

CorkSport Power Series Silicone Intake Elbow

2007-2013 Mazdaspeed 3



Thank you for purchasing the CorkSport Power Series Intake Elbow. Specifically designed and tested for the Mazdaspeed 3 turbo engine the CorkSport Power Series 2007-2013 Mazdaspeed 3 Silicone Intake Elbow are made from six layer silicone that contains five layers of reinforcement for a strong yet flexible connection that will allow for ideal flow. Please let us know what you think of them by providing feedback here:

<http://www.corksport.com/corksport-mazdaspeed-power-series-intake-elbow.html>

Pre-Installation Notes:



Disconnection of battery is recommended before installation. Consult factory service manual or owners manual for your car for specific details on disconnection of battery. Bridging the terminals on the battery can cause SERIOUS damage to vehicle electronics and can cause injury.



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.

Materials and Time:



General Info

Part #: Gen-6-449
Time Est: 30-45 min
Wrench Rating: 2/5



Tooling List

1/4" Drive Ratchet
10mm Deep Socket
10mm Ratcheting Wrench
Long Nose Angled Pliers



Parts List

1x 77-85mm T-Bolt Clamp
1x 63-71mm T-Bolt Clamp
1x45 Degree Silicone Elbow

Need Help With Your Installation?

Call (360) 260-CORK

Detailed Instructions

 These installation instructions were written using a 2013 Mazdaspeed 3. Other year Mazdaspeed3 models will be similar.

1. Remove the Factory Intake Elbow

- a) Remove the top mount intercooler cover (TMIC) by removing the two 10mm bolts (Red Circles in Figure 1a).


 Now is a good time to look at your intercooler and see if you have any bent fins or debris lodged in the intercooler fins. Removing debris and straightening the fins will improve the performance of the intercooler.



Figure 1a

- b) Loosen the two (2) 10mm hose clamps on the factory rubber intake elbow (green circles in Figure 1b).

- c) Unplug the MAF sensor located on the air filter housing (red arrow in Figure 1b).

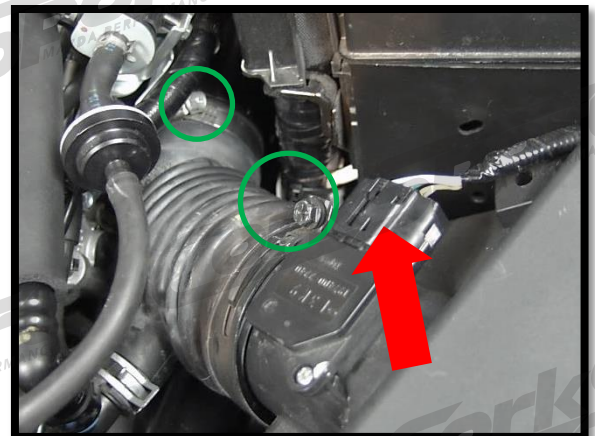


Figure 1b

- d) Remove the top portion of the air filter housing box by prying the two (2) metal clasps outward (red arrows in Figure 1c) and pulling the top toward the fender and upward simultaneously.

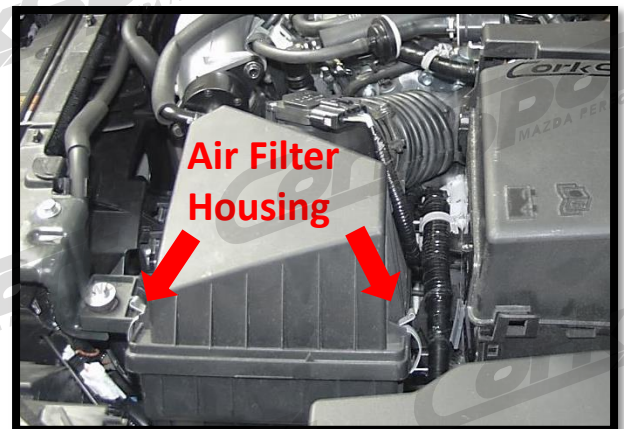


Figure 1c

1. Remove the Factory Intake Elbow (continued)

- e) Remove the valve cover breather tube from the rubber intake elbow by squeezing the tabs on the silver spring clamp with pliers and pulling the black plastic 90 degree elbow out (yellow arrow in Figure 1d).
- f) Pull the rubber intake elbow toward the front of the car and remove it from the turbo inlet pipe.



Figure 1d

2. Install the CorkSport Silicone Intake Elbow

- a) Place the 63/71 T-bolt clamp onto the smaller end of the silicone intake elbow. Push it onto the turbo inlet pipe (as shown in Figure 2a). Do not tighten the clamp at this time.



Be careful of the orientation of the turbo inlet pipe clamp! Incorrect positioning of the clamp could rub through the ECU wiring and cause severe damage. Safe clamp positioning shown with red circle in Figure 2a.

- b) Transfer the breather tube spring clamp from the factory intake elbow. Compress the spring clamp with pliers and place it onto the breather tube outlet on the silicone intake elbow (yellow arrow in Figure 2a).
- c) Push the 90 degree breather fitting into the silicone intake elbow (green arrow in Figure 2a).
- d) Place the 77/85 T-bolt clamp onto the open end of the silicone intake elbow (Figure 2a).

