

CorkSport Power Series Exhaust 2011+ Mazda 2



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WARNING: Make sure vehicle is completely cooled down prior to starting installation. Exhaust systems and especially catalytic converters can get hot enough to seriously injure you. 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 exhaust system and the catalyst.



WARNING: Thoroughly read the precautions and instructions that come with your Floor Jack and Jackstands as well as your vehicle's owners manual for appropriate jacking methods and jacking / support points. Always double up support on a vehicle - Jack Stands and Floor Jack /etc.



NOTE: When under the car, you should be wearing mechanics gloves or other form of hand protection as well as ANSI Approved Safety Glasses.



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.

Part Number: Mz2-6-100 Time Estimate: 45-90 min. Wrench Rating: 2/5	Model Mazda 2	Year 2011+	Trim All
TOOLING LIST: 3/8 Drive Ratchet BEST: DC Impact Gun 6" 3/8 Drive Extension 17mm Boxed End Wrench 17mm Long Socket BEST: Wobbly/Univ. 14mm Boxed End Wrench 14mm Long Socket BEST: Wobbly/Univ.	12mm Socket 5mm allen head socket Silicone Spray/WD-40 Jack Stands Torque Wrench Floor Jack Mechanics Gloves	PARTS LIST: CorkSport Midpipe CorkSport Tailpipe CorkSport Racepipe (Off-road use only) 1x Exhaust Flange Gasket 2x M10x1.25 35mm Hex Bolts 2x M10x1.25 Hex Nuts 2x M10 Lock Washers 2x M10 Flat Washers	2x M10x1.25 70mm Hex Bolts 2x M10 31mm Flat Washers 1x Slip Fit Clamp







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

Installation Instructions:

CorkSport Power Series

2011+ Mazda 2 Exhaust

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. Support Car on Floor Jack/Jackstands or Lift

- 1a) Use a floor jack and jackstands to gain access to the underside of the vehicle

2. Remove the Factory Exhaust

- 2a) Remove the four (4) 12mm bolts securing the chassis brace to the vehicle and remove the brace
- 2b) Remove the two (2) 14mm nuts holding the muffler to the midpipe
- 2c) Remove the muffler from the two (2) rubber hangers and remove the muffler from the vehicle
-  Note: Be prepared for the muffler to fall when removed from the rubber hangers
- 2d) Remove the two (2) 14mm nuts holding the midpipe to the header
-  You may need an extra set of hands to help remove the mid pipe so that it does not fall
- 2e) While supporting the midpipe, remove the final exhaust hanger and remove the midpipe





3. Installation of the CorkSport Exhaust

- 3a) If you are not installing the racepipe, cut the factory exhaust two (2) inches back of the catalytic converted weld as shown in **Figure 2A**
-  Note: Be sure to measure twice and cut once
- 3b) Install the racepipe (or stock exhaust that you just cut) by bolting the flanged section to the header using the two (2) supplied M10 x 1.25 x 70mm bolts and large washers
-  Note: The racepipe is for off-road use only
- 3c) Install the muffler section of the CorkSport Exhaust by inserting the two (2) hanger posts in to the rear most stock rubber hangers as shown by the **red arrows** in **Figure 2C**
- 3d) Install the midpipe section of the exhaust on to the vehicle and connect to the rubber hanger
- 3e) Connect the rear of the midpipe to the muffler section using the supplied hardware. You will use one (1) gasket and two (2) M6 bolts, washers, lock washers and nuts (see **Figure 2D**)
- 3f) Connect the front end of the midpipe section to the racepipe (or stock cat section) by sliding the midpipe slip fit section over the racepipe (shown in **Figure 2A**)



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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.



3. Installation of the CorkSport Exhaust - Continued

-  Note: Be sure to put the slip fit clamp over the midpipe before inserting the racepipe
- 3g) Now that everything is connected, start from the front of the exhaust and tighten the hardware to secure the exhaust.
- 3h) Tighten the slip fit clamp over the front connection using a 5mm allen head to 25 ft lbs
- 3i) Using a 17mm end wrench and 17mm socket and torque wrench, tighten the bolts between the midpipe and the muffler section to 25 ft lbs
- 3j) Start your vehicle and check for exhaust leaks. If any are found, check the connection and re-tighten the bolts 5 ft lbs more. Then re-test.
- 3k) Make sure all tools are out from under the car and lower the car to the ground and enjoy.



