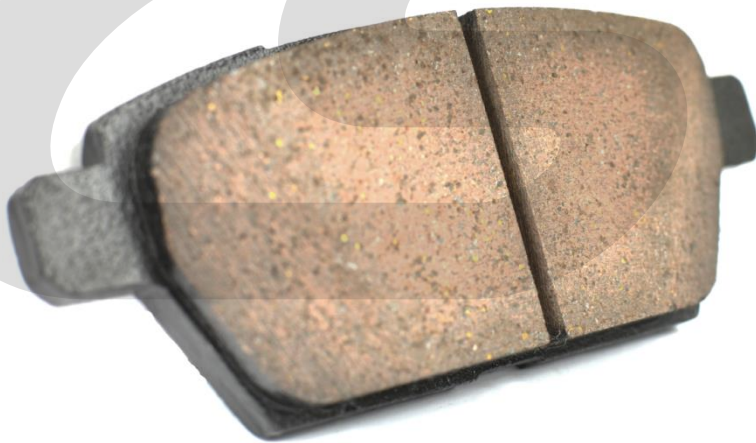


CorkSport Mazdaspeed 6 Rear Brake Pads

2007-2008 Mazdaspeed 6



Thank you for purchasing the CorkSport Rear Brake Pads for the Mazdaspeed 6. By upgrading your current brake pads to CorkSport performance brake pads, you will notice improved braking performance while maintaining a nice feel, low dust, and less brake fade than standard brake pads. Made from a proprietary semi-metallic and ceramic formula, the CorkSport brake pads have been thoroughly tested on the track and in all driving conditions and perform well in wet and dry weather. Please let us know your feedback today by submitting a review at <http://www.corksport.com/corksport-rear-brake-pads-for-mazdaspeed-3.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 a table of contents/order of operations along with step-by-step instructions.



These installation instructions were written using a 2007 Mazdaspeed 6. Other year Mazdaspeed6 models will be similar.

Materials and Time:



General Info.

Part #: GEN-3-429
Time Est: 1 hours
Wrench Rating: 2/5



Tooling List

12mm end wrench or socket
Bendix Caliper piston tool
3/8" Socket Wrench
21mm Lug Wrench
Jack and Jack-stands



Parts List

One (1) Set CorkSport Rear brake pads

Order of Operations & Table of Contents



Brake Disassembly

Section 1: Remove the Factory Rear Brake Pads.

Pg. 2-3



Brake Pad Install

Section 2: Install the CorkSport Rear Brake Pads.

Pg. 4-5



Burnishing

Section 3: Burnishing Your New Brake Pads.

Pg. 6

1. Remove the Factory Rear Brake Pads.



Before starting make sure you don't have the emergency brake engaged. You will not be allowed to reset the rear brakes if the parking brake is on.

- a) **Remove the cap off the brake fluid reservoir** located along the back of the fire wall under the hood.

- b) **Jack up and support the vehicle using factory jacking and jack stand points.** Refer to the owners manual for correct positions of jack and jack stands.



Always refer to the Floor Jack and Jack-stand 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.

- c) **Remove the driver's side wheel with a 21mm lug wrench.**



Before Moving on you should inspect your rotors and have them turned down to be smooth again or replaced if they are out of spec. This would also be a good time to upgrade to a performance rotor. Failure to resurface or replace worn parts will result in excessive pad wear.

- d) **Remove the upper 12mm bolt on the back of the caliper** (red arrow in Figure 1a).

- e) **Pull the caliper forward** (as shown in Figure 1b) exposing the brake pads.



