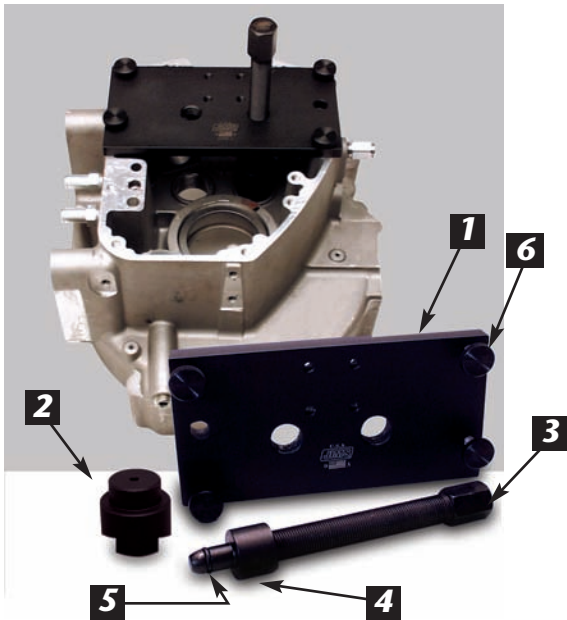




A Division of Thiessen Products, Inc.

# INSTRUCTION SHEET FOR TOOL #787



## INNER CAM BEARING INSTALLER USE ON ALL 1999 TO PRESENT TWIN CAMS

*This tool will install the two inner cam needle bearings on all Twin Cams. It perfectly aligns to the shaft bores for a precision press fit.*

**Note:** Read all instructions before performing work. **WARNING:** Always wear eye protection and always disconnect the negative cable on the battery.

Refer to H-D® Service Manual for removal of cams and tappets. Many of JIMS tools for early or late Twin Cam are required when performing work in the cam chest area. See catalog or online [www.jimsusa.com](http://www.jimsusa.com).

**Note:** Use bearings No. **8991K** for a performance cam bearing on '06 to present FXD, and '07 to present FXST and FLH.

**Note:** Use bearings No. **9198K** for a performance cam bearing '99 to '06 FLH, '00 to '06 FXST, and '99 to '05 FXD.

1. Lube threads and screw (3) No. **1024** into plate (1) No. **1278-1**. Install cam bearing driver tool (4) No. **2190** by threading onto the end of the screw (3) No. **1024**.

**Note:** On tool No. **2** notice that one side of the installer tool has a larger step than the other side. The smaller end is for the cam bearing on early models and larger is for late Twin Cam. See note above for bearing application information on cam bearing. Now press the cam bearing installer No. **2** onto No. **4**.

2. Place cam bearing with letters and numbers facing outward against tool No. (2). Apply assembly lube on the O.D. of bearing.
3. Align two large holes in support plate over bearing bores.
4. Install assembled tool (with bearing) onto case using (4) allen thumb screws with lube on threads.
5. Lube threads of screw No. **3** and turn in screw carefully until bearing starts in bore. Tighten until bearing seats in bore. Correct depth is 3.10". This is measured from the edge of the bearing to the cam cover mounting surface. Repeat for the next bearing.
6. Remove plate from case and store the (4) allen thumb screws in the (4) threaded holes in the center of plate.

<b>PARTS AVAILABLE SEPARATELY</b>			
No.	Qty.	Description	JIMS Part No.
1	1	Plate Installer, Cam Bearing	1278-1
2	1	Installer, Cam Bearing	1278-3
3	1	Screw	1024
4	1	Tool, Driver, Cam Bearing	2190
5	1	O- Ring	2310
6	4	Screw	1213
7	1	Instruction Sheet	787-IS

**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*