Installation Instructions:

CorkSport Power Series

2011+ Mazda 2 Exhaust

1: Support Car on Floor Jack/Jackstands or Lift

Use a floor jack and jackstands to gain access to the underside of the vehicle.

⚠ Always refer to the floor jack and jackstand manufacturers instructions as well as the factory owners manual for your vehicle to determine jacking points and support points. Alternately, use an automotive lift to gain access to the underside of the vehicle. Redundant support mechanisms are recommended.

2: Removing the Factory Exhaust

A) Using a 12mm socket and or end wrench, remove the four (4) 12mm bolts that hold the tunnel chassis brace in place as shown by the red arrows in Figure 1A.

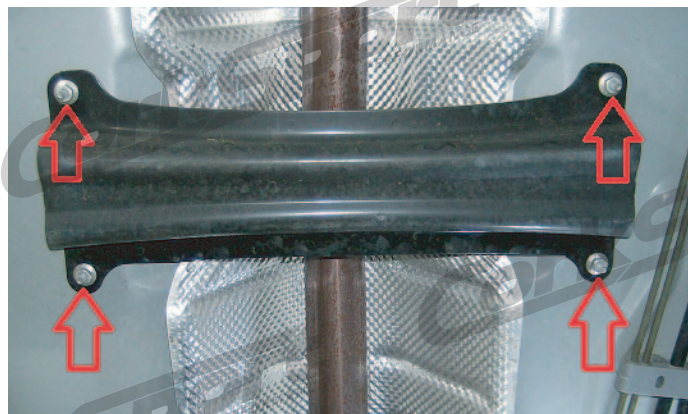


Figure 1A

B) Using a 14mm socket and ratcheting wrench, remove the two (2) nuts holding the muffler section of the exhaust to the mid pipe section as shown by the red arrows in Figure 1B.

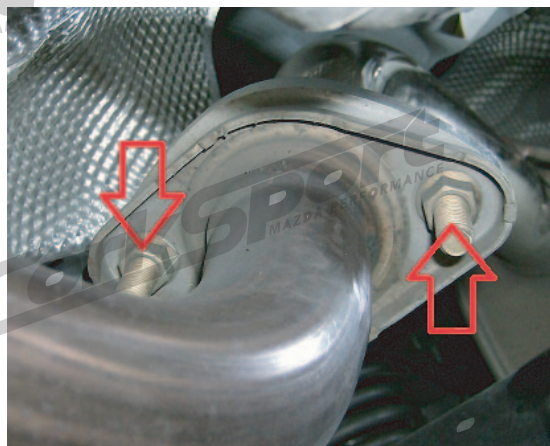


Figure 1B

C) Spray the two (2) muffler hangers (shown by the red arrows in Figure 1C) with silicone spray and remove the muffler section from the vehicle.

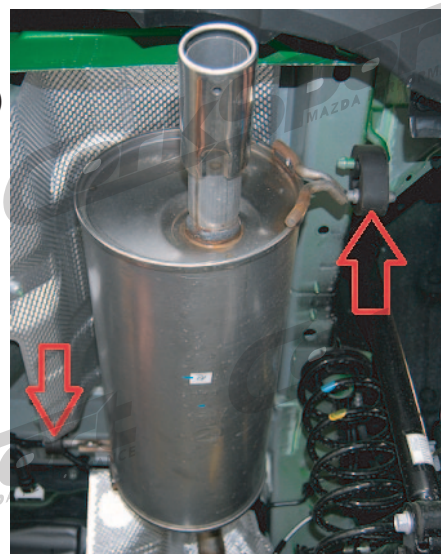


Figure 1C

⚠ Note: Be prepared to hold the muffler when it drops. When it lets go, its going to fall quickly.

D) Using a 14mm long socket, 6" extension and ratcheting wrench, remove the two (2) nuts holding the factory mid-pipe section to the header pipe (red arrows in Figure 1D).

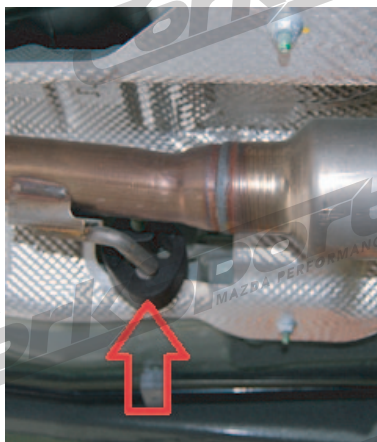


Figure 1E

💡 You may need a friend to help support the exhaust while you remove the mid pipe section.

