



INSTALLATION INSTRUCTIONS

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G8X M2/M3/M4 Monoball Kit

**CARBAHN PART #:
CBG8X-3101/CBG8X-3107**



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CBG8X-3107/CBG8X-3101 Mono-Ball Kit G8X M3/M4

These instructions assume that the person installing these parts is a BMW CERTIFIED MECHANIC and there are NOT step by step instructions on how to disassemble and reassemble the car!

1. Step one of installing this kit will require you to follow factory BMW procedures for removing both the driver and passenger side front caster arms.
2. With driver and passenger side caster arms out of the car you will now need to press out the factory rubber bushings from both arms with the appropriate adapters and press.



3. Once the factory bushings have been pressed out of the arms, start the assembly process by applying the supplied Loctite 680 to the mating interfaces of both housings. There is just enough Loctite 680 provided for both housings, so be vigilant to not over apply Loctite to the first housing. Spread evenly, as shown in the pictures, ensure there is as thin a layer as you can get with no dry spots on the interface. Then press the new mono ball housings into the caster arms **from the chamfered side of the arm. (Note: Never Press on mono ball directly, you must use a press tool that only presses on the housing. Pressing on the mono ball will damage it and void the warranty.** Make sure that the housing is pressing into the arm square and not cocked to one side or the other. If excessive pressure is required to press housings into the arms **STOP** immediately and double check it is square in the boar of the arm before proceeding.)

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4. After pressing the mono ball housings into both arms, you can now locate the threaded hat and M5 hardware provided. Insert the hardware through the mono ball housing and thread into hat locking the housing into the arm. Torque all 8 M5 hardware on both arms to 95-inch pounds in a crisscross pattern. (Note: when torquing hardware in crisscross pattern make sure you go through the sequence at least two more per arm to make sure that the housing and threaded hat have fully seated.)



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5. With the mono ball housings fully installed into the arms and you are confident that all the hardware has been torqued to the proper specifications as well as the housings being fully seated you can now refer back to the factory BMW procedures to reinstall the driver and passenger caster arms using the supplied spacers.



6. Finally, after installation is complete an alignment must be performed.