

Technical Information

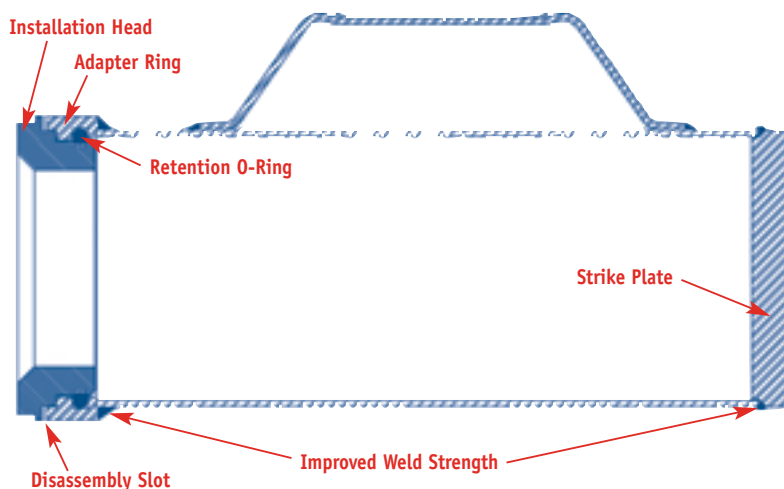
Tech Tip #012

January 18, 1999

Improved Universal Axle Tool Assembly Instructions

The STEMCO Universal Axle Tool (555-0001) has been redesigned for improved usage and durability. The new tool features an integral o-ring for head retention, in place of the old wave spring and key-plate. The o-ring makes head interchangeability simple and robust, and can be replaced when worn-out, giving a used tool new life.

Additional benefits include improved head retention during seal “bottoming”, reduced vibration, and reduced noise. The new retention system has been designed to be compatible with heads already in use by the customer. Weld joint strength has also been improved, making the tool last longer without failure. The new retention design requires a different assembly method for interchanging heads. Please refer to the instructions and pictures below.



HEAD INSTALLATION:

1. Begin by placing the tool, open-end up, on the floor.
2. Place the head into the tool opening.
3. Using both hands, snap the head into the tool by applying firm downward force to first one side of the head and then the other. A distinct ringing snap will be heard if performed properly. **NOTE:** A slight gap between the head and adapter ring is normal. This slot is used for disassembly as described below.
4. Lubricant may be periodically applied to the o-ring to aid head assembly.



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HEAD REMOVAL:

1. Place the tip of a large, flat screwdriver into the slot between the head and tool adapter ring.
2. Twist the screwdriver blade to a vertical position, allowing it to push the head out of the tool by widening the disassembly slot.
3. Continue removing the head by repeating step 2, working around the diameter until the head is freed. **NOTE:** The head may need to be held in place during this procedure to prevent it from slipping back into the tool.
4. The tool is now ready to accept another head.



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