



LOWER CONTROL ARM MONOBALL KIT INSTALLATION INSTRUCTIONS

PART NUMBER D280-0014

APPLICATION: 2014-15 228i, M235i (F22)
2013-15 320i (F30)
2012-15 328i, 335i (F30)
2014-15 428i, 435i (F32)
2014-15 428i, 435i convertible (F33)
2014-15 428i, 435i Gran Coupe (F36)
NOT FOR xDRIVE VEHICLES

PARTS LIST

Qty	Part #	Description
2	D283-0021	Monoball & Carrier Assy
1	D281-0003	Loctite 609 Compound
2	D282-0027	Retaining Caps
10	D671-0619	M6x40 Stainless Screws
2	D282-0036	Bearing Spacer A (long)
2	D282-0037	Bearing Spacer B (short)

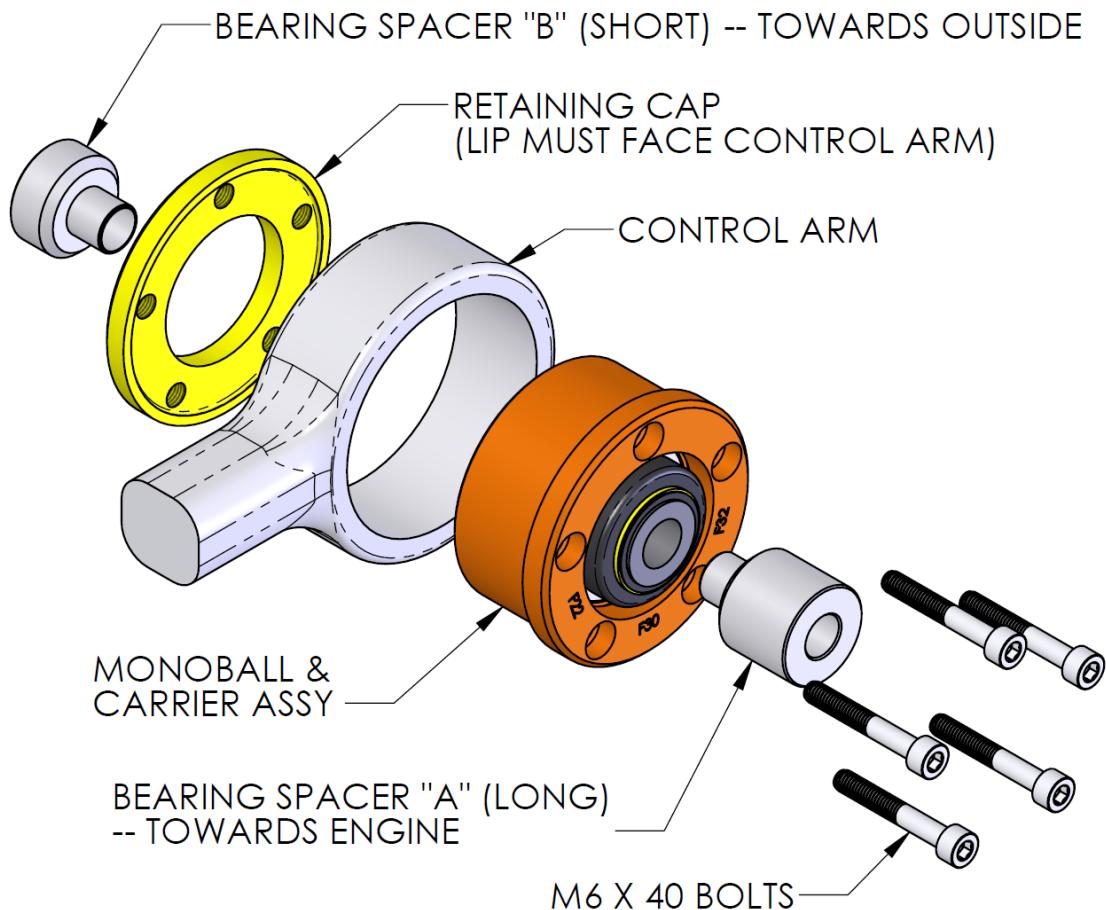
Congratulations for being selective enough to use a Dinan Engineering Monoball Kit. We have spent many hours developing this kit to assure that you will receive maximum performance and durability with minimum difficulty in installation. Please take the time to read these instructions and call us if you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

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

INSTALLATION:

1. Remove the front Tension-Compression Arms, and press out the stock rubber bushing per BMW recommended procedure.
2. Clean out the bore with some soap and scotch-brite. The bore needs to be very clean and dry.
3. Apply some Loctite 609 Retaining Compound (included in kit) to the outer bore of the Dinan monoball carrier. Use enough to cover most of the surface.

- See figure below. Slide the carrier into the bore in the arm with a slight turning motion to further spread the Loctite around. It does not matter from which side of the arm you install the carrier, but it is preferred if both sides of the car were the same.



- Install the Dinan retaining cap onto the arm (the lip must face the control arm as shown). Put a small amount of Loctite on the M6x40 bolts and torque to 95 inch-pounds to secure the retaining cap.
- Install the Dinan silver bearing spacers as shown. **Note -- the longer spacer must point towards the engine!**
- Install the arms to the car using the stock bolts & nuts (replace as necessary).
- Torque the bolts per BMW recommended procedure. **NOTE: The monoball bolts must also be angle torqued per BMW specification!**
- Enjoy!