



A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR TOOL #784

OXYGEN (O₂) SENSOR WRENCH No. 784 USE ON 2010 TOURING MODELS



This tool is a must have for removing and installing H-D's new 4 wire heated Oxygen Sensors, No. 27729-10 rear and No. 27809-10 front. These new fragile O₂ sensors must be torqued to 14 ft-lbs. This tool is designed to be used with a 3/8" drive torque wrench.

NOTE: PLEASE READ ALL INSTRUCTIONS COMPLETELY BEFORE PERFORMING ANY WORK! IF YOU DO NOT KNOW WHAT YOU ARE DOING, DON'T DO IT!

Caution: Disconnect the negative ground cable at the battery and or remove the main fuse from motorcycle. ALWAYS WEAR SAFETY GLASSES OR OTHER FACE AND EYE PROTECTION SUCH AS A FULL FACE SHIELD. JIMS® IS NOT RESPONSIBLE FOR DAMAGE, INJURY, YOUR WORK, OR FOR THE QUALITY AND SAFETY OF YOUR WORK.

Read complete instructions thoroughly before using this tool.

Tools needed:

- 3/8" drive torque wrench that will torque 14 ft-lbs. If reusing sensors, be sure to replace sealing washer with H-D No. 11936 or equivalent. Anti – Seize lube
- H-D service manual or equivalent for the motorcycle you will be repairing.

Removing old Sensors

Caution: Let the exhaust system cool before removing sensors.

1. Wash off any dirt or grim around the threads of the sensors, unplug, and remove any retainers holding wires to sensors
2. Install JIMS No. 784 wrench over the sensor to be removed. Then attach your 3/8 drive torque wrench to remove sensor. **See Fig 1**

Note: There is a cut out in wrench for wires to pass through.

Installing New Sensors

Note:

1. If reusing sensors, be sure to replace sealing washer with H-D No. 11936 or equivalent. Apply a small amount of Anti – Seize lube to both the threads on the sensors and exhaust pipes threads.

Caution: Do not allow any Anti – Seize lube to get on the tip of the O₂ sensors.

2. Thread in the sensor using your fingers until snug.
3. With torque wrench set at 14 ft lb, attach it to the end of sensor wrench at 90 degrees. Next torque both sensors. **See Fig 2.**

Note: When applying Torque with any torque adaptor, you must always maintain 90 degrees (perpendicular) from the torque wrench to adaptor. **See Fig 2.**

4. Reconnect all wires.

Caution: Make sure all wires are mounted as they were before removal and not allowed to make contact with the HOT exhaust system.



FIG. 1



FIG. 2

Performance Parts For Harley-Davidson Motorcycles