Figure 1a

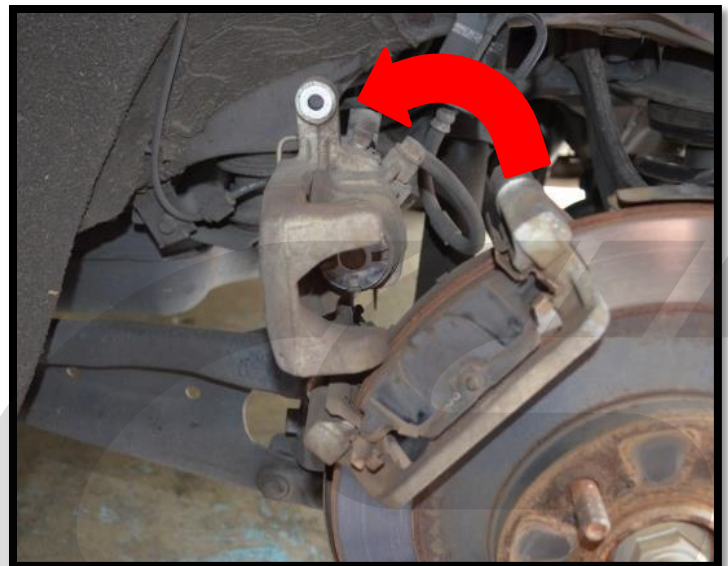


Figure 1b

1. Remove the Factory Rear Brake Pads Continued...

f) **Remove both the inner and outer brake pads from the brake caliper bracket** by sliding them out of the bracket by hand.

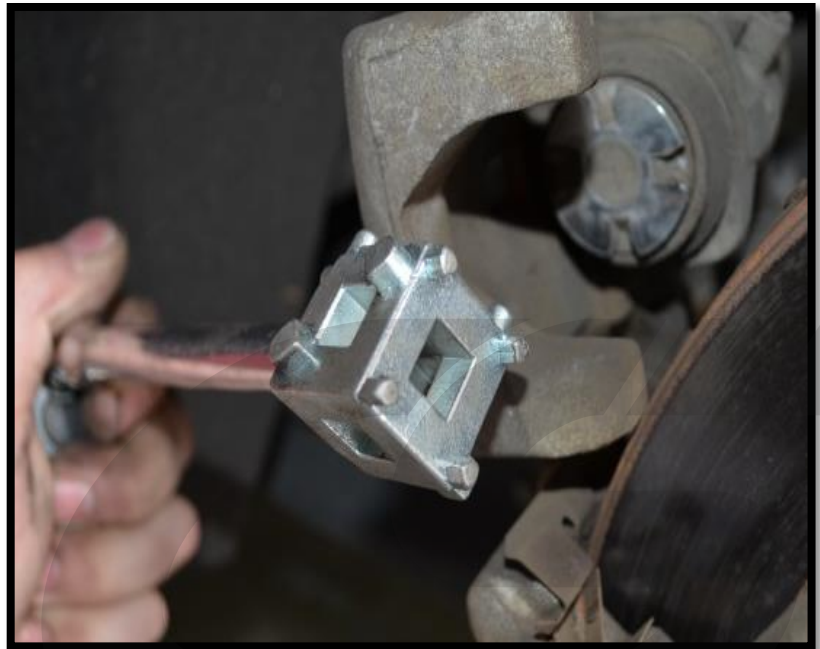


Figure 1c

g) **Use a Bendix Caliper Tool** (pictured in [Figure 1c](#) and [Figure 1d](#)) to **compress the piston fully inside of the caliper**. There are several versions of this tool available at any local parts store. ([Figure 2a](#) shows the piston fully compressed)



To compress the piston, insert the tool into the grooves that are machined into the piston face. Push the piston inward while twisting the piston clockwise simultaneously. Great care should be taken to ensure the piston dust boot does not tear during this process. The piston should twist independently inside of the boot. If it does not, using something that is NOT oil based like glass cleaner to clean the boot and piston and use as a lubricant should work well.

