



Instruction Sheet - Adjustable Cam Sprockets for Porsche 911/964/993 Engines

Please read this instruction sheet in its entirety before starting this process.

- 1. Perform all necessary sprocket alignment shimming before final installation of this adjustable sprocket system.**
2. Install the cams and associated parts.
3. Install the new sprocket hub. If you are using late model cam cores, then you will need to secure the hub with the proper bolt and washer. If you are using early model cams, then you will need to secure the hub with the JB Racing nut (PN 131-023) which is sold separately. **(The OEM nut will not work with these adjustable sprockets.)**
4. Torque the sprocket hub bolts or nuts to factory specifications. Use oil on the threads. Do not Loctite.
5. Set the engine at TDC.
6. Set the cam at the desired lift specification at TDC.
7. Install the sprocket and the chain tensioner. Move the sprocket in the chain until the threaded holes in the hub are as close to the center of the slot in the sprocket as possible. Tension the chain. Install the 6 bolts that secure the sprocket to the hub. Hand tighten all 6 bolts. (Do not torque the bolts at this time.)
8. Turn the engine through and check the cam timing. Adjust if necessary to get the cam timing exact.
9. Repeat the above process for the cam on the other side of the engine. Once the cam timing process is complete, torque the 6 bolts on each sprocket to 168 inch lbs.
10. Double check all 12 bolts for proper torque.

It is as simple as that! Once familiar with the system,
both cams can be timed in 20 minutes or less.

NOTE: Inside the 4-5-6 side chain box directly above the sprocket, you will find a small rib. Removal of this rib will make the cam timing process a little easier. However, if your engine is already assembled it is not necessary to remove this rib.

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