



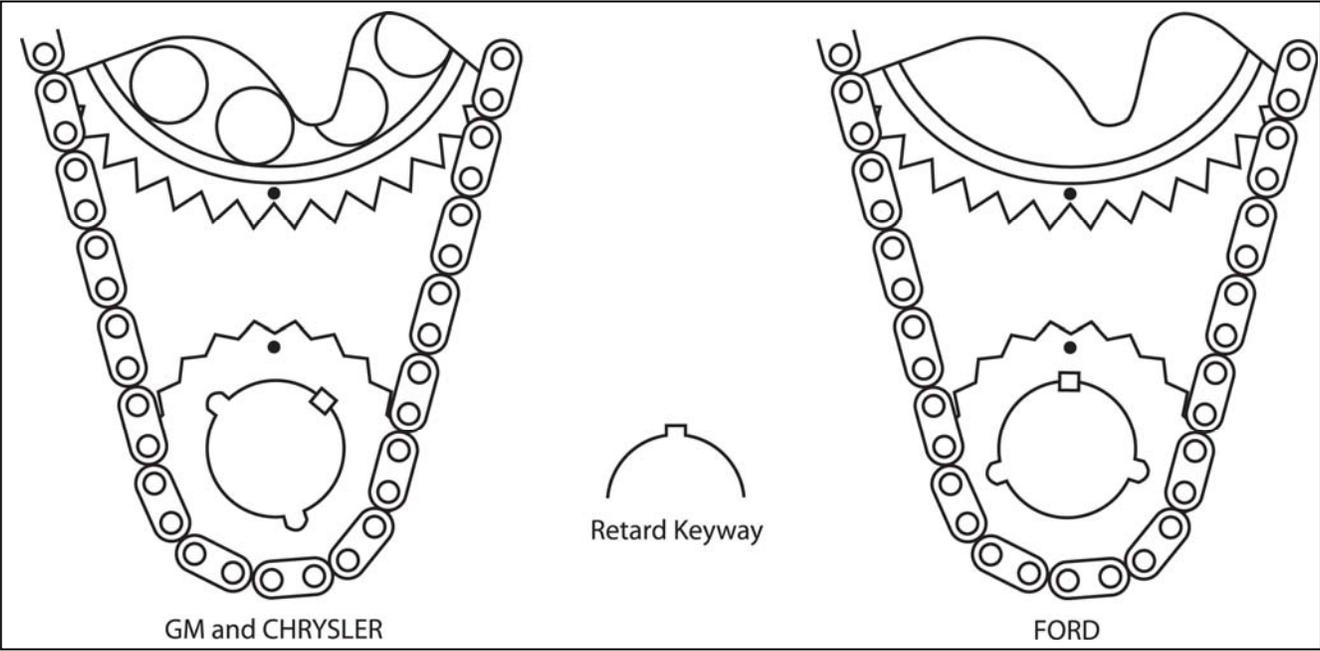
# INSTRUCTIONS

## Part #2139 Cadillac V8 Magnum Roller Timing Set

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.

The 3 keyway crank sprocket allows adjustment of the crankshaft timing by  $\pm 4^\circ$ . By changing the cam timing, enhancements to the camshaft characteristics can be achieved. For example, retarding the cam timing will increase high rpm horsepower, and advancing the cam timing will increase low end torque. The following examples illustrate which timing mark is used with its corresponding keyway.

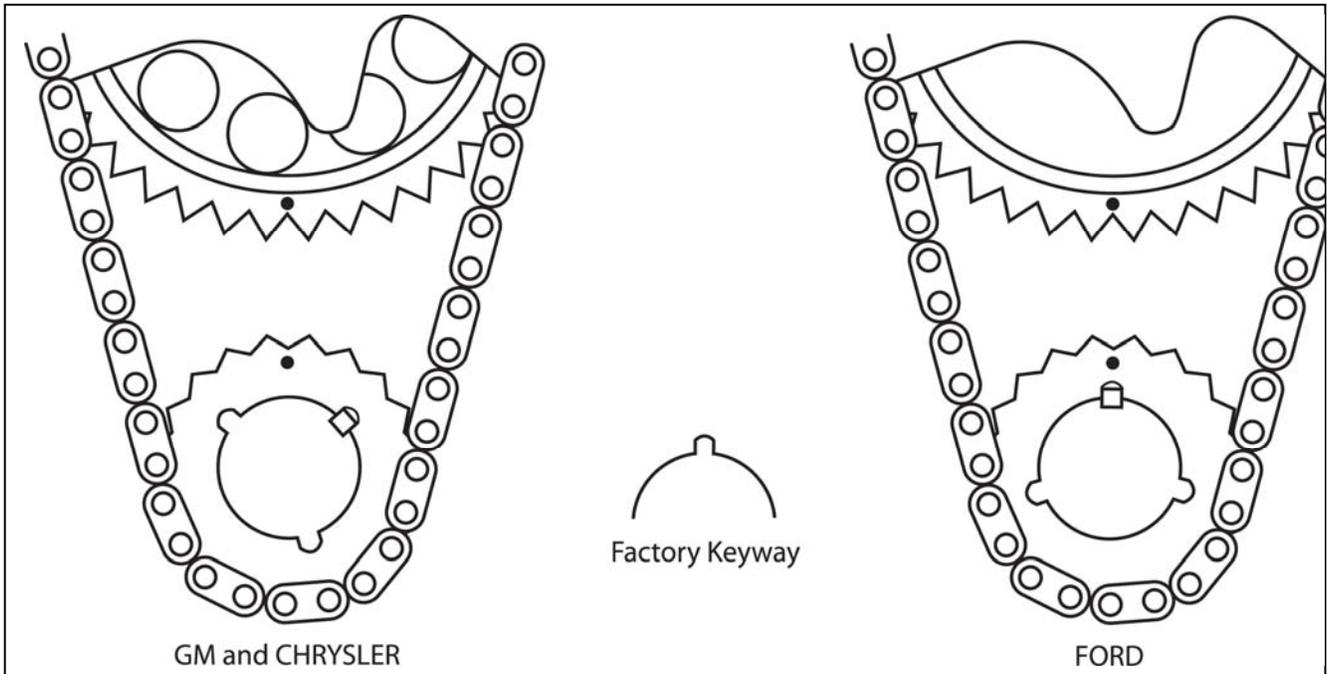
To retard the camshaft timing, use the Y timing mark on the crank sprocket and the retard keyway shown below.



