



A Division of Thiessen Products, Inc.

## INSTRUCTION SHEET FOR TOOL #2049

### 49MM FORK SEAL INSTALLER TOOL

USE ON ALL FXD, 2006 TO PRESENT, ALL V-RODS 2001 TO PRESENT, AND 2014 FLH  
(EXCEPT INVERTED FORK MODELS.)

**NOTE: PLEASE READ ALL INSTRUCTIONS COMPLETELY & THOROUGHLY  
BEFORE PERFORMING ANY 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 foolproof or even altogether safe. Even something safe, done incorrectly or incompletely can and will backfire. You and only you are responsible for the safety of your repair work and for your understanding the application and use of repair equipment, components, methods and concepts.

Each and every step that this tool is designed to do must be carefully and systematically performed safely by you. 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 damage, injury or your work!**

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

**Perform all work per H-D® Service Manual for appropriate year and model of the motorcycle you will be repairing.**

**JIM'S TOOLS NEEDED TO PERFORM THIS SERVICE AND COMPLEMENT THIS TOOL:**

- 1) JIMS No.2244, 35mm Hex Top Fork Nut Socket.
- 2) JIMS No.2251, Fork Leg and Tube Holder Tool. See Fig 1.
- 3) JIMS No.904, Bike Center Jack.

This 49mm Fork Seal Installer Tool will assist you in the installation of the 49mm fork seal and dust seal. It will guide the seal straight and to the correct depth into its bore for a no leak installation.

**Caution:**

Safely lift front tire of motorcycle off the ground using JIMS No.904 Bike Center Jack with motorcycle being level. Secure the M/C with tie downs so it cannot and will not fall over, as you will be removing and installing an axle nut torqued as high as 55 ft-lbs for some models. Remove the front wheel, front fender and fork tubes per H-D® service manual for appropriate year and model.

**Warning:**

Do not remove fork tube caps with JIMS Tool No.2244 until you relieve spring preload by raising the front wheel off the ground using a JIMS No.904 Bike Center Jack. This will keep the tube caps from flying out and possibly causing serious damage, injuries, or death.

**Disassembly of fork seals**

- 1) Remove fork tube and slider assemblies from triple tree clamps per H-D® service manual. Clamp JIMS tool No.2251 Fork Tube Holder around the tube and mount in vise for disassembly. See FIG. 1.



**Fig. 1**

**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*



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**Note:**

For any instruction on the disassembly of the fork tube and slider or removal of fork seal and dust shield, refer to H-D® service manual for the appropriate year and model.

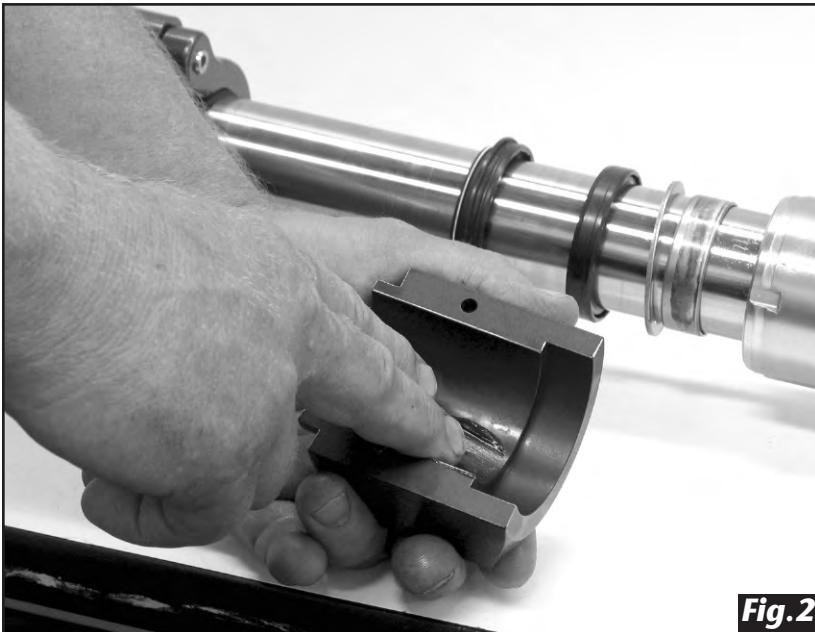
**Assembly of new fork seal and dust seal**

- 1) With all internal slider parts in their proper locations per H-D® Service Manual, lube I.D. and O.D. of fork seal with small amount of fork oil.
- 2) Slide lubed fork seal down on tube to slider counterbore, paying attention to seal direction per H-D® Service Manual.

**Note:**

The chamfered lip on seal must face towards the lower leg to hold back fork oil.

- 3) Apply a slight film of wheel bearing grease to the inside surfaces of both halves of tool No.2049. **See Fig 2.**
- 4) Place both halves of lubed tool No.2049 on the fork tube, with stepped side towards seal. **See Fig 3.**
- 5) With small back and forth sliding motion of tool, tap fork seal into slider counterbore against spacer and bushing in the top of the lower leg.
- 6) Repeat above steps for dust seal except when positioning No.2049 on leg. Place tool on tube the opposite direction, with counterbore toward dust seal. **See Fig 4.**
- 7) Repeat all steps for other seal installation.

**Fig. 3****Fig. 2****Fig. 4**

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