

E9X non-M Motorsport Adjustable Front End Links

Designed to improve handling, road feel, and steering response, 034Motorsport's Billet Adjustable Front Sway Bar End Links allow for uncompromised transfer of suspension movement to the sway bar. These end links are also length adjustable to allow for lowered vehicles to maintain proper preload on the sway bar.

## Installation Spiciness Rating: MILD



Installation of your 034Motorsport Billet Adjustable Front End links is a straightforward process that will take approximately 1 hour to complete.

**Supplied Parts:**

- (2x) 034 Billet End Links
- (2x) Left-hand thread spherical heim joints with jam nuts
- (2x) Right-hand thread spherical heim joints with jam nuts
- (4x) M10x55mm Bolts
- (4x) M10 Washers
- (4x) M10 Nyloc nuts
- (2x) packets of anti-seize

**Tools Needed:**

- (2x) 19mm Wrenches
- 17mm Wrench
- 16mm Socket
- 5mm Allen
- Torque Wrench

Getting Started

Confirm you have received all the parts included with your purchase by reading the complete guide, if there are missing components, please contact:

[customerservice@034motorsport.com](mailto:customerservice@034motorsport.com)

#### About This Guide

This Install Guide documents the installation process on a E90 BMW 330i. There may be minor differences depending on specific vehicle, market, options, etc.

#### Assembly Steps

##### Step 1

Open hardware packages.



##### Step 2

Apply half packet of anti-seize to spherical heim joint.



##### Step 3

Run the jam nut down the shaft to disperse the anti-seize along the entire threaded portion.



##### Step 4

Install the right-hand thread into the cylindrical side of the end link. Install the left-hand thread into the hexagonal side of the end link. Leave about 4 threads exposed for both.



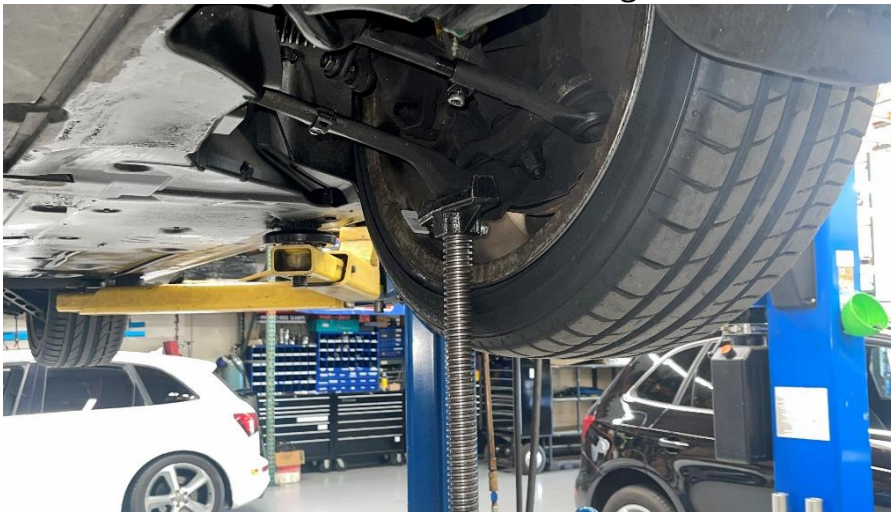
You are now ready to start the installation process.

**Install Steps****Step 1**

Lift the car to access the front suspension.

**Step 2**

Put pole jacks under the front, lower, rear control arms, to simulate the car at ride height.

**Step 3**

Using a 16mm socket and 17mm wrench, remove the nut securing the endlink to the front sway bar.

**Step 4**

Using a 16mm socket and 17mm wrench, remove the nut securing the endlink to the strut housing.



**Step 5**

Extract the factory endlink from the car.

**Step 6**

Use the length of the stock component as a starting point for the length of the 034 adjustable end links; expand or compress as best fits your needs. (Dynamic+ links shown)

**Step 7**

Use (2x) 19mm wrenches to lock the jam nuts at the desired length. (Dynamic+ links shown)

**Step 8**

After adding the spacers to each side of the spherical bushing, install the 034 endlink into the factory location.



**Step 9**

Secure the end links with the provided nyloc nuts. Sandwich the washer between the mounting tab and the nut.

**Step 10**

Tighten the nut with a 17mm wrench and 17mm socket.

**Step 11**

Torque all the nuts to **42Nm**.



\*If you did not use pole jacks to simulate static ride-height, drop the car down to torque the hardware.

**Step 12**

You are done! Enjoy.