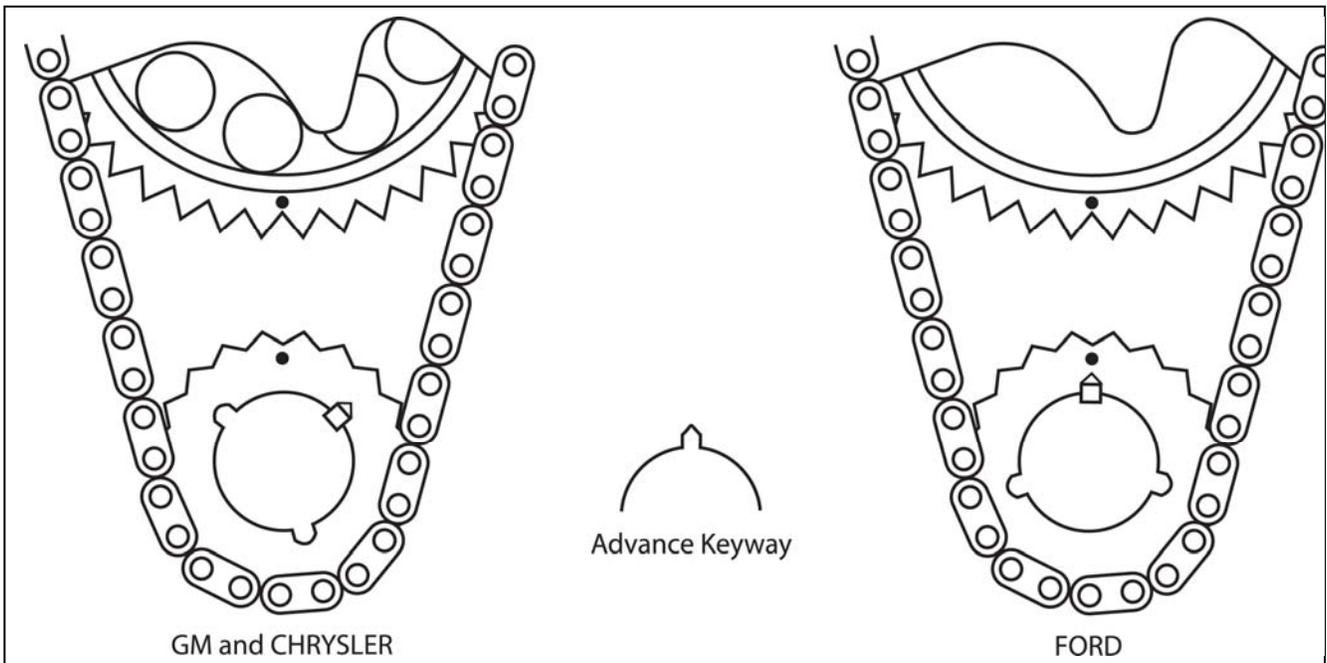
COMP Cams®  
3406 Democrat Rd.  
Memphis, TN 38118  
Phone: (901) 795-2400 Fax: (901) 366-1807  
www.compcams.com

Part #146  
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For factory specified timing, use the O timing mark on the crank sprocket and the factory keyway shown below.



To advance the camshaft timing, use the • timing mark on the crank sprocket and the advance keyway shown below.



**Note:** Timing angles are specified in crankshaft degrees. Some high performance camshafts are ground with advance or retard built in. In this case, the cam manufacturer intends the cam to be set at the factory specified timing. Also, during and after installation, observe for any interference between the timing set and engine block. If interference is found, remove or grind that area of the block so adequate clearance is obtained. When removing a press fit crank sprocket, a proper pulling tool should be used.

### **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.



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