E) While supporting the mid pipe section, remove the final exhaust hanger shown in Figure 1E by the red arrow.

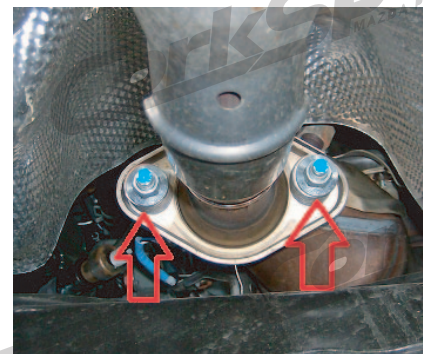



Figure 1D

Installation Instructions:

CorkSport Power Series 2011+ Mazda 2 Exhaust

3: Installation of the CorkSport Exhaust

A) If you are installing the exhaust without the racepipe, you will need to cut your stock exhaust. **Figure 2A** shows where you will need to cut the exhaust. Measure about one (1) inch back from the large weld bead on the catalytic converter and make a mark. Using a pipe cutter or saw, carefully cut the stock exhaust at the mark.

 Note: Be sure to measure twice and cut once. You can always cut more off. Take your time on this step.

B) Install the racepipe (or stock exhaust section if you cut your exhaust in the previous step) by placing the flanged end with the 2-bolt flange up to the header. Then install the stock flange springs on to the included two (2) 70mm bolts and washers and hand thread them into the header. The hardware stackup is shown by the **red arrows** in **Figure 2B**.

 Note: If installing the racepipe, it is for off-road use only.

C) Install the muffler section of the CorkSport Exhaust by inserting the two (2) hanger posts into the rear most stock rubber hangers in the rear of the vehicle as shown by the **red arrows** in **Figure 2C**.

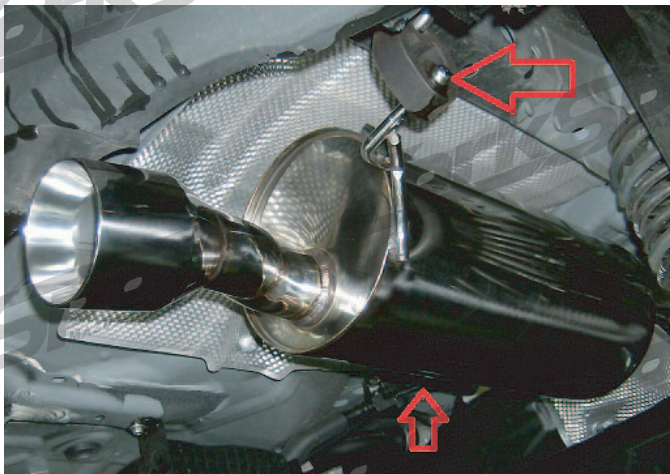


Figure 2C

E) Connect the rear of the midpipe to the muffler section. For the hardware stackup, you will use one (1) gasket and two (2) of the following: M6 bolt, washer, lock washer and nut (assembled unit shown in **Figure 2D**). Only hand tighten the hardware for now.

