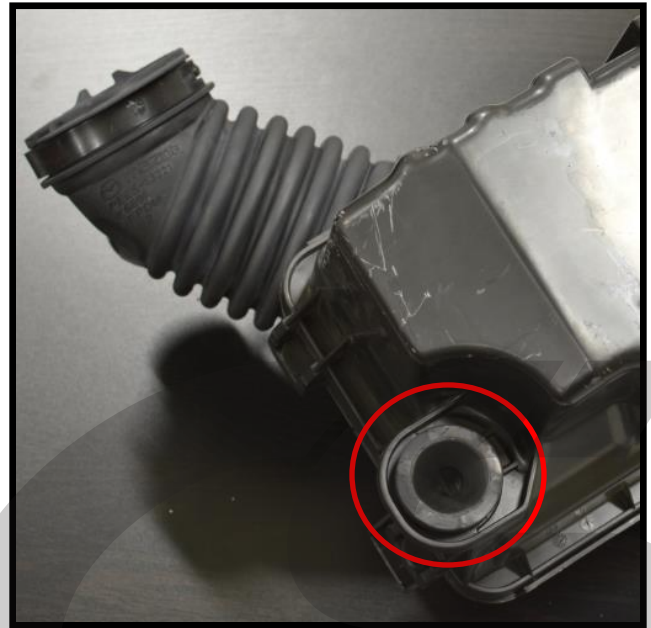


Figure 2a



Figure 2b

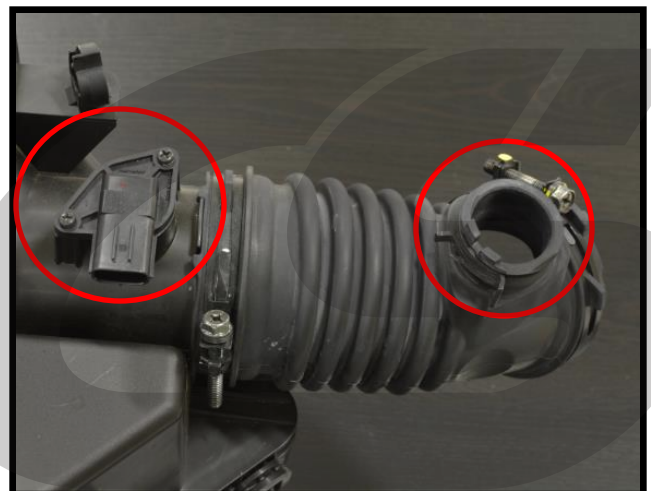


Figure 2c



Figure 2d

# Part # NDM-6-115-10

## Detailed Instructions

### 3. CorkSport Parts Assembly

- a) Install the large OEM rubber isolator in the location of the red circle in **Figure 3a**.
- b) Install the OEM mounting rubber isolator and collar in the location of the blue circle in **Figure 3a**.
- c) Install the CorkSport Cold Air Intake silicone as shown in **Figure 3a**.
- d) Use a 3mm Allen wrench to remove the two socket head screws from the CorkSport MAF housing. **Figure 3b**.
- e) Install the MAF sensor as shown in **Figure 3c**.
- f) Assemble the CorkSport MAF housing and filter as shown in **Figure 3d**. Use the 83-91mm T-Bolt clamp and a 10mm deep socket. Clamp orientation shown is recommended.