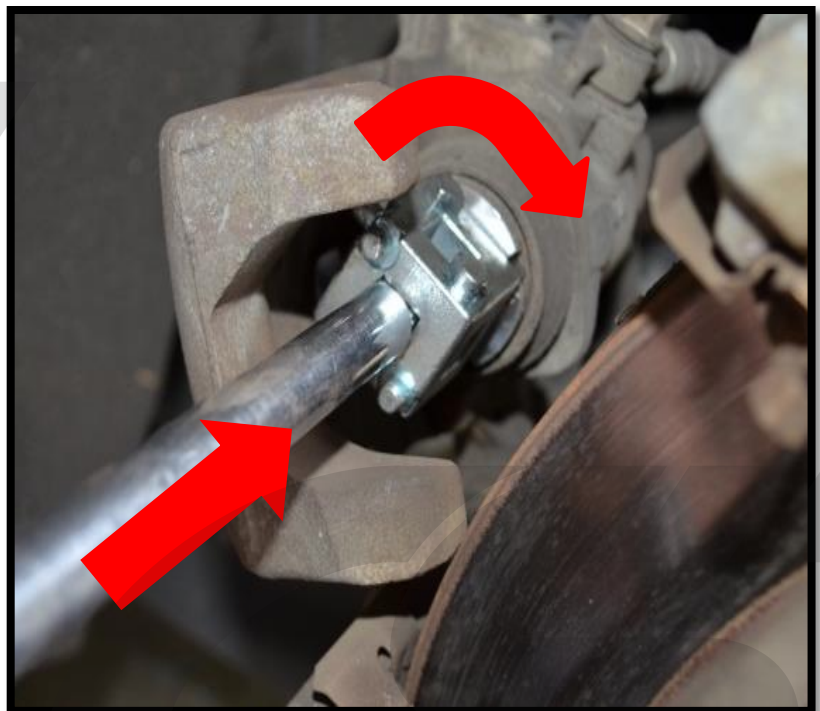


Figure 1d

2. Install the CorkSport Rear Brake Pads.

- a) Position one of the grooves in the piston cylinder so it faces downward toward the hub center (red circle in Figure 2a).



Figure 2a

- b) Transfer the backing shims from both the inner and outer worn brake pads to the new brake pads (inner brake pad shims shown in Figure 2b). The shims are required on the inner and outer pads for smooth and quiet braking operation.



Figure 2b

- c) Install the brake pads into the brake caliper bracket. The rough pad surface faces the rotor. Make sure the pads are fully seated against the rotor (outer pad with shim shown in Figure 2c).



Figure 2c

2. Install the CorkSport Rear Brake Pads.

d) Close the caliper back down onto the bracket. Verify that the pin protruding from the back of the inner brake pad aligns within the groove in the piston (red circles in Figures 2a and 2b).

e) Replace the 12mm bolt that attaches the brake caliper to the bracket and torque to 15ft lbs (Figure 2d).

f) Replace the wheel and torque the lug nuts to your wheel manufactures specifications.

g) Bring the car down from the jack stands.

h) Test drive and brandish your new CorkSport Rear Brake Pads.



Figure 2d



Warning! YOU WILL NOT HAVE BRAKES! Because you have spread the calipers fully open to allow for installation of new pads, you will have to pump the brake pedal to close the caliper cylinder back to the thickness (width) of the rotor. As you pump the pedal you should start to feel the pedal exert more force with each thrust, the force should feel back to normal within three or four pumps.

Remember to check your brake fluid level and put the cap back on.

3. Burnishing Your New Brake Pads.



While burnishing your brakes, never drag the brake pedal while accelerating.

- a) Find an open road and accelerate to 30mph.
- b) Brake evenly and smoothly until you are almost stopped then accelerate to 30mph again.
- c) Repeat steps 3a and 3b roughly 10 times.
- d) Accelerate to 45mph
- e) Brake evenly and smoothly but make these stops much harder. Brake until you are almost stopped then accelerate to 45mph again.
- f) Repeat steps 3d and 3e roughly 2-3 times
- g) Allow 15 minutes for system to cool. You are now ready to brake normally.



This completes the installation of your CorkSport Rear Brake Pads. Test drive the car, making sure there is no noise or uneven brake feel. Check out our [knowledgebase](#) for additional install information