

## CorkSport Lower Arm Bar

Mazdaspeed 3 and Mazda 3



Thank you for purchasing the **CorkSport Front Lower Arm Bar for the Mazdaspeed 3**. This easy to install piece will tie the front control arms of the vehicle together to increase chassis rigidity and minimize flex. Adding the lower arm bar will provide for improved steering control and help you to maintain alignment on your vehicle. We hope you enjoy your new CorkSport Mazdaspeed 3 Lower Arm Bar. Please let us know your feedback by submitting a review at <http://www.corksport.com/corksport-mazdaspeed-3-lower-arm-brace.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



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

### Materials and Time:



#### General Info.

Part #: Ax1-3-025  
Time Est: 0.5 hours  
Wrench Rating: 2/5



#### Tooling List

19mm socket  
1/2" Drive Ratchet  
Torque Wrench



#### Parts List

One (1) CorkSport Lower Arm Bar

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

## Detailed Instructions

These installation instructions were made for a 2010 Mazdaspeed 3. Other year Mazda 3 and Mazdaspeed 3 models will be similar.

### 1. Install The CorkSport Lower Arm Bar

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

Always refer to the floor jack and jack stand manufactures 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.

b) Locate and loosen the front control arm bolts just enough to slide the CorkSport Lower Arm Bar into place. Figure 1a shows one of the two bolts that need to be loosened and how the bar will sit when you slide it in place. Figure 1c also shows the bar and the two bolt locations circled in red.

c) Position the CorkSport Lower Arm Bar into place. Start by sliding the drivers side onto the bolt first then the passenger side. The bar will hit the transmission if you do this in the opposite order. Figure 1b shows the position relative to the transmission. The clearance is tight here so make sure the bar is seated all the way down to the bolts.

