



INSTRUCTION SHEET FOR TOOL #1414

FORK STEM BEARING REMOVER

USE THIS TOOL TO REMOVE THE LOWER FORK STEM (TRIPLE CLAMP) TAPERED BEARING.

Use on all lower fork stems that use H.D.® number 48300-60 style bearing, Big twins, All V-Rods, XL, Buell and most after-market triple trees. Use JIMS® No. 1048 hard end cap with above no. 1414 with hollow 1" fork stems.

Refer to H.D.® Service Manual for proper year and application for servicing the fork assembly.

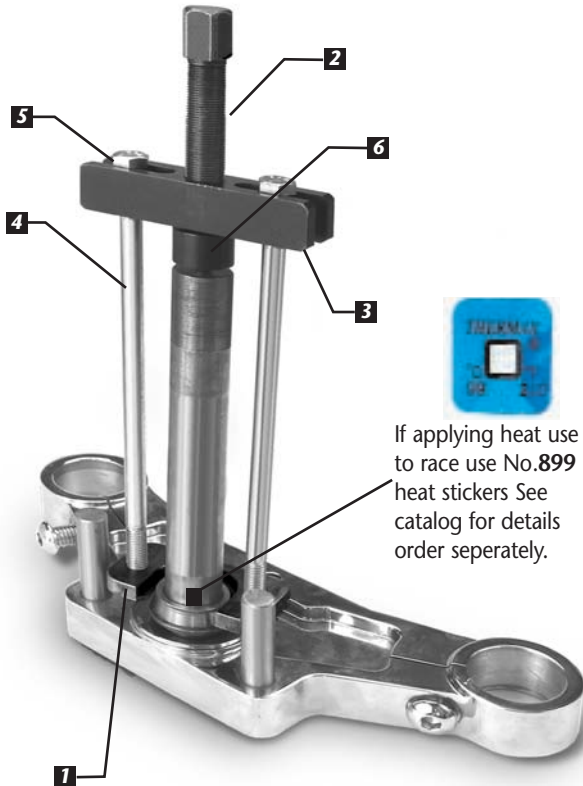


FIGURE 1

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 mechanic's 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.

Note: read complete instructions before removing bearing.

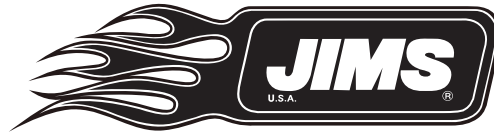
1. To assemble tool see photo and parts list. Lightly lube screw threads on item 2 (No. 1024) before installing in puller bar, item 5 (No. 2013).

* **Note: JIMS hardened tip No. 1025 (shown in figure 1) protects late 1" dia. and hollow fork stems. JIMS hard cap No. 1048 protects early 7/8" dia. fork stems. Order separately.**

PARTS AVAILABLE SEPERATELY			
FIGURE 1 PARTS LIST			
NO.	QTY	DESCRIPTION	PART NO.
1	1	BEARING REMOVER	1414-1
2	1	SCREW	1024
3	1	PULLER BAR	2013
4	2	3/8-16 X 11" BOLTS	1717
5	2	3/8" SAE WASHER	2031
6	1	HARDENED TIP*	1025
7	1	HARD CAP*	1048

CAUTION: WEAR SAFETY GLASSES. EXCESSIVE FORCE MAY DAMAGE PARTS!
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2. To prepare for lower stem bearing removal you will need a pair of cutters to remove the cage that holds the rollers to get access to the inner bearing race.
3. Slide our puller assembly into position as shown in photo. You need to locate the puller plate, Item1 (No. 1414-I) off the upper lip on the race as shown in figure 1.
Note: This tool is designed to remove the bearing race at no more than 40 Ft. Lbs. of torque.
4. At this time set your torque wrench at 40 Ft. Lbs. Begin screwing down on item 2 (No. 1024) screw. If you reach the 40 Ft. Lbs. and the race hasn't come loose then stop at this time.
5. Pull complete tool away from stem assembly. Apply heat around O.D. of race only. Use two Jims Heat stickers No. 899 and apply to neck stem just above race. Watch sticker when heating race O.D. The sticker will change color to alert you to stop heating or you will damage the neck stem. Order stickers seperately. Never exceed 210 degrees. Do not overheat bearing race where discoloration occurs. Focus all heat on race only.
6. After race is heated, slip the tool back in place and continue to screw down puller screw at same torque setting and then the race should come free from the stem. Note: Never exceed 40 Ft. Lbs of torque to Item 2 (No. 1024) screw or you will cause damage to this tool.

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