

CorkSport Power Series Boost Tubes

2007-2013 Mazdaspeed 3 & 2007-2010 CX7 & 2006 Mazdaspeed 6



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: These installation instructions are for use with a 2007 - 2010 MS3 & CX7 & 06 MS6, if you have a different vehicle, contact us for the appropriate instructions for you application.

Part Number: Axl-6-210	Model Mazda 3 Mazda CX7	Year 2007 - 2013 2007 - 2010	Trim Mazdaspeed 3 (DISI 2.3i Turbo) All (DISI 2.3i Turbo)
Time Estimate: 20-30 min	Mazda 6	2006	Mazdaspeed 6 (DISI 2.3i Turbo)
Wrench Rating: 2/5			
TOOLING LIST: 3/8 Drive Ratchet 10mm Long Socket 12mm Long Socket Small Phillips Screwdriver OPTIONAL TOOLING: 10mm End Wrench Large Phillips Screwdriver		PARTS LIST: Molded Silicone Elbow (Large) Molded Silicone Elbow (Small) 2 x 2.5" (63-71mm) T-Bolt Clamp 2 x 3.25" (77-85mm) T-Bolt Clamp	

Installation Instructions:

Corksport Short Ram Intake
2007-10 MS3 & 06 MS6 & 07-10 CX7

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. Remove the Factory Boost Tubes

- 1a) Remove the intercooler cover by removing the two (2) 10mm bolts.
- 1b) Remove the three (3) 12mm nuts that hold the intercooler to the engine.
- 1c) Loosen the top hose clamp on both the front and rear boost tubes.
- 1d) Remove the blow-off valve hose from the blow-off valve. Remove the intercooler.
- 1e) Loosen the bottom hose clamp on both boost tubes and remove boost tubes.

2. Installing the Corksport Silicone Boost Tubes

- 2a) Install the larger boost tube and 3.25" T-bolt clamp on the throttle body.
- 2b) Install the smaller boost tube and 2.5" T-bolt clamp on the turbo compressor outlet.
- 2c) Loosly install the top T-bolt clamp on both boost tubes.
- 2d) Reinstall the intercooler being sure to line up the bolt holes and inlet/outlet pipes.
- 2e) Tighten all four (4) T-bolt clamps making sure both boost tubes are secure.
- 2f) Reinstall the blow-off valve hose.
- 2g) Reinstall the three (3) 12mm nuts that secure the intercooler to the engine.
- 2h) Reinstall the intercooler cover and the two (2) 10mm bolts.
- 2i) Reconnect the negative lead of the battery to the terminal and start the car.
- 2j) Enjoy

Installation Instructions:

Corksport Power Series Intake

2007-10 MS3 & 06 MS6 & 07-10 CX7

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1: Remove the Factory Boost Tubes.

A) Remove the intercooler cover (MS3 cover shown) by removing the two (2) 10mm bolts shown in **Figure 1** using the 3/8" drive ratchet and the 10mm long socket.

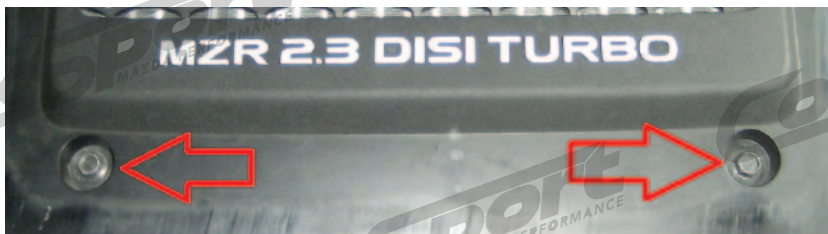


Figure 1

B) Remove the three (3) 12mm nuts (shown in **Figures 2A & 2B** by red arrows) securing the intercooler to the top of the engine using the 3/8" drive ratchet and the 12mm long socket. There are two bolts on the bottom of the intercooler and one located on the top left corner.

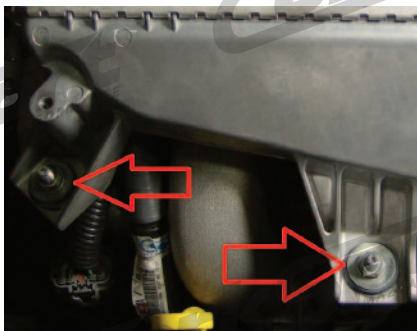


Figure 2A



Figure 2B

C) Loosen the top hose clamp on both the front (**Figure 3A**) and rear (**Figure 3B**) boost tubes using the 3/8" drive ratchet. The small phillips screwdriver may be used instead if space is tight.



