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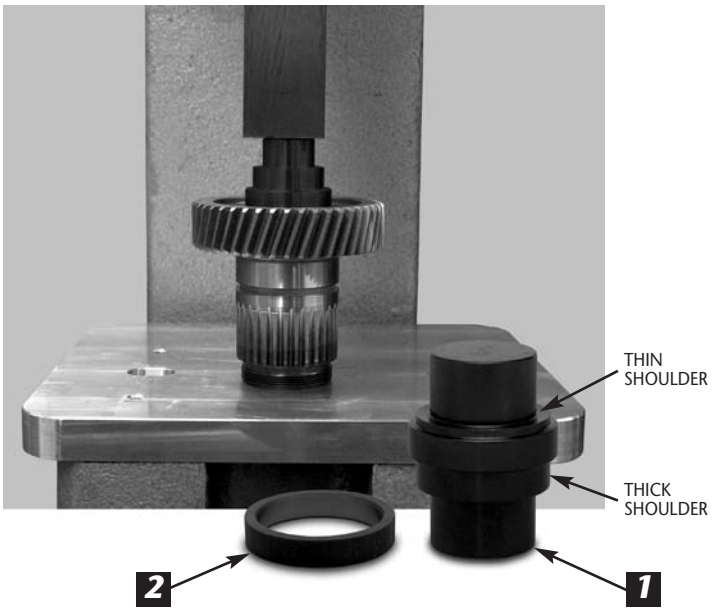
Instruction Sheet For Tool No.986

6-SPEED MAIN DRIVE GEAR BEARING AND SEAL INSTALLER

Use on all 2006 to present Dyna™ and 2007 to present FL & FXST models

This tool is used to install the two bearings and seal in the main drive gear.

While performing other transmission related service use the following:
JIMS No.**2315** or No.**2312** 6-speed primary locker tool
JIMS No.**989** 6-speed mainshaft pulley nut socket
JIMS No.**984** 6-speed trans door remover
JIMS No.**987** 6-speed main case bearing installer
JIMS No.**981** 6-speed main drive gear installer
JIMS No.**985** 6-speed shift fork shaft remover



PARTS AVAILABLE SEPARATELY

No.	Qty.	Description	Part No.
1	1	BEARING INSTALLER	986-1
2	1	SEAL INSTALLER	986-2

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 starting task.

1. To remove the main drive gear from the transmission refer to H-D service manual per model you are working on.

2. Remove from the main drive gear, two bearing retainers, two bearings, a spacer, and seal per H-D service manual. Clean gear with solvent inside and outside and air dry.

CAUTION: Wear safety glasses. Excessive force may damage parts!
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The last tools you will ever need to buy.

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3. Lube I.D. of gear and O.D. of new H-D No. 8042 bearings before pressing into I.D. of gear.

4. Place gear on your press bed with seal side facing up centered under the press ram. Position your lubed bearing squarely on the gear with bearing lettering side up.

5. Insert your JIMS tool No. 986-1 into lubed bearing with thick shoulder against bearing.

6. Press bearing into gear until tool bottoms out on the gear. This will put the bearing at a depth for proper retainer installation. Install a new retainer, H-D No. 10991A, with the flat side against the bearing.

7. With the gear on press in the same position as in step 6, take JIMS tool No.1 and slide seal installer tool No.2 onto the thick shoulder and then slip the new seal H-D No. 12077 on item No.1 tool up against seal installer No.2. **Note:** install seal with number side facing outside the gear.

8. Install tool, items No.1, No.2, and seal into position on gear and press in seal until tool bottoms out.

9. Place gear on your press bed with gear side facing up centered under the press ram. Insert spacer into bore of main drive gear. Position your lubed bearing squarely on the gear with lettering side up.

10. Insert your JIMS tool into lubed bearing with thin shoulder against bearing.

11. Press bearing into gear until tool bottoms out on the gear. This will put the bearing at a depth for proper retainer installation. Install a new retainer, H-D No. 10991A with the flat side against the bearing.

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