



DINAN

**DINAN ENGINEERING
REAR SHOCK ABSORBER
INSTALLATION INSTRUCTIONS**

PART NUMBER DI40-0930, DI40-0940

APPLICATION: 1996-00 528i
2001-03 525i, 530i
1997-03 540i
2000-03 M5

Congratulations for being selective enough to use a Dinan Engineering shock absorber. We have spent many hours developing our suspension components to assure that you will receive maximum performance and durability with minimum difficulty in installation. Please take the time to read these notes and call us if you have any difficulties during the installation.

- DO NOT WORK ON VEHICLES SUPPORTED BY A JACK ONLY. USE SECURE JACK STANDS!
- The shock has already been preset to Dinan's recommended setting for this application. If further adjustment is necessary, please refer to the separate Koni instructions for the adjustment procedure.
- There are three spring perch settings on the shock body. Before installing the rear springs, you need to select the proper starting location for the perch:
 - a) For a 528i, 525i, 530i, or 540i, use the lower groove.
 - b) For a M5, use the middle groove.
 - c) Remove the snap ring on the Dinan shock and slide it into the proper groove indicated above.
 - d) **IMPORTANT:** Spin the snap ring in its groove to remove all the paint and allow it to fully seat into the groove.
 - e) Slide the locking collar over the snap ring and verify that the ring is "captivated" by the machined step under the locking collar. This step in the collar prevents the snap ring from coming out of its groove. For obvious reasons, it is critical that the snap ring remain in the groove
- After assembling the shock on the bench, the springs may not be captivated between the perches. This is not a problem, as the shock assembly must be compressed when it is installed in the vehicle. The springs will not be loose once the shock is installed.
- After test drive, adjust rear ride height as necessary for proper vehicle rake