



# Installation Instructions

## Rear Anti-Sway Bar

51334

BMW 3 Series F30 / F31  
4 Series F32 / F33

**Thank You!**

**You were selective enough to choose a ST Suspensions product. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.**

- Note: Confirm that all of the hardware listed in the parts list is in the kit. **Do not** begin installation if any part is missing. Read the instructions thoroughly before beginning this installation. OE is an abbreviation for Original Equipment.
- Warning:** **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.
- Warning:** **DO NOT** drive vehicle until all work has been completed and checked. Torque all hardware to values specified.
- Reminder: Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!
- Note: It is very helpful to have an assistant available during installation.

**RECOMMENDED TOOLS:**

- Properly rated floor jack, support stands, and wheel chocks
- Combination wrench set
- Socket wrench set
- E-Socket wrench set
- Torx Key Set
- Safety Glasses

<b>Vehicle Type</b>	<b>BMW:</b> 3 Series F30 / F31 4 Series F32 / F33
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**PARTS LIST**

Quantity	Description	Part No.
1	Rear Sway Bar	51334-300

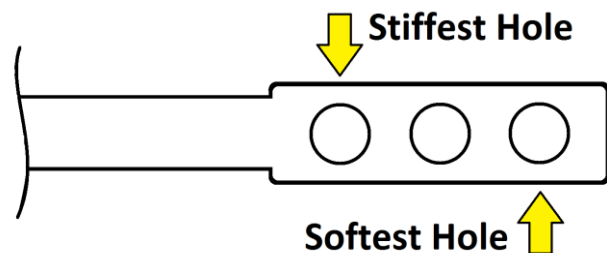
Quantity	Description	Part No.	Kit No.
2	Bushing brackets	114020	51334-777
2	Pivot bushings	113195	
4	Flat Washer	112510	

## 1) PREPERATION

1. Park the vehicle on a smooth, level concrete surface and activate the parking brake. Block the wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1<sup>st</sup> gear (manual) or "Park" (automatic). Block the front wheels for rear sway bar installation or block the rear wheels for front sway bar installation.
2. Using a properly rated floor jack, lift the one end of the vehicle off the ground that you will be performing the installation on. Place support stands, rated for the vehicle's weight, and in the factory specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.
3. It is very important that the vehicle is properly supported during this installation to prevent personal injury and chassis damage! Make sure that the supports stands are properly placed prior to performing the following procedures.
4. Slowly lower the vehicle onto the stands and, before placing the vehicle's entire weight on them, again check that they properly and securely contact the chassis as described above. Check for possible interference with any lines, wires, cables, or other easily damaged components.

## 2) FRONT INSTALLATION

1. Remove the original sway bar per manufacture suggested repair / removal procedure.
2. Install the ST sway bar in the original location on the vehicle. Select the hole on the sway bar for the end link. We suggest starting with the softest hole setting, which is still stiffer than the original sway bar. See diagram.
3. Install the end link onto the ST sway bar. Reinstall in reverse order from step 1. Torque all fasteners to OE specification. The new bushing requires no additional grease or lubrication.
- 4.



## 3) FINALIZATION

1. Go over the entire installation procedure and make sure all appropriate hardware is properly tight & torqued to OE specification. Install the wheels and lower the vehicle to the ground.
2. Check brake hoses, steering and other components for any possible interference.
3. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.
4. Test drive your vehicle carefully to become familiar to the change in handling.

Thank you for your purchase of ST sway bars!