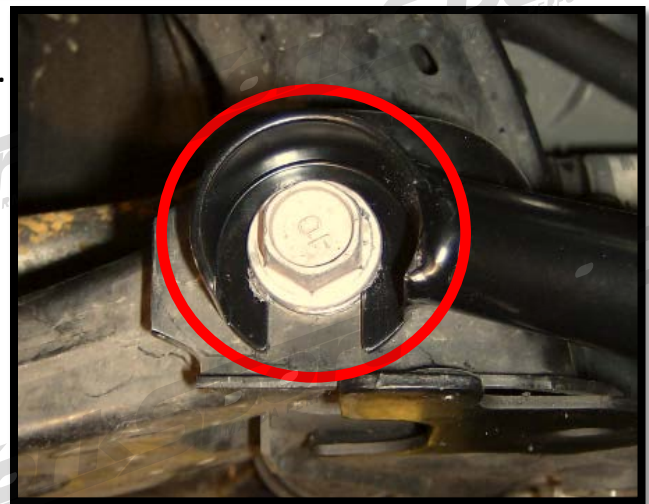


Figure 1a

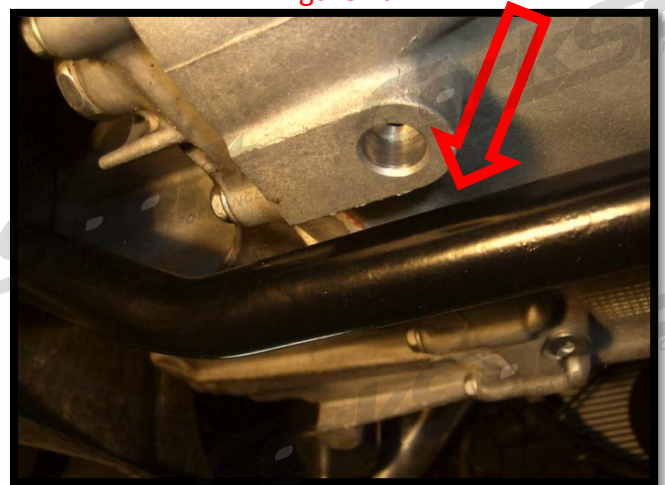


Figure 1b

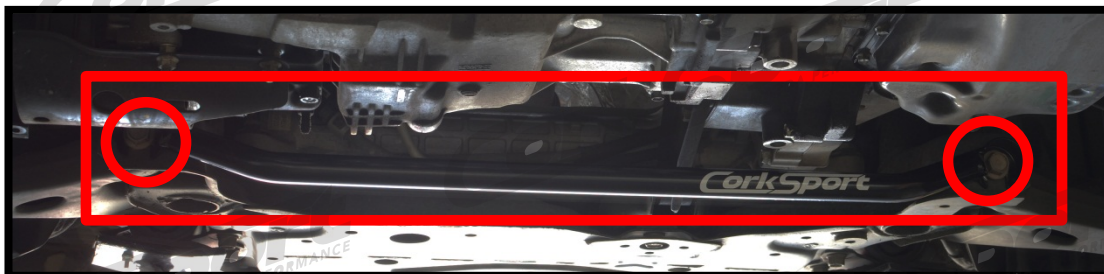


Figure 1c

d) Torque Control arm bolts down to 96-110ft.lbs. Figure 1d shows the location and the torque from the factory service manual. Make sure to hold the bar while torquing so the bar doesn't raise or reposition itself. This can be made easier by tightening left and right control arm bolts slightly until you reach full torque.

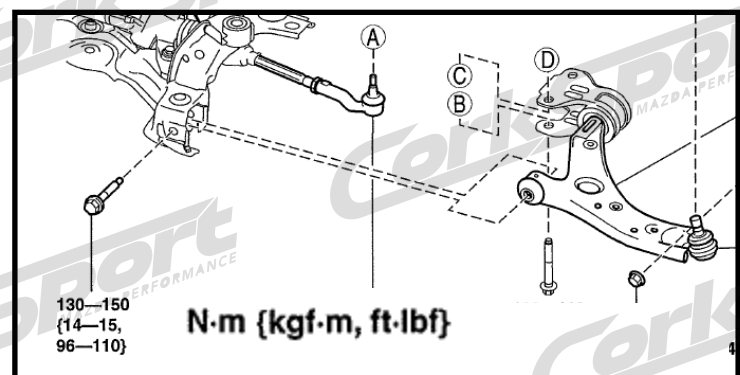


Figure 1d

This completes the installation of your CorkSport Lower Arm Bar. Lower the car of the jack stands and take the car for a drive. Listen for unusual sounds. If you hear anything check the torque and position of the bar.

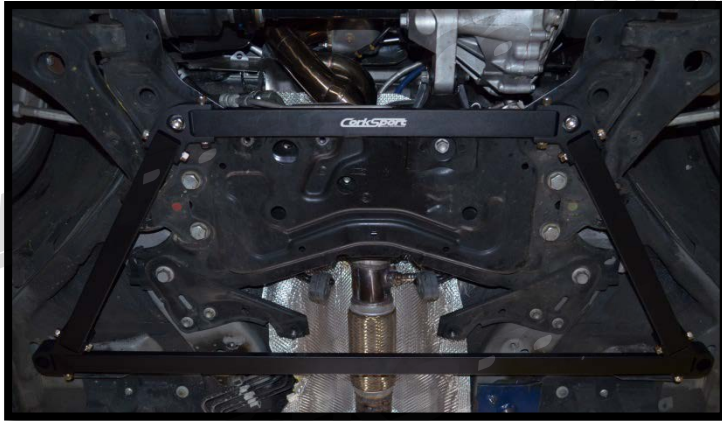
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## What's Next:

### [CorkSport Mazdaspeed 3 and Mazda 3 Underbody 4-Brace Set for](#)



Reduce undesirable chassis flex and increase control during hard cornering and acceleration with the CorkSport Mazdaspeed 3 and Mazda 3 underbody 4-bar brace set. An often overlooked performance enhancement, especially on vehicles with lots of modifications, reinforcing the chassis with an underbrace set will reduce twisting of the chassis by linking the frame to the sub-frame thus locking the front sub-frame in place.

### [CorkSport 2010+ Mazdaspeed 3 Front Swaybar](#)

Improve handling and maintain ride height and comfort, while minimizing body roll during cornering with the CorkSport 2010+ Mazdaspeed 3 Front Sway Bar. Designed with the rear sway bar in mind, the increased bar diameter has been engineered to match the middle setting on our rear 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.



### [CorkSport Mazda 3/Mazdaspeed 3 Rear Chassis Brace Set](#)



Reduce chassis flex and get a 12% improvement in rear end deflection with the CorkSport Rear Chassis Brace Set. This direct bolt-on part for the MazdaSpeed 3 is a four bar kit that will increase stiffness in the rear end by tying load points together. The top bar includes quick release pins to allow for easy removal and reinstallation of the bar and the powder coated .25" steel brackets that mount to factory locations on the side of your cargo area and are completely hidden behind the trunk carpet except for the bar mounting holes