

# CorkSport Performance

## GEN-3-315-213-10 Adjustable End Links

Installation Instructions for the CorkSport Performance Adjustable Front End Links for 2019+ Mazda 3/CX-30/CX-50.

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## INTRODUCTION

In this installation guide we have provided step by step instructions to remove the OEM front end links and install the CorkSport Performance Adjustable End Links.

### Advisory:

- Working under the vehicle requires a safe and sturdy location for the vehicle to sit on jackstands.

### TOOLS:

- Hydraulic Jack (1)
- Jack Stand (4)
- 3/8" Drive Ratchet (1)
- 1/2" Drive Breaker Bar (1)
- 1/2" Torque Wrench (1)
- 21mm Socket - Deep (1)
- 14mm Socket - Deep (1)
- Wrench, 17mm (1)
- Wrench, 16mm or 5/8" (1)
- Wrench, 14mm (1)
- 5mm Allen Key Socket (1)
- Gloves (1)

### PARTS:

- CorkSport AXO Front Adjustable End Links (2)

## Step 1 — Getting Started



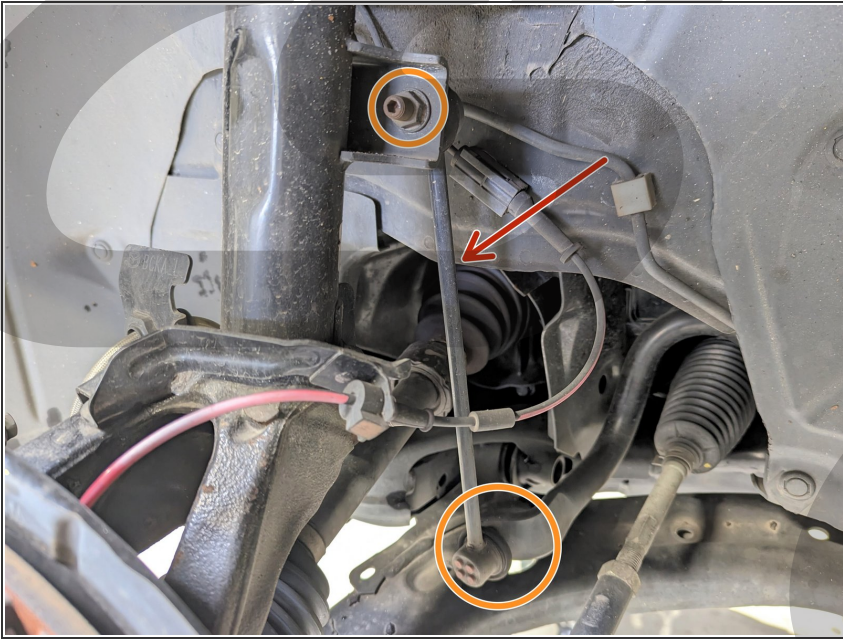
- First and foremost; **THANK YOU** for becoming a part of the CorkSport Family. We hope to bring you the highest level of Parts, Customer Service, & Support
- ① How To Use These Instructions
  - The instruction format will relate colored marking in the image to the color dot in the text to the right of the image
- ① The vehicle used in these instructions was a 2019 Mazda 3. Other years will be similar.

## Step 2 — Lifting the Car & Removing the Front Wheel



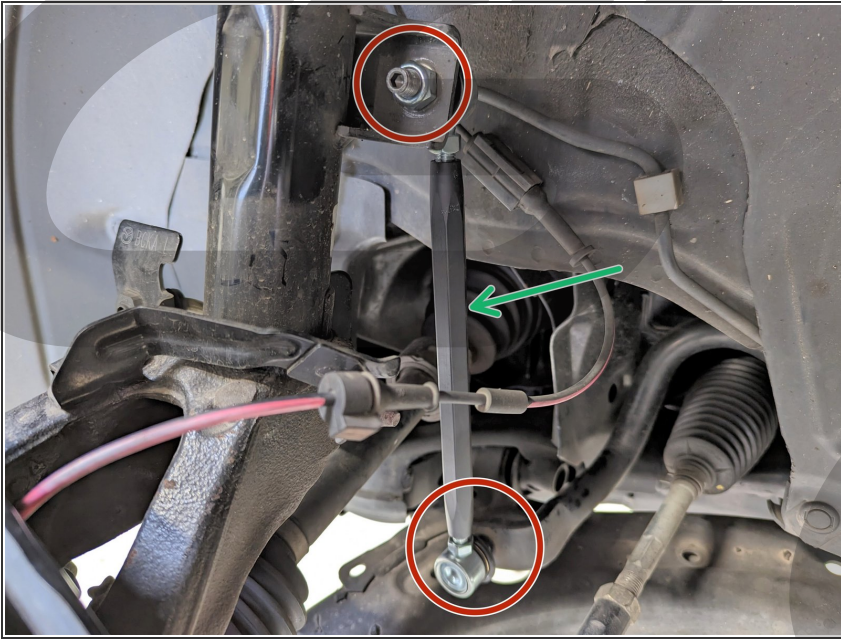
- ⚠ Ensure the vehicle is parked on a level surface before proceeding.
- Start by lifting up the front of the car using the hydraulic jack and jack stands.
- ⚠ Be sure to reference your owners manual for jack points and the jack manufacturer's instructions for proper practices.
- Remove the driver's side (left hand side) front wheel from the vehicle using the 1/2" drive breaker bar or impact gun and 19mm or 21mm socket.
- ⓘ A different socket may be required if you have aftermarket or locking lug nuts.

