



A Division of Thiessen Products, Inc.

## INSTRUCTION SHEET FOR TOOL # 1285 & #994



### CAM & CRANK SPROCKET LOCK TOOL

**No. 1285** USE ON FLH MODELS 1999 TO 2006, ON FXD, 1999 TO 2005, AND 2000 TO 2006 FXST.

**No. 994** USE ON FXD MODELS 2006 TO PRESENT, FLH AND FXST 2007 TO PRESENT.

*This precision tool allows the technician to lock the camshaft and crankshaft sprockets to properly remove, replace, and torque the sprocket bolts. This tool is made from non-marring Delrin.*

**READ ALL INSTRUCTIONS BEFORE PERFORMING WORK!**

**IF YOU DO NOT KNOW WHAT YOU ARE DOING, DO NOT DO IT!**

No information in this instruction sheet pertaining to motorcycle repair is represented as fool-proof or even altogether safe. Some people can ruin a mechanics vise with a tack hammer. Even something safe, done incorrectly or incompletely can and will backfire. You are responsible for the safety of your work and knowledge of the tools, repair equipment, components, methods and concepts needed to complete these tasks. You must carefully and systematically perform each and every step safely. All information listed in this instruction sheet has been tested, re-tested and used daily in JIMS Research and Development Department.

### JIMS® IS NOT RESPONSIBLE FOR THE QUALITY AND SAFETY OF YOUR WORK!

**If you are not sure about any of the procedures in these instructions, have a reputable H-D® repair shop perform these procedures for you.**

**WARNING:** Always disconnect the Battery Ground Cable (at the battery) to prevent injury. Your work area should be well lit. Wear safety glasses (over your eyes) and protective clothing when working around power tools and compressed air. Be careful with chemicals when cleaning parts. Protect your skin from solvents and use only in a well-ventilated area. Degreasers are flammable and are a fire hazard. Just use common sense and exercise good judgement.

Refer to H-D® service manual for specifications

**Note:** Mark chain for direction of rotation for re-assembly. Use JIMS® tool No. 1283 when using Tool No. 1285 to relieve spring tension from chains.

1. Insert tool between gear teeth of sprockets to lock cam and crankshaft. Note that the tool can only be inserted one way. Tool is marked to identify the side that faces the appropriate sprocket. The tool also has marks to help line up the punch marks on the sprockets. These marks can be used to set the timing marks inline with each other before chain and sprockets are installed.
2. Torque camshaft and crankshaft bolts. Refer to H-D® service manual for torque specifications.
3. Remove tool.

**CAUTION: WEAR SAFETY GLASSES. EXCESSIVE FORCE MAY DAMAGE PARTS!  
SEE JIMS® CATALOG FOR HUNDREDS OF TOP QUALITY PROFESSIONAL TOOLS.  
THE LAST TOOLS YOU WILL EVER NEED TO BUY.**

*Performance Parts For Harley-Davidson® Motorcycles*

When it comes to quality motorcycle tools, JIMS is the brand you can depend on.