A Division of Thiessen Products, Inc.

Instruction Sheet For Tool No. 977

Touring Model Stem Nut Wrench

No. **977** - *Use on 1996 to 2013 FLHT and 1994 to 2013 FLHR.*

This tool is used to loosen the top stem nut so you can adjust the steering head bearings. On FLHT models you will need to remove the outer fairing and on FLHR you will need to remove headlamp nacelle to gain access without removing the radio package.

Additional tools required for usage of this No. 977 tool :
H-D Service Manual or equivalent for the year and model you're servicing.
- 1/2" Drive Ft-lb torque wrench.
- 1/2" Drive breaker bar.

Instructions to loosen the top fork stem nut to perform neck bearing adjustments:

1. Refer to H-D service manual on how to gain access to the stem nut
2. Once you are there, you will need to fold back the stem nut lock washer tabs if your year and model has one. This lock washer sits underneath the stem nut. You will need to fold down the tabs with a long reach chisel, thin blade screw driver, or something comparable.
3. Once you have these tabs out of the way, you are ready to place JIMS tool No. **977** on the stem nut. **See Fig 1.**
4. Next, loosen the stem nut about two rotations using your 1/2" drive breaker bar installed into the handle of tool.
5. Refer to your service manuals steering head bearing adjustment section and follow the instructions for bearing adjustment.
6. After you have performed bearing adjustments per manual specifications, tighten the top stem nut using JIMS No. **977** tool with torque wrench installed into the handle end of the tool. **See Fig 1 .**
7. Tighten stem nut to H-D service manual specifications using a quality torque wrench. Position wrench at 90 degrees off handle as shown to reach the correct torque specification reading. **See Fig 2.**
8. Fold back up lock washer tabs to lock the stem nut in place.
9. Refer to H-D® Service Manual to reassemble fairing or headlight nacelle assembly.



FIG 1

FIG 2

Performance Parts For Harley-Davidson® Motorcycles