### Step 3 — Remove the Factory End Link



- Locate the front end link
- Using a 14mm socket and ratchet remove the 2 nuts holding the end link to the sway bar and strut
- ⓘ If the nut and the end link spin together take a 5mm Allen wrench and 14mm wrench to loosen the nut. Use of a penetrating oil such as WD-40 may help

## Step 4 — End Link Installation - Part 1



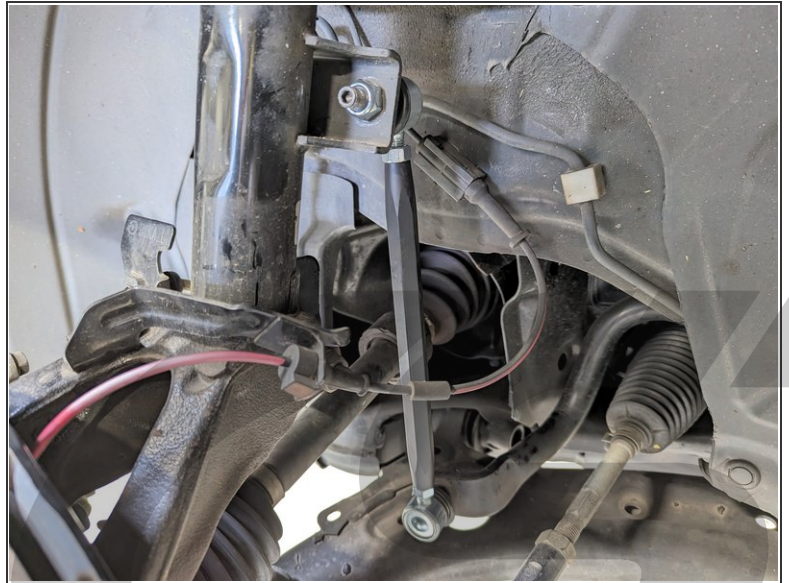
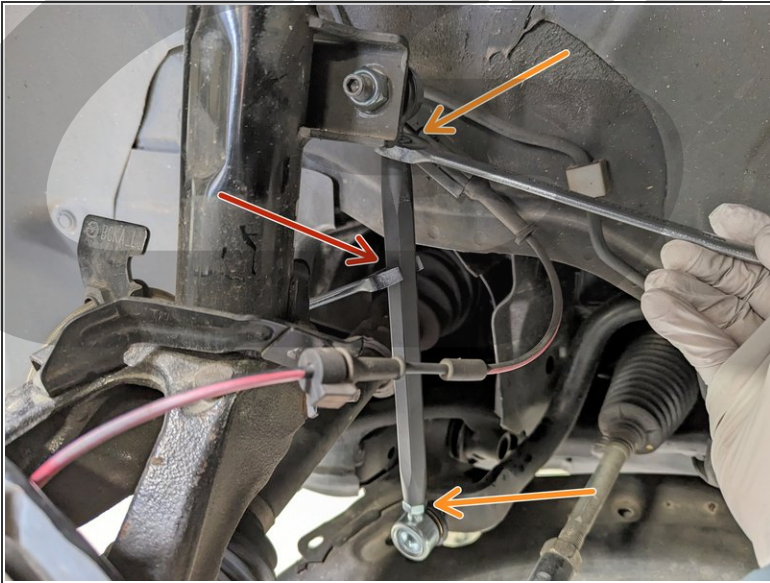
- The end links will come in the shortest configuration.
- To adjust the length of the end link, rotate the center section. When doing so ensure that both ball joint ends are held stationary and are not allowed to rotate. This ensures that the adjustment is kept even on both sides
- **RECOMMENDED LENGTH:** If you want to match the factory end link length, rotate the center section 3 turns from the shortest position

**⚠** If you want to adjust the end link to a different length, make sure to not unscrew the center section more than 6 turns from the shortest configuration. This is to maintain a minimum of 6 turns of thread engagement in the center section

- Install the ends of the link into both the sway bar and strut and tighten the 17mm nut to **35-40 ft-lbs**.

**i** If the nut and the end link spin together, take a 5mm Allen wrench and 17mm wrench to hold the stud while tightening the nut.

## Step 5 — End Link Installation - Part 2



- Hold the center section of the end link stationary with a 16mm or 5/8in wrench
- Tighten both jams nut with the 14mm wrench until they are tight

## Step 6 — Passenger's Side Front Adjustable End Link Installation



- Repeat steps 2-5 on the passenger's side front (right hand side) of the vehicle

## Step 7 — Reinstall the Wheels



- Torque your wheels in a star pattern to **80-90 ft-lbs** using a 19mm or 21mm socket and torque wrench

## Step 8 — Installation Complete



- This completes your installation of the CorkSport Performance Adjustable End Links!
- Take your car for a test drive and after ~20 miles check the jam nuts to ensure they remain tight.
- Contact us with any questions or concerns at [sales@corksport.com](mailto:sales@corksport.com) or (360) 260-2675.
- Please leave a review here: <https://corksport.com>
- Share your experience using #CorkSport on Instagram, Facebook, and Twitter.