



A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR TOOL No. 5802

FORK TOOLS FOR USE ON 2015-PRESENT INDIAN SCOUT AND 2017-PRESENT VICTORY OCTANE MODELS

No. **5802-1** - Use with JIMS No. 1776 Fork Spring Compressor Tool and 3/8" drive 30mm socket to disassemble forks.

No. **5802-2** -Socket tool for fork damper cartridge.

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 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 a 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!

RECOMMENDED TOOLS AND SUPPLIES

- JIMS No. 1776 Fork Spring Compressor Tool and 3/4" socket for adjustment
- 30mm socket, 3/8" drive
- 2 X 3/8" ratchet wrenches
- Service Manual for year and model bike being serviced
- 3/8" drive long extension(s) to reach approximately 14"
- New fork seals, crush washers, and fork oil
- Drain Pan
- Torque wrench
- 3/8" drive 8mm hex "Allen" tool with at least 2-1/2" reach



FORK DISASSEMBLY

1. Support Motorcycle for front end removal. Make sure motorcycle is tied down securely so it cannot and will not fall over.
2. Remove front wheel and fender following service manual. Secure brake caliper to support brake line to prevent damage.
3. With 30mm socket and ratchet, break fork caps loose before removing forks from triple trees. Do not remove fork caps. This will be done using JIMS No. **1776** Fork Spring Compressor Tool.
4. Clamp JIMS No. **1776** Fork Compressor Tool into bench vice with soft jaws vertically, so adjuster screw is on top to keep fork oil from spilling.
5. Install No. **5802-1** socket adapter into JIMS Fork Compressor Tool No. **1776** by inserting the fixed pin into

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one of four holes in No. **5802-1** socket adapter while aligning remaining holes with adjuster screws. Finger tighten both adjuster screws into remaining holes in edge of socket adapter so that No. **5802-1** tool is locked in place and cannot rotate.

Note: Only tighten adjuster screws finger tight.

6. Install 30mm socket onto No. **5802-1** Socket Adapter.
7. Insert bottom post of tool No. **1776** into bottom hole of fork leg.
8. Adjust fork spring compressor tool using a $\frac{3}{4}$ " socket and ratchet until the 30mm socket mates with fork tube cap.

Caution: *Only use hand tools. Do not use impact or power tools.*

9. Remove fork cap by rotating fork tube by hand. After fork cap clears threads of fork tube, expand No. **1776** slowly with $\frac{3}{4}$ " socket and ratchet until the fork assembly is no longer under spring pressure. Remove fork assembly and repeat process on next fork assembly. Keep fork assembly upright until oil has been drained.

Note: See below for cartridge removal.

10. Reassembly is the reverse of disassembly. Clean all parts. Insert spring, washer, and spacer into fork assembly, then install assembly into No. **1776** Fork Compressor Tool. Compress tool until fork cap is just ready to start threading into fork tube. Turn fork tube by hand until the fork cap is threaded completely into fork tube.
11. Loosen adjuster bolt on JIMS No. **1776** until fork assembly is clear of socket and remove from tool.
12. Clamp fork assemblies into triple tree and tighten fork caps following service manual torque specifications.
13. Install front fender, wheel, and brake caliper following service manual instructions. Test ride motorcycle before going onto public roadways.

TO REMOVE AND INSTALL DAMPER CARTRIDGE.

1. Disassemble fork assemblies following the procedure above, JIMS instruction sheet No. 1776-IS, and service manual.
2. Remove fork spacer, washer, and spring from each fork assembly and set aside. Pour oil from fork tubes into drain pan. Collapse fork tubes into sliders.
3. Connect $\frac{3}{8}$ " extension(s) together and into No. **5802-2** Cartridge Tool. You must have enough extension so ratchet with extension(s) and socket No. **5802-2** can mate into cartridge with enough room for ratchet. With ratchet wrench, extension(s), and cartridge tool, insert into fork tube and mate with fork cartridge.
4. Using second $\frac{3}{8}$ " ratchet with 8mm hex driver, loosen the bottom fork bolt while holding cartridge from rotating with JIMS No. **5802-2** tool and ratchet.
5. When installing cartridge, use a new crush washer on bottom cartridge retaining bolt. Tighten to specified torque while holding ratchet and cartridge from rotating as described in step 4.
6. Assemble remaining fork assembly following above instructions and service manual.

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