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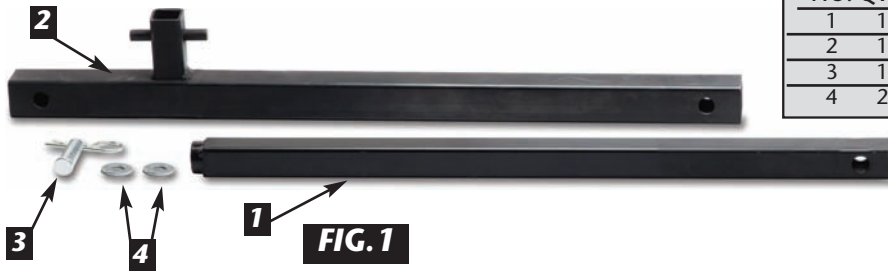
INSTRUCTION SHEET FOR TOOL No.1777-IS

EXTENDED FORK COMPRESSOR ADAPTER TOOL

This tool must be used with JIMS Front Fork Compressor tool No.1776

This adapter tool No.1777 will allow you to work on forks 2-inch undersize to approximately 16" oversized forks depending on the original length of the fork assembly. Will not work on inverted model forks.

PARTS AVAILABLE SEPARATELY			
NO.	QTY.	DESCRIPTION	JIMS PART NO.
1	1	SLIDE ADAPTER EXTENDER	1777- 1
2	1	SLIDE RECEIVER, EXTENDED	1777- 2
3	1	CLEVIS PIN W/COTTER PIN	1436
4	2	WASHER	2038



Other JIMS fork assembly service tools recommended from JIMS.

- | | |
|------------------------------------------------|---------------------------------------------------------|
| No. 2251 Fork leg and tube holder tool | No. 1414 Fork stem bearing removal tool |
| No. 1725 Fork neck cup and race installer tool | No. 2043 Fork nut socket |
| No. 2043 Fork oil level gauge | No. 2244 35mm hex nut top fork nut socket 3/8" drive |
| No. 905 Bike center jack | No. 2049 49mm fork, dust shield and fork seal installer |
| No. 2044 39mm seal & Delrin cap installer tool | No. 2045 35mm seal installer |
| No. 2046 39mm seal installer | No. 2047 41mm seal installer |

Read complete instructions thoroughly before assembling or using this tool. Refer to tool parts list and part number on this page while reading instruction sheet for reference.

NOTE: IF YOU DO NOT KNOW WHAT YOU ARE DOING, DO NOT DO IT! ALWAYS WEAR SAFETY GLASSES OR OTHER FACE AND EYE PROTECTION SUCH AS FULL FACE SHIELD. JIMS® IS NOT RESPONSIBLE FOR DAMAGE, INJURY, YOUR WORK, OR THE QUALITY AND SAFETY OF YOUR WORK.

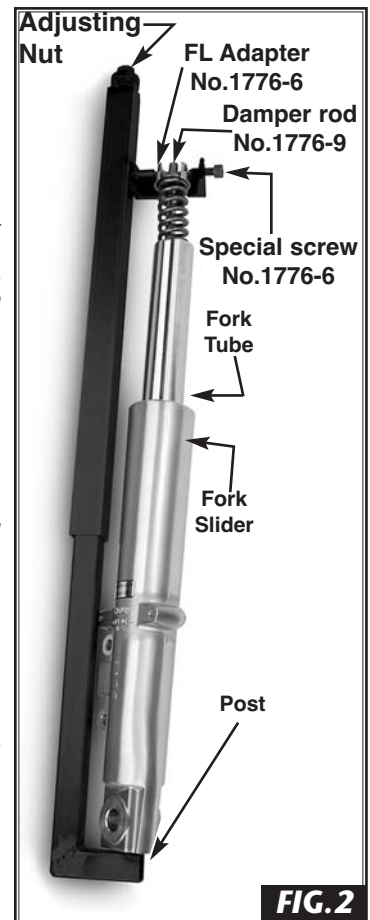
Hand tools needed to aid in the use of this tool:

- | | |
|---------------------|-----------------------|
| A. 3/4" Socket | B. 5/16" Allen Wrench |
| C. 14mm Deep Socket | D. 3/8" Drive Ratchet |
| E. Bike lift | |

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

Assembly of fork tool 1777

Preparing your Tool No. 1776 to receive Slide Adapter Tool 1777-1. Using your 3/4" socket un-screw your JIMS tool No. 1776 by turning the adjusting nut counter clock wise, until the main body slide No. 1776-10 has been removed. Set aside until needed for other fork service work. See **Fig 1 & 2**.



