

# INSTRUCTION SHEET FOR TOOL #1776

## FRONT FORK COMPRESSOR TOOL

### PARTS AVAILABLE SEPARATELY

NO.	QTY.	DESCRIPTION	JIMS PART NO.
1	1	MAIN BODY	1776-11
2	1	MAIN BODY SLIDE	1776-10
3	1	DAMPER ROD EXTENSION	1776-9
4	1	FL ADAPTER	1776-3
5	2	SPECIAL SCREW, ADAPTER	1776-6

Use this tool to compress the front springs in cartridge style forks when servicing or rebuilding. The compressor can be mounted in a vise for easy hands free servicing. Also included is an adapter for FL forks to eliminate direct contact with spring coil. A special rod is also included to pull up the fork damper rod.

**Use on all models with cartridge style forks.**

Use for disassembly and assembly of other Hydraulic style forks, having Fork cap plugs under spring pressure.

**Hand tools needed to aid in the use of this tool:**

- A) 3/4" Socket
- B) 5/16" Allen Wrench
- C) 14mm Deep Socket
- D) 3/8" Drive Ratchet

**TO view all other Tools, Parts, Components, and instruction sheets, visit:**  
[WWW.JIMSUSA.COM](http://WWW.JIMSUSA.COM)

**NOTE:** Refer to H-D® Service Manual for the proper year and model being serviced for assembly and disassembly.

**NOTE:** JIMS® is not responsible for damage, injury or the quality of your work! Please read and follow these instructions carefully before starting service work.

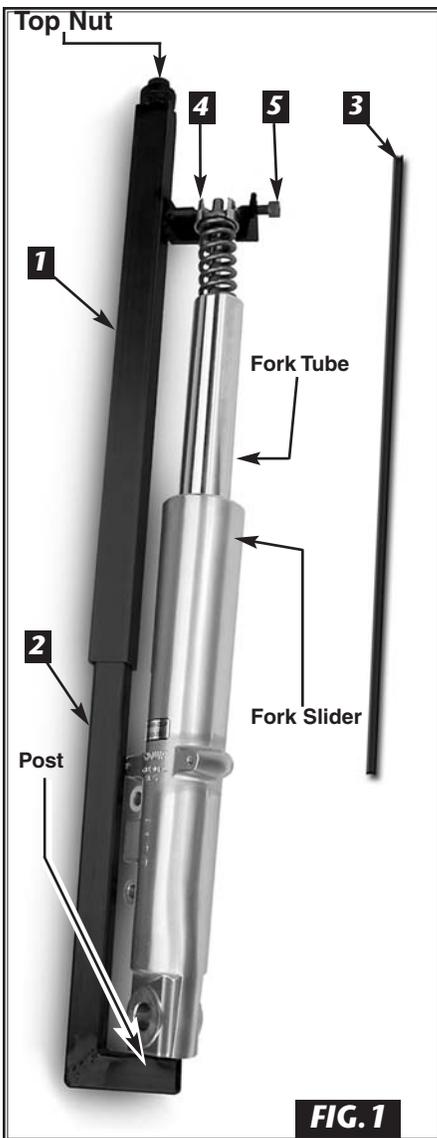
**CAUTION:** Do not damage any of the sealing surfaces of the fork tube or slider to help prevent leaking of fork oil.

Use with JIMS® No. 2251 Fork Leg & Tube Holder. Follow the instruction sheet for the fork holder and refer to H-D® Service Manual for proper year and model being serviced.

**INSTRUCTIONS:**

1. Clamp the Front Fork Compressor Tool No.1776, securely into a non marring vise with the adjuster facing up.
2. Compress the fork assembly by holding the fork tube in one hand and pulling the slider up the fork tube. This will expose the lock nut holding the fork spring. **(See Fig. 2)**
3. **FOR FLHT MODELS:** Place fork compressor FL adapter tool No. 1776-3 over the top spring. **(See Fig. 3)** For all other models skip step 3.

**WARNING!** Only tighten the 2 allen screws No. 1776-6 enough to hold the FL adapter or damper assembly from turning as the fork compressor tool is compress-



**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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ing the fork spring, or bodily injury may result. JIMS® is not responsible for damage, injury or your work. Please follow the instructions carefully as they are designed to aid you with your work and to help you finish your work safely.

**4.** Place the fork slider over the post at the bottom of the Fork Compressor Tool and into the top of the Fork Compressor Tool so that the FL adapter or the damper assembly lines up with the locator and 2 allen screws (**See Fig. 1**). Snug the 2 allen screws so the tip of each screw has engaged into each of the detents.

**NOTE:** Turning the top nut of the Fork Compressor Tool clockwise will shorten the fork spring. Turning the top nut of the Fork Compressor Tool counter-clockwise will lengthen the fork spring.

**WARNING!** Never use an impact wrench on the Fork Compressor Tool. Doing so could cause damage to the tool and/or bodily injury to you.

**5.** Turn the top nut of the Fork Compressor Tool clockwise with the 3/4" socket and ratchet. Only compress spring enough to release tension from the locknut. With a 14mm deep socket, remove lock nut from the damper rod.

**6.** Turn the top nut of the Fork Compressor Tool counter-clockwise with the 3/4" socket and ratchet to release tension on the fork spring. Remove fork assembly from the Fork Compressor Tool.



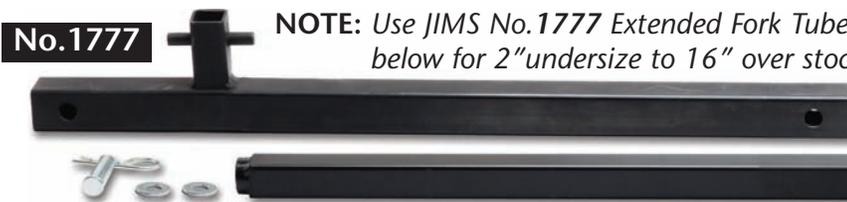
### FOR ASSEMBLY:

**NOTE:** Before assembling any fork tube and fork slider (lower leg) inspect for pits or worn surfaces on tubes. On lower leg inspect for any damaged fork seal surfaces and replace parts as needed.

Follow these instructions in reverse for assembly. Be sure to follow all guidelines as stated in disassembly.

**NOTE:** In some cases the damper rod will fall inside the fork tube assembly where it does not stick-up past the damper or FL adapter. In this situation, slide the damper rod extension JIMS® No. 1776-9 through the FL adapter or damper assembly and thread it onto the end of the damper rod. Pull the damper rod out of the tube assembly and unscrew the rod extension. Do not allow the damper rod to retract back inside the tube assembly. From there, thread the lock nut onto the end of the damper rod and continue to follow the instructions in reverse order.

**NOTE:** The internal screw of this tool comes pre-lubricated; however we have drilled an access hole approximately 6" below the top nut to lubricate this screw after extended use. Use a lubricant such as motor oil (not WD-40) to protect the threads of your tool after extended use or when top nut does not turn smoothly.



**NOTE:** Use JIMS No.1777 Extended Fork Tube Extension Tool with this tool No.1776 shown below for 2"undersize to 16" over stock length for longer fork tubes. Will work on most common style fork assemblies used on metric cruisers or motocross motorcycles. See instruction sheet 1777-IS at: [jimsusa.com](http://jimsusa.com)