DINAN

REAR SUSPENSION LINK KIT
INSTALLATION INSTRUCTIONS

PART NUMBER D280-0020

APPLICATION: 2018-19 F90 M5

Congratulations for being selective enough to use a Dinan Rear Suspension Link Kit. We have spent many hours developing this kit to assure that you will receive maximum performance and durability with minimum difficulty in installation. Please take the time to read these instructions and call us if you have any difficulties during the installation.

USE SECURE JACK STANDS. DO NOT WORK ON VEHICLE SUPPORTED BY A JACK ONLY.

PARTS LIST

Qty	Part #	Description
2	D283-0032	Trailing Arm Assembly
1	D283-0033	Toe Link Assembly; Left
1	D283-0034	Toe Link Assembly; Right

The below images show the final installed Dinan rear suspension links. The left image resembles the left side of the car and the right image resembles the right side of the car.

Please follow the below instructions to ensure proper installation.

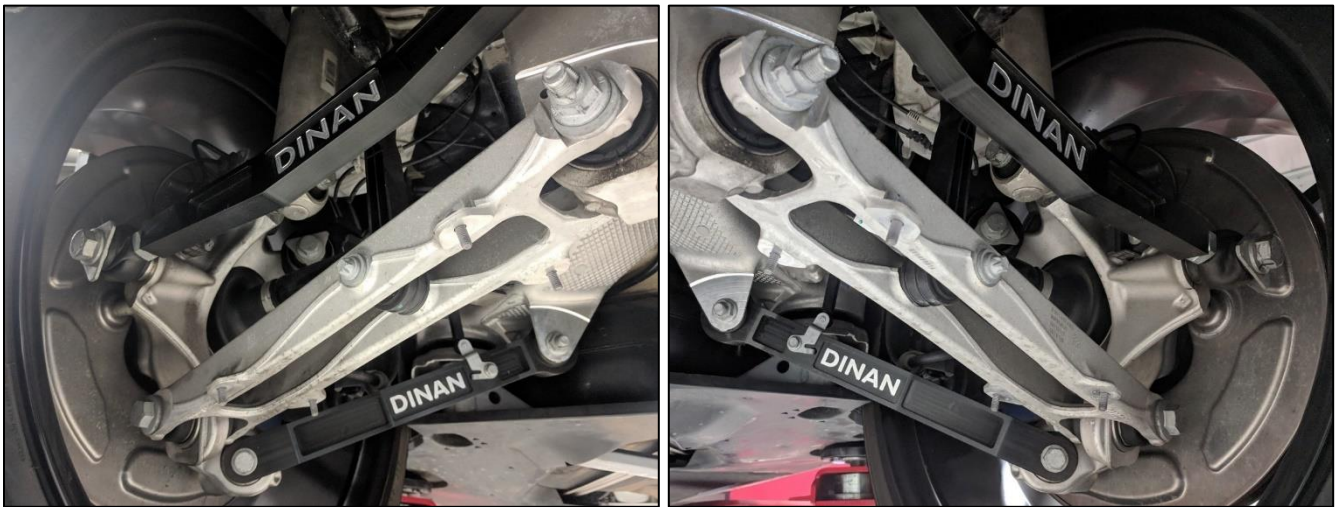

Figure 1: Rear Left Suspension Links (LEFT) and Rear Right Suspensions Links (Right)

Remove rear wheels. This is necessary for factory bolt removal.

1. TOE LINK INSTALLATION

THESE TWO ASSEMBLIES HAVE BEEN PRESET TO THE CORRECT LENGTH AND ARE NEVER TO BE ADJUSTED!

1.1. Remove both toe links per BMW recommended procedure.

1.2. Locate the two Dinan toe link assemblies. ALTHOUGH THESE PARTS SEEM IDENTICAL, THERE IS A LEFT SIDE AND RIGHT SIDE AND SHOULD BE INSTALLED ACCORDINGLY.

- These toe links are pre-assembled with (2) 12mm spacers on one end, and (2) larger 14mm spacers on the other end.
- The end with the 12mm spacers belongs at the front attachment at the subframe.
- The end with the 14mm spacers, one of which has a chamfer, belongs at the rear attachment at the wheel carrier.

Figure 2: Chamfer location for Toe Link

1.3. Referring to Figure 2: Ensure that the chamfered spacer properly seats in the recessed chamfer of the vehicle wheel carrier. This is to be repeated on the opposite side of the vehicle. Once installed, both toe links shall have same orientation as Figure 1.

1.4. Re-install hardware per BMW recommendations and torque bolts.

- M12 → 75 ft-lb (100 Nm)
- M14 → 120 ft-lb (165 Nm)

2. TRAILING ARM INSTALLATION

2.1. Remove the stock rear trailing arms by removing mounting bolts. Unscrew the ride height sensor bolt. Save bolt for re-install. Discard nut only.

2.2. Locate the (2) Dinan trailing arm assembly.

- The end with the monoball belongs at the inboard attachment at the subframe.
- The end with the fork belongs at the outboard attachment of the wheel carrier.

2.3. During installation, take note that the brake line bracket may come in contact with the trailing arm. This will only occur under full droop conditions. Adjust or reposition the bracket if necessary. See Figure 3 below.

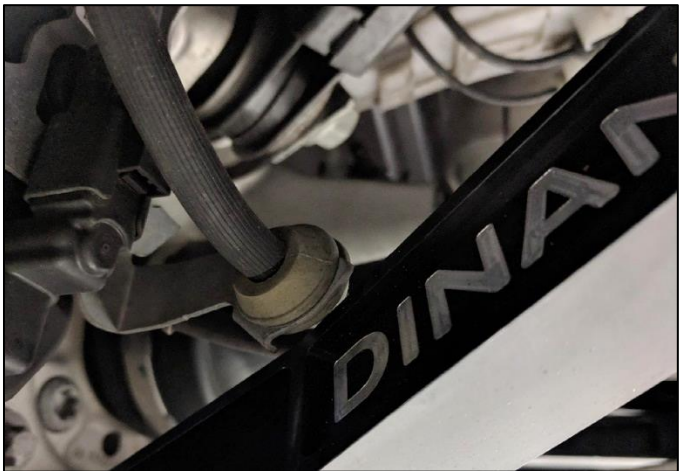

Figure 3: Brake Line Position

2.4. Using thread locker on the stock bolt, reattach the ride height sensor to the trailing arm as shown in Figure 4 below. Repeat for both sides of vehicle.

Figure 4: Ride Height Sensor Installed

2.5. Re-install hardware per BMW recommendations and torque bolts.

- M12 (both ends) → 75 ft-lb (100 Nm)
- M6 (ride height sensor) → 6 ft-lb (8 Nm)

3. Re-install rear wheels and perform an alignment per BMW procedures.

4. ENJOY!