

CorkSport Mazdaspeed 3 Coolant Reservoir

2010-2013 Mazdaspeed 3, 2010-2013 2.5 Mazda3



Thank you for purchasing the CorkSport Mazdaspeed 3 coolant reservoir. The CorkSport Coolant Reservoir is a great way to improve the look of your engine bay while improving piece of mind against the all too common failures of the OEM coolant tank. The CorkSport Coolant Reservoir is made of aluminum and is pressure tested to make sure it won't leak or crack.

Please let us know what you think by submitting a review here: <http://www.corksport.com/corksport-mazdaspeed-3-coolant-tank-reservoir.html>

Pre-Installation Notes:



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. 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 an overview checklist for the more technically advanced users along with step-by-step instructions for customers that require additional detail.



These installation instructions were written using a 2010 Mazdaspeed 3. Other year Mazdaspeed3 models will be similar.

Materials and Time:



General Info.

Part #: Axl-6-830
Time Est: 1 hours
Wrench Rating: 2/5



Tooling List

10mm Socket
3/8" Drive Ratchet
Stub Nose Pliers
Philips Head Screw Driver



Parts List

One (1) CorkSport Coolant Reservoir

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Checklist

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

1. Drain a Small Amount of Coolant From the Car to Empty the Reservoir

Instruction Notes.

- a) **Loosen the drain plug on the lower driver side of the radiator.** Use a Philips head screw driver to loosen the drain plug. Shown in [Figure 1a](#) from below but can be accessed from inside the engine bay. Drain the fluid until it is emptied from the Coolant reservoir shown in [Figure 2c](#).

 Be sure to use a clean container to catch the coolant if you want to re-use the coolant fluid after install.

2. Remove the Factory Coolant Reservoir

- a) **Remove the coolant reservoir located over the Motor mount.** Shown circled in [Figure 2c](#). There are two clips shown in [Figure 2a](#) and [Figure 2b](#) that hold the reservoir in place.
- b) **Remove the three clips that hold the factory coolant lines on the coolant reservoir and remove the lines.** Line are shown removed in [Figure 2c](#) but the fittings on the reservoir are shown circled.
- c) **Remove the coolant reservoir from the car.** Shown removed in [Figure 2d](#).
- d) **Remove the 10mm bolt that holds one of the AC lines.** Shown circled in [Figure 2e](#).

3. Install the CorkSport Coolant Reservoir

- a) **Place CorkSport coolant reservoir onto original front mounting bracket making sure the mounting tab aligns with the AC line bolt hole.** Bolt hole shown circled in [Figure 3a](#).
- b) **Replace 10mm bolt to hold coolant reservoir into place.** Shown circled in [Figure 3a](#).
- c) **Replace factory hoses and clamps, back over the spouts located on the front of the CorkSport Coolant Reservoir.** Shown circled in [Figure 3b](#).
- d) **Refill coolant to center of viewing window on reservoir.**




This completes the installation of your CorkSport Coolant Reservoir. Start the car and watch for leaks. After the car has been heat cycled check the coolant and fill to line again. Check out our [knowledgebase](#) for additional install information

Detailed Instructions

 These instructions are made for

1. Drain a Small Amount of Coolant From the Car to Empty the Reservoir

- a) Loosen the drain plug on the lower driver side of the radiator. Use a Philips head screw driver to loosen the drain plug. You do not have to remove it to drain fluid. Shown in **Figure 1a** from below but can be accessed from inside the engine bay. Drain the fluid until it is emptied from the Coolant reservoir shown in **Figure 2c**.

 Be sure to use a clean container to catch the coolant if you want to re-use the coolant fluid after install.

2. Remove the Factory Coolant Reservoir

- a) Remove the coolant reservoir located over the Motor mount. Shown circled in **Figure 2c**. There are two clips shown in **Figure 2a** and **Figure 2b** that hold the reservoir in place. Simply pull up and the reservoir will come loose. Over time the plastic becomes hard and brittle and might require prying with a flat bladed screw driver to remove.



Figure 1a



Figure 2a



Figure 2b

- b) Remove the three clips that hold the factory coolant lines on the coolant reservoir and remove the lines. The clips are spring clips that can be loosened with pliers and moved to a non clamped portion of the hose. These will be reused later. Line are shown with **red arrows** in **Figure 2c**.



Figure 2c

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2. Remove the Factory Coolant Reservoir Continued...

- c) Remove the coolant reservoir from the car. Shown removed in **Figure 2d**.
- d) Remove the 10mm bolt that holds one of the AC lines. Shown circled in **Figure 2e**.

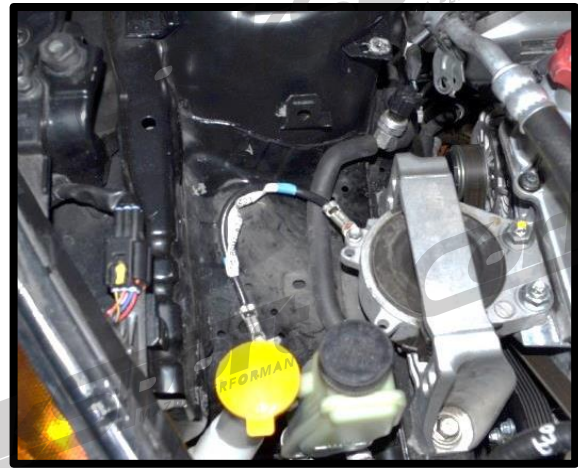


Figure 2d



Figure 2e



Figure 3a

3. Install the CorkSport Coolant Reservoir

- a) Place CorkSport coolant reservoir onto original front mounting bracket making sure the mounting tab aligns with the AC line bolt hole. This was removed in Step 2d. Bolt hole shown circled in **Figure 3a**.
- a) Reinstall 10mm bolt to hold coolant reservoir in place. Shown circled in **Figure 3a**.
- b) Replace factory hoses and clamps, back over the spouts located on the front of the CorkSport Coolant Reservoir. Shown circled in **Figure 3b**.

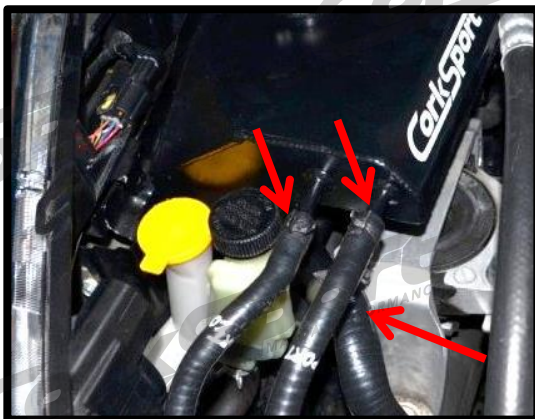


Figure 3b



Figure 3c

- c) Refill coolant to center of viewing window on reservoir. If you saved the coolant this should be a similar amount that was removed. Shown **Figure 3c**.



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