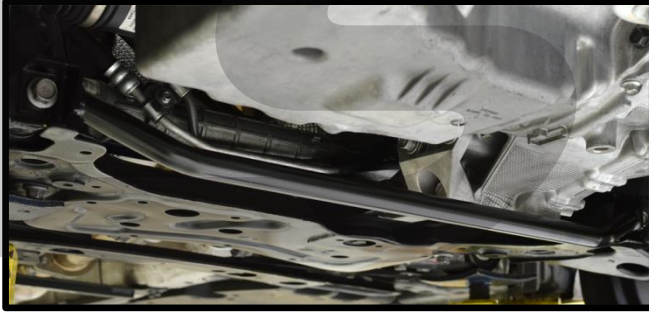


## CorkSport Lower Tie Bar 2007-2013 Mazdaspeed3



Thank you for purchasing the CorkSport Lower Tie Bar for your Mazdaspeed3. Track testing and racer approved, the lower tie bar adds strength to the front suspension sub-frame by connecting the front control arm pivot points. The added strength reduces torque steer, wheel hop, and unwanted suspension movement.

Please let us know your feedback by submitting a review today at:

<http://corksport.com/mazdaspeed-3-lower-tie-bar.html>

### Pre-Installation Notes:



**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 2009 Mazdaspeed3.** Other models and years will be similar.



**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.

### Materials and Time:



#### General Info.

**Part #:** AXL-3-026

**Time Est:** 30 min

**Wrench Rating:** 2/5



#### Tooling List

1/2" Ratchet

19mm Long Socket

Torque Wrench



#### Parts List

One (1) CorkSport Lower Tie Bar

Need Help With Your Installation?  
Call (360) 260-CORK

## Order of Operations & Table of Contents



### Installation

Section 1: Installation

Pg. 2

## Detailed Instructions

### 1. Installation

- a) Loosen the lower control arm bolts shown with the red circles in Figure 1a. It is unnecessary to fully remove the lower control arm bolts for this installation. Simply back them out until sufficient room is available to install the Lower Tie Bar.



Figure 1a



If your vehicle is equipped with the bracket shown in Figure 1b then follow the steps below with the spacers shown in Figure 1c.

If you do not have this bracket, then proceed to step 1c. Your product did not come with spacers.



Figure 1b



Figure 1c

## Detailed Instructions

### 1. Installation (continued)



Figure 1d

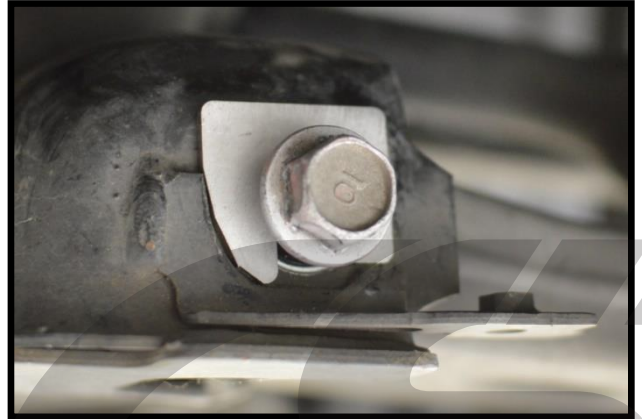


Figure 1e

- b) Install the spacer as shown in **Figure 1d & 1e**.
- c) Install the **CorkSport Lower Tie Bar** by sliding the tie bar ends all the way down in the slots in-between the frame and the lower control arm bolts. Torque the bolts (shown with the **red circles** in **Figure 1g**) to **96-110 ft-lbs** as per the factory manual.



Figure 1g



**Check ground clearance with vehicle on the ground.** The CorkSport Lower Tie Bar does not sit exceptionally lower than anything else on the vehicle, but it is good to check ground clearance after installation for your awareness.



This completes the installation of your CorkSport Lower Tie Bar. Let us know what you think online at [CorkSport.com](http://CorkSport.com)

## What's Next:

### CorkSport Rear Camber Arms



Fine tune your Mazda or Mazdaspeed to the appropriate camber setting needed to balance uneven tire wear and cornering performance with the CorkSport Rear Adjustable Camber Arms. Designed for precise camber tuning, the CorkSport Rear Adjustable Camber Arms offer +/- 5 degrees of adjustability along with cross camber adjustment, allowing drivers the ability to align their suspension to match their enthusiastic driving style on and off the track.

### CorkSport Front Swaybar w/Billet Brackets and 90A Polyurethane

Improve handling and maintain ride height and comfort, while minimizing body roll during cornering with the CorkSport Mazda 3 2010-2013 / Mazdaspeed 3 2010-2013 Front Sway Bar. Intended to compliment the CorkSport Rear Sway Bar, this is not adjustable by design. If you prefer more under or over steer, simply set the rear bar firmer or softer to match your driving style. Each swaybar includes machined 6061-T6 aluminum swaybar brackets which are more durable than the stamped steel design common with other swaybars and look sharp with an anodized black finish.



### CorkSport Rear Swaybar w/Billet Brackets and 90A Polyurethane



Remove the tendency to overpower the front tires under hard cornering and minimize traction robbing body lean with the CorkSport Mazdaspeed 3 Rear Adjustable Sway Bar. Compressing inside suspension, the CorkSport Mazdaspeed 3 Rear Sway Bar effectively increases the spring rate on side of the suspension which is compressed most and its adjustability allows you to fine tune the handling. Each Mazdaspeed 3 swaybar includes machined 6061-T6 aluminum swaybar brackets which are more durable than the stamped steel design common with other swaybars and look sharp with an anodized black finish.