

A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR TOOL No. 948



Installs valve guide seal H-D® No.18046-98 square on guide for Harley OEM models with the 110" motors. Can also be used on all heads that have valve guides with an O.D. of .530".

JIMS® TOOLS AND OTHER TOOLS NEEDED TO PERFORM THIS SERVICE.

1. Use with JIMS driver No. 34740-84 to drive seal onto the guide.
2. Use JIMS Valve spring compressor No. 96600-36B to remove and replace valve springs.
3. See JIMS catalog for a complete listing of all valve train tools.

INSTALLING A NEW VALVE GUIDE SEAL:

1. Apply lube to all moving parts, i.e. valve stems and valve face, if engine will not be running for some time.
2. Apply 3 drops of No. 620 green Loctite to O.D. of valve guide only where the new seal will be installed. Use a toothpick or similar tool that is clean.

Note: Move the 3 drops 100% around guide.

Caution: Do not get any Loctite on the valve stem.

3. Place new protective sleeve over the stem of valve, **See Fig 1.**

Note: The protective sleeve is supplied with new seals from H-D® dealer.

4. Apply a small amount of assembly lube to the O.D. of protective sleeve.
5. Apply 2 drops of No. 620 green Loctite to the I.D. of new guide seal using a toothpick or similar tool that is clean.

Note: Move the 2 drops 100% around the inside of guide seal. **See Fig 2.**

NOTE: PLEASE READ ALL INSTRUCTIONS COMPLETELY 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 understanding the application and use of repair equipment, components, methods and concepts.

Each and every step 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.

ALWAYS WEAR SAFETY GLASSES OR OTHER FACE AND EYE PROTECTION SUCH AS FULL FACE SHIELD. JIMS® IS NOT RESPONSIBLE FOR DAMAGE, INJURY, OR YOUR WORK. JIMS® IS NOT RESPONSIBLE FOR THE QUALITY AND SAFETY OF YOUR WORK.

**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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6. Place new guide seal over protective sleeve and slide down to the end of valve guide.

Caution: If seal is installed over guide without the use of protective sleeve it will be ruined and it will need to be replaced with a new seal.

Note: Remove protective sleeve and keep clean for the next seal install.

7. Place seal installing Tool No. 948 over the end of new seal. **See Fig 3.**

Caution: Make sure face of tool will go over the lower valve spring collar, centering shoulder. Place JIMS driver handle No. 34740-84 into the end of tool you have placed over the new seal.

See Fig 4. With a small brass hammer, tap on the end of driver No. 34740-84 until tool stops on the top of lower spring collar.

Caution: Do not allow the valve to slide out of the seal or the seal will be ruined. Check the top spring collar to see that it will not come in contact with new seal at max valve lift.

8. Repeat the above for the other 3 guides.

9. Reinstall valve springs with JIMS valve spring compressor No. 96600-36B.



FIG 1



FIG 2



FIG 3

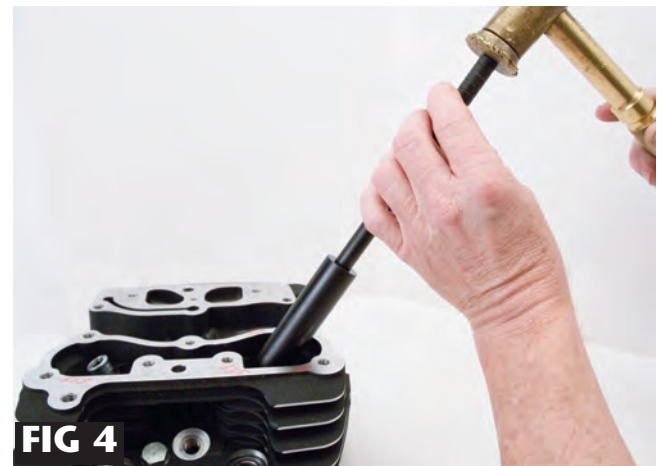


FIG 4

CAUTION: WEAR SAFETY GLASSES OVER YOUR EYES.
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