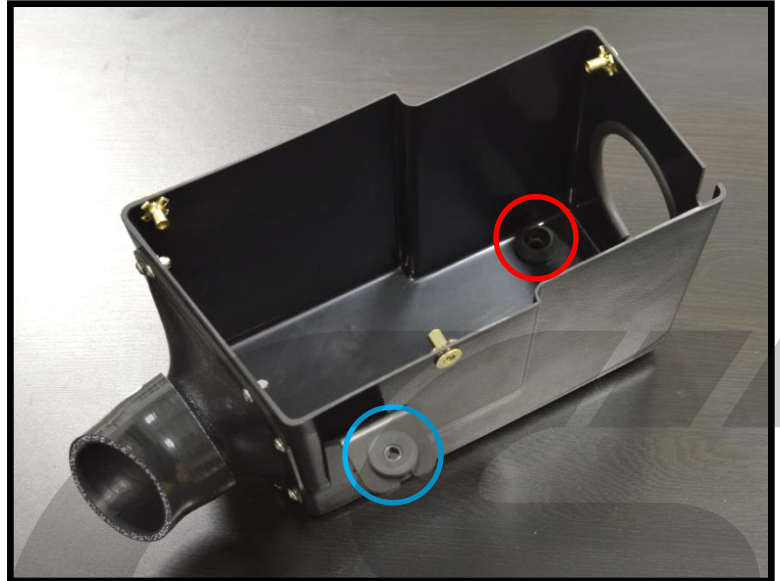


Figure 3a



Figure 3b



Figure 3d



Figure 3c

## Detailed Instructions

### 4. CorkSport CAI System Installation

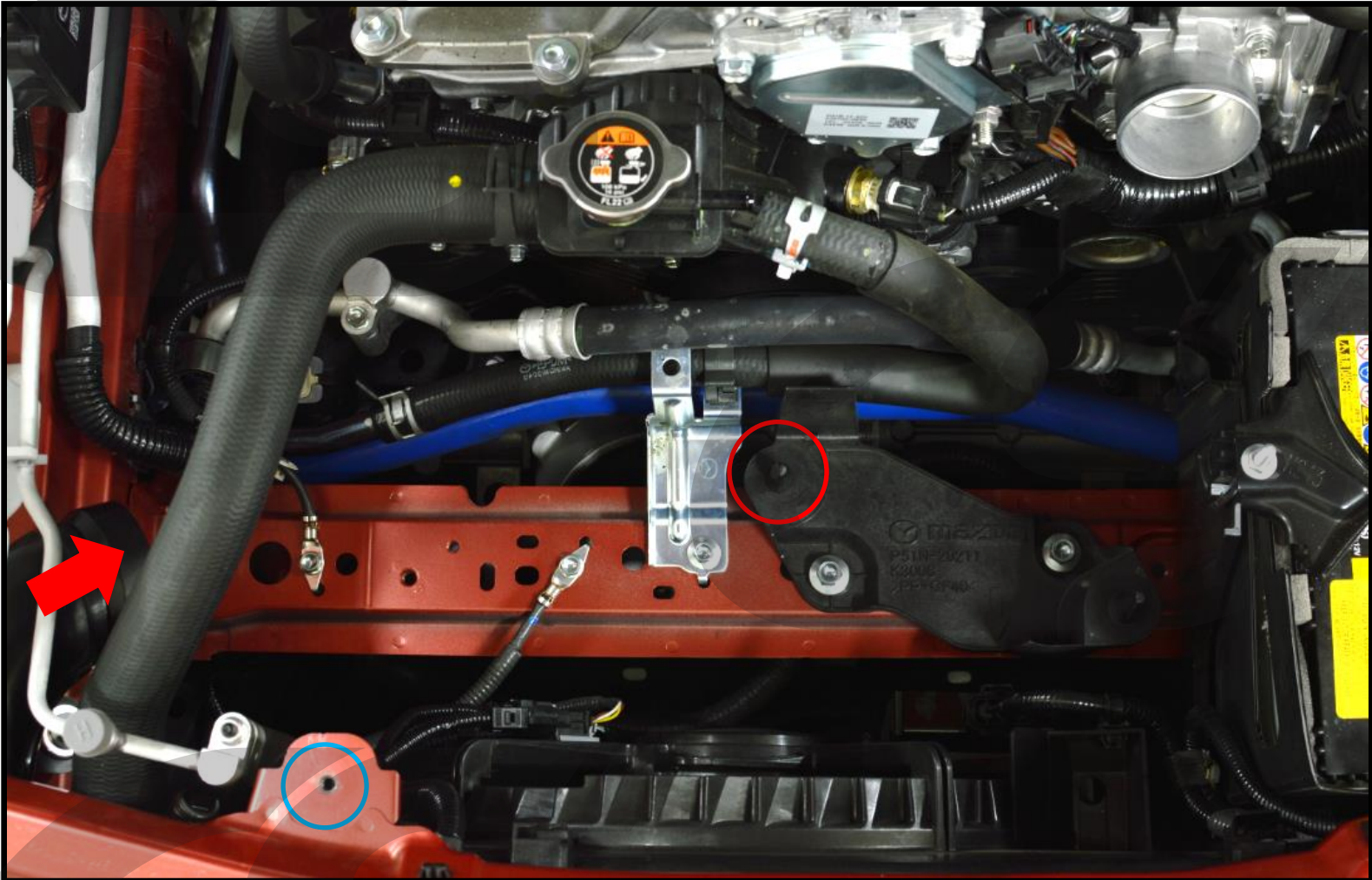


Figure 4a

- a) Figure 4a shows the engine bay without the coolant reservoir or intake system installed.
- b) The red circle in Figure 4a shows the rubber isolator peg that will be used by the CorkSport CAI System.
- c) The blue circle in Figure 4a shows the mounting rubber isolator and collar that will be used by the CorkSport CAI System.
- d) The red arrow in Figure 4a shows where the CorkSport CAI silicone will interface with the OEM cold air ducting.
- e) Install the assembled CorkSport CAI box as shown in Figure 4b on page 6.

## Detailed Instructions

### 4. CorkSport CAI System Installation (continued)



Figure 4b

- f) **The CorkSport Cold Air Intake silicone** orientation may need to be adjusted once installed in the vehicle. The CS logo should be facing the rear of the vehicle.
- g) **Install & tighten the OEM 10mm bolt into the mounting location circled in blue in Figure 4b.**
- h) **Install the CorkSport throttle body silicone.** Use the 70-78mm T-Bolt clamp on the throttle body side and the 77-85mm T-bolt clamp on the MAF side. Leave the clamps loose. Shown in **Figure 4b.**
- i) **The orientation of the clamps is recommended.**

## Detailed Instructions

### 4. CorkSport CAI System Installation (continued)



Figure 4c

- j) Install the assembled CorkSport air filter and MAF housing as shown in Figure 4c.
- k) Adjust the throttle body silicone to align everything properly then tight the clamps with a 10mm deep socket.
- l) Install the OEM breather and clamp tight with the OEM spring clamp.
- m) Install the MAF wire.



