



## INSTRUCTIONS

### COMP Cams Billet Timing Sets

#### Part #7100, 7102, 7103, 7104, 7108, 7110, 7112, 7122, 7125, 7136, and 7138

Thank you for choosing COMP Cams® products; we are proud to be your manufacturer of choice. Please read this instruction sheet carefully before beginning installation, and also take a moment to review the included limited warranty information.

COMP Cams® Billet Steel Timing Sets are the most reliable units available. They give the installer the ability to fine-tune the powerband of the cam by allowing the cam to be positioned from 0 to 8-degrees advanced or retarded in 2-degree increments. **Remember: The camshaft angle is half the crankshaft angle, therefore the camshaft will correspondingly advance or retard 1, 2, 3 or 4-degrees.** This allows the centerline of the camshaft to be “dialed-in” more accurately than with the use of cam degree bushings.

#### Installation:

We recommend the chain and sprockets be pre-assembled before final assembly of the motor to check for any interference between the block and the timing set. When installing or removing the lower crank gear, which is a “press fit”, proper puller/installation tools should be used to prevent possible damage to either the sprocket or the crankshaft snout. Extra care should be given to the front of the block where cam thrust is set to prevent excessive wear.

Please review the diagram on the back page of these instructions, as your crank gear may not be stamped showing the timing marks for advancing or retarding the camshaft. The crankshaft keyway and the correlating cam phase markings are noted on the diagram. This diagram has been provided to assist in the more accurate phasing of your camshaft. If you should have any questions or concerns about your new COMP Cams® 9 Keyway Billet Timing Set or any other COMP Cams® product, please call our toll free CAM HELP® techline at 1-800-999-0853, 7am-8pm CST, Monday through Friday and 9am-4pm CST on Saturdays.

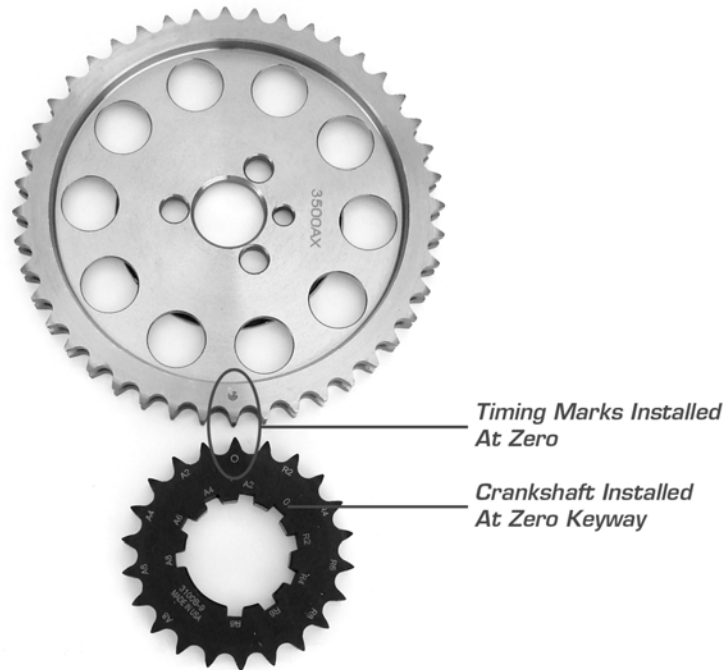
#### **Ford Windsor Instructions**

To use the thrust bearing in the #7138 kit, you will need to counter sink the holes in the thrust plate and use counter sink bolts (not included), that will tighten flush or below the thrust plate surface. Affix the bearing to the engine side of the sprocket with the black mark facing the engine. **Note: Failure to perform this modification to the thrust plate will destroy the bearing during installation due to the thrust plate bolt to thrust bearing contact.**



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Part #161  
Revised 11/1/07



### Limited Warranty

Competition Cams, Inc. warrants that all of its products are free from defects in material and workmanship, and against excessive wear for a period of (1) one year from the date of purchase. This **limited warranty** shall cover the original purchaser.

**Competition Cams, Inc.'s obligation under this warranty is limited to the repair or replacement of its product.** To make a warranty claim, the part must be returned within (1) one year of purchase to the address listed below, freight prepaid. Items covered under warranty will be returned to you freight collect.

**It is the responsibility of the installer to ensure that all of the components are correct before installation. We assume no liability for any errors made in tolerances, component selection, or installation.**

**There is absolutely no warranty on the following:**

- A) Any parts used in racing applications;**
- B) Any product that has been physically altered, improperly installed or maintained;**
- C) Any product used in improper applications, abused, or not used in conjunction with the proper parts.**

**There are no implied warranties of merchantability or fitness for a particular purpose.** There are no warranties, which extend beyond the description of the face hereof. Competition Cams, Inc. will not be responsible for incidental and consequential damages, property damage or personal injury damages to the extent permitted by law. Where required by law, implied warranties or merchantability and fitness are limited for a term of (1) one year from the date of original purchase.

This warranty gives you specific legal rights and you may also have other legal rights, which vary from state to state.