



CAMBER PLATE KIT INSTALLATION INSTRUCTIONS

PART NUMBER D160-0004

APPLICATION: E82 & E88 1-series (not for 1-M Coupe)
E90, E92, & E93 3-series (not for M3)

PARTS LIST

Qty	Part Number	Description
1	D163-0381	Camber Plate Assembly; Left
1	D163-0382	Camber Plate Assembly; Right
6	M8 Nylock	M8 Nylock Nuts
6	D211-0102	M8 X 20 Flat Head Cap Screw

Thank you for purchasing camber plates from Dinan Engineering. Great care has been spent developing this product to assure that you will receive maximum performance and ease of installation. Please take time to read these instructions. We make every effort to ensure that Dinan products are of the highest quality and want to hear if you have any problems.



Warnings and notes



- Never work on vehicles supported by a jack only. Use secure jack stands!
- Be sure that the camber plates are installed in the correct orientation. Incorrect installation has severe negative impact on wheel alignment and vehicle handling.
- L and R refer to left and right side of the vehicle respectively when seated in the driver's seat and facing the front of the vehicle.

Installation Instructions

- I. The camber plates are installed between the body and the guide support (bearing hat). If the Camber Plates are being installed with a suspension system, you will perform these steps prior to reassembling the struts.

2. Follow BMW's recommended procedure for remove the strut assemblies from the vehicle. Some vehicles are equipped with a 1/8" thick steel disc between the guide supports and the car – this spacer disc is not used with the Dinan camber plates, and may be discarded.
3. Carefully pound out the studs from the guide supports with a hammer and punch. Discard these studs. There is an alignment pin in the guide support that must be removed. An allen wrench can be used to unscrew it. Often the allen will strip and the alignment pins will have to be drilled out.
4. The Dinan camber plates have been engraved with "L" or "R", to denote left and right side respectively when seated in the driver's seat and facing the front of the vehicle. When properly installed, the engraved letters will be inwards, towards the engine, and the arrows will point forward.
5. Place the left-side (i.e., driver's side) camber plate on the left strut. Line up the holes, and use the supplied 8mm flat head Allen bolts and nuts to attach Dinan camber plate to stock bearing plate. Torque nuts to 18 ft-lbs.
6. Repeat previous step with the assembled right-side bearing plate and right strut.
7. When properly installed:
 - The top of the struts offset toward the center line of the vehicle.
 - The engraved letters will also be inwards and towards the engine.
 - The arrows will point forward.Confirm that you have the proper plates on the proper side of the vehicle, and securely bolt strut assemblies to vehicle (see note below).

Note:

- If vehicle is equipped with a Dinan Strut Tower Brace, use the nuts supplied with the brace and discard the stock flanged-locknuts.
 - If vehicle is not equipped with a Dinan Strut Tower Brace, then reuse the stock flanged-locknuts to attach strut assemblies to vehicle.
 - Torque nuts to 18 ft-lbs.
8. **Wheel alignment:** Toe & camber adjustment will be required after Dinan Camber Plates are installed.