## Detailed Instructions

### 5. Final Assembly and Tuning

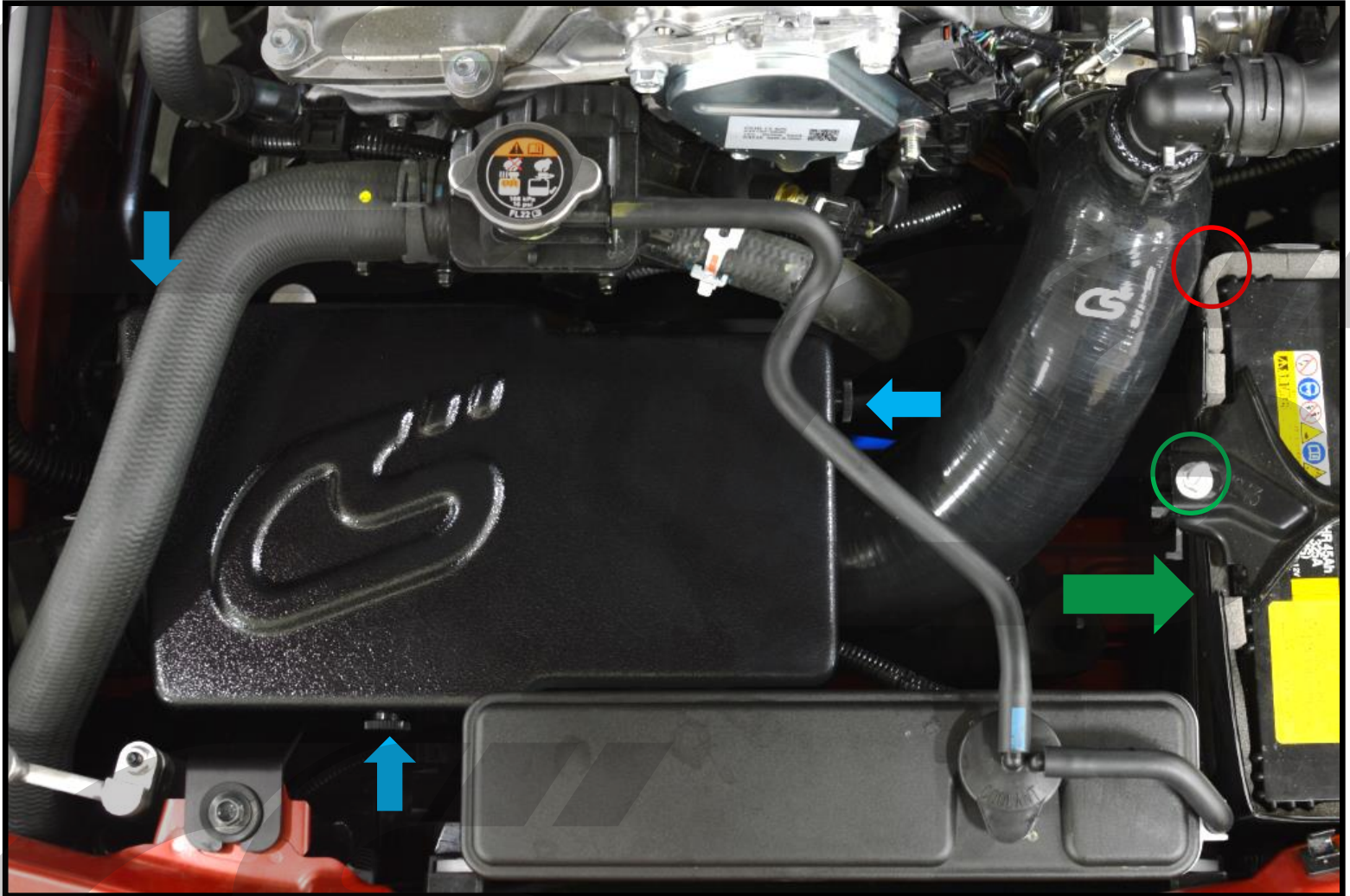


Figure 5a

- Install the coolant reservoir and reattach the overflow hose.
- If there is contact (or near contact) at the red circle, loosen the battery tie-down nuts and adjust the battery to the furthest most position in the direction of the **green arrow**. Shown in **Figure 5a**. Retighten the battery tie-down nuts.
- Install the CorkSport CAI Lid with the three provided thumb screws w/lock washers. Thumb screw locations are shown with the **blue arrows** in **Figure 5a**. These are intend to be used finger tight, do NOT use pliers to tighten. Place lock washer on thumb screw as shown in **Figure 5b**.



**This completes the installation of your CorkSport Cold Air Intake System. We highly recommend a professional tune to gain the full potential of your new performance parts.**

Points go against the thumb screw



Figure 5b

## What's Next:

### **CORKSPORT Adjustable Swaybars**

Track tested and racer approved, the CorkSport Front and Rear Swaybars are a great compliment to the daily driver and track rat. Get your body roll under control with the CorkSport 3-Way Adjustable Swaybars.



### **CORKSPORT Axle-Back Exhaust**

Liven up your ND with a sporty exhaust note that won't drive you crazy during the long drives. Featuring stainless steel 60mm pipe, high-flow resonator, and dual double wall tips.

### **CorkSport Lowering Springs**

Track tested and racer approved, the CorkSport Lowering Springs are a perfect match for your daily driven MX-5. The CorkSport Lowering Springs give the MX-5 an aggressive look without sacrificing functionality or ride quality.

