



## INSTRUCTIONS

### Lifter Bore Grooving Tool

*Part# 5003 (.842 Dia. Bore), Part # 5005 (.875 Dia. Bore), Part # 5007 (.904 Dia. Bore)*

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.

This tool is designed to score a groove in the lifter bore that will deliver a direct supply of oil to the cam lobes before cam & lifter contact. The lifter bore grooving tool works best when engine block is completely disassembled and placed on the floor or on an engine stand.

**Note: Check tool diameter versus lifter bore diameter for proper fit. Depth of cut can be adjusted with set screw in top of tool body under pin.**

#### Procedure Instructions

1. Insert cylinder-shaped grooving tool into the lifter bore from the bottom of the bore. The blade will be used to score a groove into the lifter bore surface to allow pressurized oil to spray directly onto the cam lobes.

**Note: For best results, only one groove per lifter bore should be made. Grooves should be on the inboard side of bores on driver's side of engine and on the outboard side of bores on the passenger side bank of cylinders (left side steer vehicles). This is based on clockwise rotation. For cams that turn counter-clockwise groove bore on opposite side.**

2. From the top of lifter bore, hook handle into tool.
3. Pull straight up until stop on bottom of tool contacts block, then remove tool from bore. (A slight bump on the handle with your hand will remove tool from bore.) **Caution: Make certain not to twist or turn tool in bore or breakage will occur!!!**

**Note: If galley restrictors are used, enlarge holes .040"-.050" to ensure adequate oil supply to the lifters.**



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Part # 170  
Revised 12/02/03

## 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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