Figure 3A



Figure 3B

D) Remove the blow-off valve by sliding down the clip shown in the green circle in **Figure 3A**. Pull the intercooler up and out of the way.

E) Loosen the bottom hose clamps on both the front and rear boost tubes using either the 3/8" drive ratchet and 10mm long socket, or the small phillips head screwdriver. The bottom hose clamps for the front and rear boost tubes can be seen in **Figures 4A & 4B** respectively. Remove the factory boost tubes.

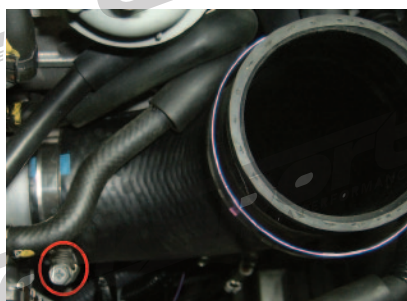


Figure 4A



Figure 4B

Installation Instructions:

Corksport Power Series Intake

2007-10 MS3 & 06 MS6 & 07-10 CX7

2: Installing the Corksport Silicone Boost Tubes

A) Install the larger silicone boost tube and 3.25" T-bolt clamp on the throttle body located on the front right side of the engine as shown in **Figure 5**. Tighten the clamp, but leave it loose enough that the boost tube can rotate into position once the intercooler is installed in the tube.

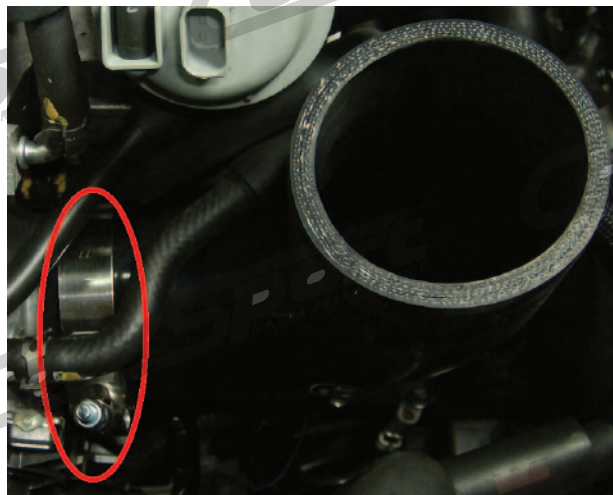


Figure 5

B) Repeat step 2A for installing the rear silicone boost tube, but instead of a 3.25" clamp on the throttle body, you will use a 2.5" T-bolt clamp on the compressor outlet of the turbo.

C) Loosly install the top T-bolt clamps on both the larger boost tube (3.25" clamp) and the smaller boost tube (2.5" clamp).

D) Reinstall the intercooler making sure that all three (3) bolt holes line up. Also make sure that both boost tubes are on fully with the clamps in place as shown in **Figures 6A & 6B**.



Figure 6A

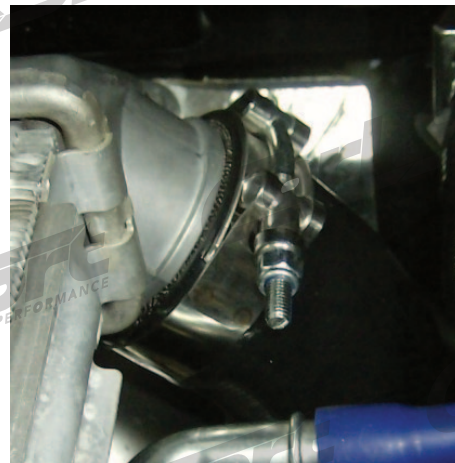


Figure 6B

E) Tighten all four (4) T-bolt clamps using the 3/8" drive ratchet and the 10mm long socket. Double check to make sure that they are securely holding the boost tubes in place.

F) Reinstall the blow-off valve hose as shown in **Figure 3A** (Green circle).

G) Reinstall the three (3) 12mm intercooler nuts as shown in **Figures 2A & 2B** using the 3/8" drive ratchet and 12mm long socket.

H) Reinstall the intercooler cover and the two (2) 10mm bolts that secure it to the intercooler using the 3/8" drive ratchet and 10mm long socket (shown in **Figure 1**).

I) Reconnect the negative lead of the battery to the terminal and start the car. If you see a check engine light or experience rough idle, it is most likely due to a loose connection of the boost tubes. Check that all connections are tight and fully connected.

J) Enjoy!