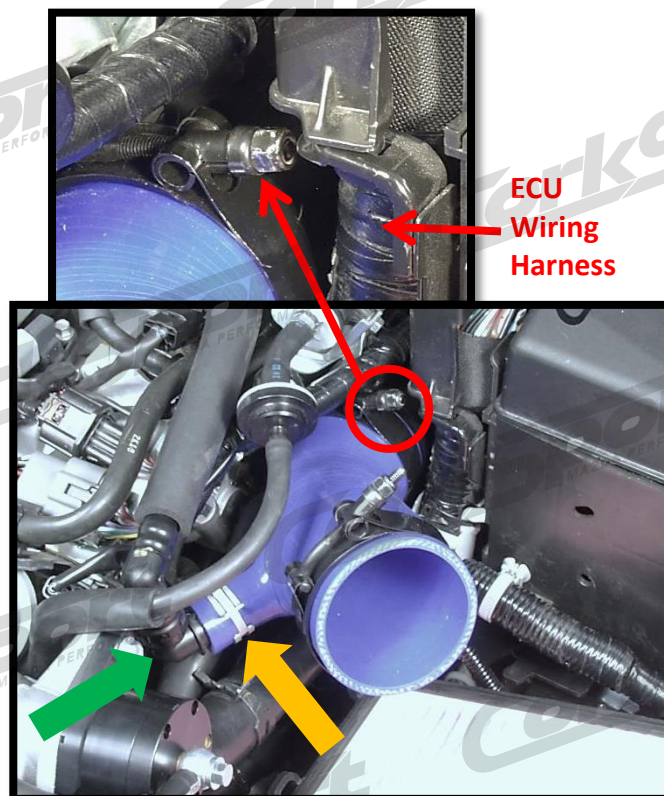


Figure 2a

2. Install the CorkSport Silicone Intake Elbow (continued)

e) **Replace the upper portion of the air filter box.**
Guide the plastic tabs into their locations and secure it to the bottom portion with the two (2) metal clasps.

f) **Guide the silicone intake elbow onto the MAF housing on the air filter housing.**

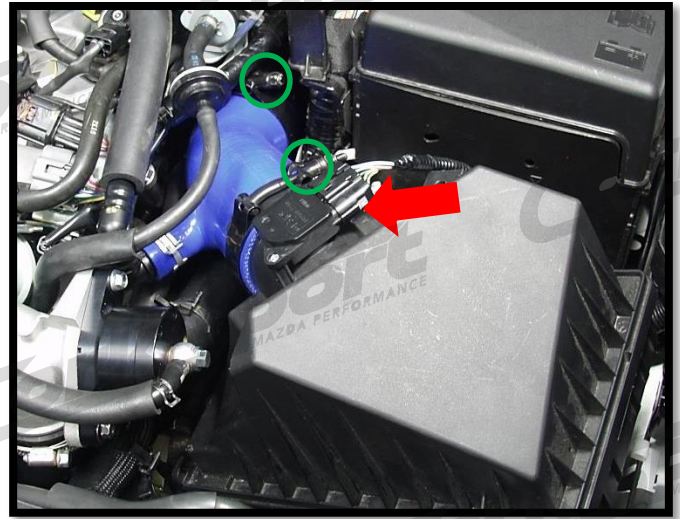


Figure 2b

g) **Adjust the elbow so that it fits well and there is no kinking.** Tighten the two (2) T-bolt clamps (green circles in Figure 2b).

h) **Plug the MAF sensor back in** (red arrow in Figure 2b).

i) **Replace the intercooler shroud** and fasten it down with the two (2) 10mm bolts you removed in step 1a (Figure 1a).



This completes the installation of your CorkSport MAF tube. You are now ready to start the car, if there are issues with the idle or the intake triggers a Check Engine Light (CEL), check for visible and audible vacuum leaks in the system, and check your connections - hose clamps for tightness. After a test drive, recheck all hose clamps again for tightness. Check out our [knowledgebase](#) for additional install information

What's Next:

Give your Mazdaspeed 3 a visual boost and improve airflow with the CorkSport License Plate Relocation Kit. By offsetting your factory license plate and moving it to the drivers side, the CorkSport license plate relocation kit will allow for better airflow and improve the overall look of your Mazdaspeed 3..

[CorkSport License Plate Relocation Kit](#)



Enhance the look of your interior by adding custom LED interior lights. CorkSport's LED light kit replaces the incandescent bulbs for the dome light, map lights, rear hatch light (or trunk if you have a sedan), glove box light, visor lights, and license plate lights. The lights simply plug in with no custom adapters or wiring required.

[CorkSport Mazdaspeed LED Light Kits](#)

Add power and improve engine responsiveness with the CorkSport Mazdaspeed Turbo Inlet Pipe. Constructed from 60mm mandrel bent aluminum with smooth sweeping curves for optimal flow, the CorkSport Mazdaspeed turbo inlet pipe provides a 14% improvement in flow over the restrictive stock turbo inlet pipe. [Power Series Turbo Inlet Pipe](#)