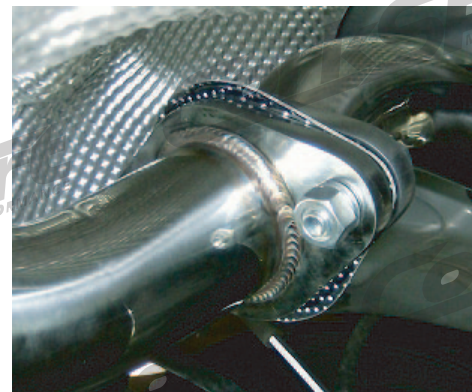


Figure 2D

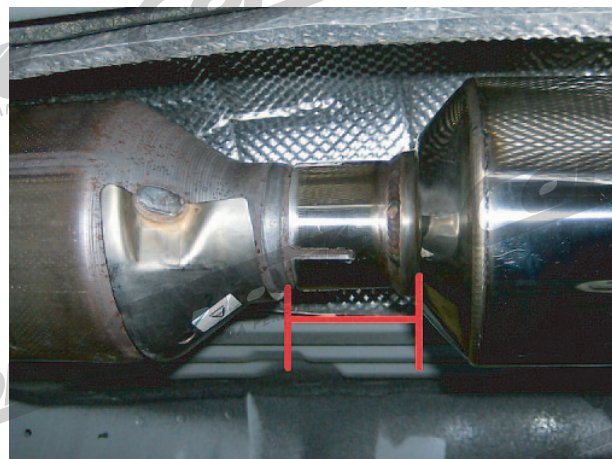


Figure 2A

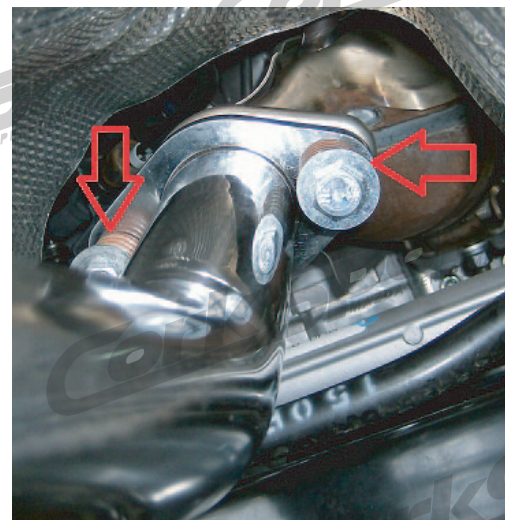


Figure 2B

D) Install the midpipe section of the exhaust in to the vehicle by inserting the one (1) hanger post in to the stock rubber hanger (shown by the **red arrow** in **Figure 1E**) and connecting the midpipe to the muffler section.

Installation Instructions: CorkSport Power Series 2011+ Mazda 2 Exhaust

3: Installation of the CorkSport Exhaust

F) Connect the front end of the midpipe section to the stock cat section (or racepipe) by sliding the midpipe slip fit section over the racepipe (shown in **Figure 2A**).

 Note: Be sure to put the slip fit clamp over the midpipe before inserting the racepipe.

G) Now that everything is loosely connected, start at the stock cat section of the exhaust and tighten all of the hardware to secure the exhaust. Tighten the two (2) racepipe bolts using a 17mm long socket and ratcheting wrench. There is no torque value, as these are spring loaded, but a rule of thumb is to leave a coil width between coils to allow the exhaust to adjust to engine movement.

H) Tighten the slip fit clamp over the front connection using a 5mm allen head (shown in **Figure 2F**). Torque both sides evenly to 25 ft lbs.

I) Using a 17mm end wrench and 17mm socket and torque wrench, tighten the bolts between the midpipe and muffler section to 25 ft lbs (connection shown in **Figure 2D**)

J) Start your car and check for exhaust leaks. If some are found, check the connection and re-tighten the bolts. Re-test.

K) Make sure all tools are picked up and lower the car to the ground and enjoy.

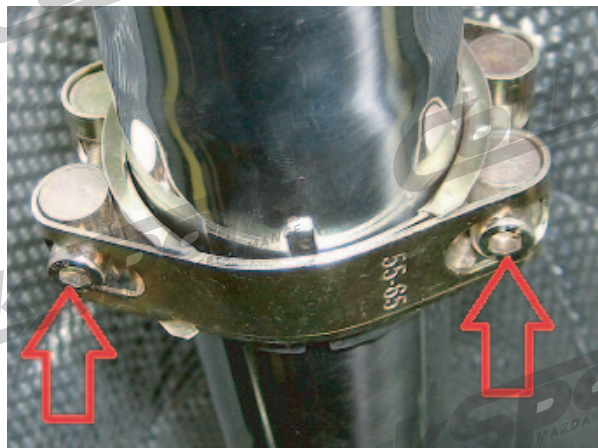


Figure 2F

4: What's Next For the Mazda 2?

Now that you added some parts to make the 2 a little quicker in a straight line, add some parts that will help your car out handle all of your friends at the autocross track. Our CorkSport Front Strut Tower Bar features a one piece bar design to help keep your front suspension planted to the ground on hard corners. Our Rear Strut Tower Bar features a black anodized bar, quick-release pins, and CNC machined mounting brackets for a perfect fit, with the added bonus of being able to remove the bar for more storage space.