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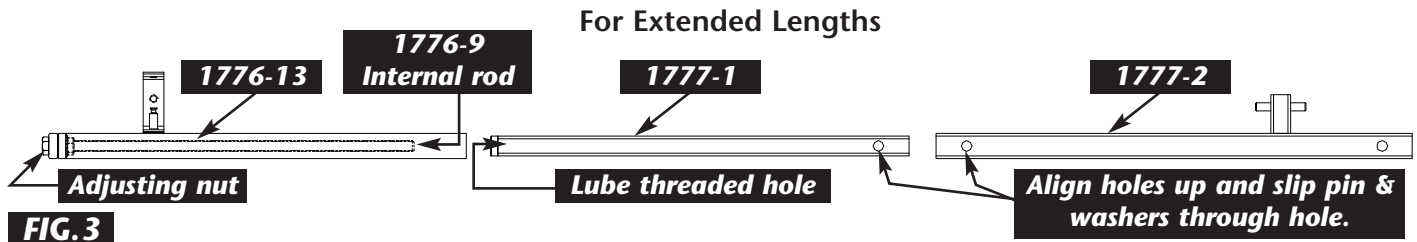


FIG. 3

Assembly of Fork Tool 1777

Apply good quality wheel bearing grease to the I.D. of threads of Tool No. 1777-1. With your 3/4" socket turn the nut at the end of tool No. 1776-13 until Slide Adapter Extender No. 1777-1 has been installed about 4" depending on the length of the forks you will be repairing. This will determine the place you install the pin in the side of Slide Receiver Extender No. 1777-2. The long end of Slide Receiver Extender No. 1777-2 has the pin hole at the farthest from the welded lower leg stop pin.

Next install one washer No. 2038 over the end of clevis pin No. 1436. Place Slide Receiver Extended No. 1777-2 over the end of Slide Adapter Extender No. 1777-1 until the holes align. Slip clevis pin No. 1436 through hole. Place one washer, No. 2038 over the end of clevis pin and then install cotter pin No. 1436 through the hole at the end of pin. See **Fig 4**

See **FIG 1** and **FIG 2** for Tool descriptions.

See **FIG 3** for Tool assembly.

DISASSEMBLY:

For removing front fork and wheel assemblies or just fork tube and slider assemblies, refer to service manuals for the year and model your working on for reference.

Use on all models with cartridge style forks.

Use this tool to compress the front springs in cartridge style shocks when servicing or rebuilding. The compressor can be mounted in a vise for easy hands free servicing. Also included is an adapter No. 1776- 3 for FL forks to eliminate direct contact with spring coil. A special rod is also included to pull up the fork damper rod. See **Fig. 2**

This tool can also be used for disassembly and assembly of most common conventional style hydraulic style forks that use a fork cap with plugs under spring pressure.

Use your service manual for year and model your working on for instruction on fork service work.

INSTRUCTIONS:

1. Clamp the Front Fork Compressor Tool, using parts of tool No.1776 and all of No.1777, 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. 5**
3. FOR FLHT MODELS: Place fork compressor FL adapter tool (No. 1776-3) over the top spring. See **Fig. 6** For all other models skip step 3.



FIG. 4

CAUTION: WEAR SAFETY GLASSES OVER YOUR EYE'S.
 SEE JIMS® CATALOG FOR HUNDREDS OF TOP QUALITY PROFESSIONAL TOOLS.
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WARNING! Only tighten the 2 allen screws enough to hold the FL adapter or damper assembly from turning as the fork compressor tool is compressing 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 two No. 1776-2 allen screws (See **Fig. 2**). 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.

**FIG.5****FIG.6**

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