

T.F.T Tools Inc

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TORQUE WRENCH SETTING INSTRUCTIONS

- Hold handle sleeve and rotate locking knob counterclockwise. (1/3 turn). This unlocks the wrench handle.
- Rotate handle sleeve until required torque setting is on the cursor in setting window ensuring that setting is approached from a lower value. The upper scale nearest the ratchet head is in N.m and the lower scale in ft. lb. (1 ft. lb. = 0.73756 N.m.)
- Rotate locking knob clockwise approximately 1/3 of a turn until it comes up against its stop. This locks the wrench handle.
- Setting for ratchet direction. Simply slide the ratcheted reversing lever back and forth depending upon the desired ratcheting direction.
- Fit required socket size to square drive of the ratchet.

OPERATING INSTRUCTIONS

- Place socket over fastener and pull wrench until ratchet mechanism clicks and tool is felt to give slightly. Stop pulling immediately.
- For the most accurate results pull torque wrench *slowly and squarely* from the center of the handle with the tool *perpendicular* to the axis of the bolt.
- Do not use the torque wrench in a fast or jerking motion.
- The tool mechanism automatically resets when hand pressure is relaxed, ready for the next tightening cycle.

ACCIDENT PREVENTION

- A torque wrench is a precision tool for the accurate tightening of nuts and bolts. It should never be used as a lever to undo frozen nuts.
- When tightening or loosening a nut it is possible that something might break or slip. Always stand firmly with one foot well in front of the other and pull the torque wrench towards you.
- Make sure that the socket is the correct size to fit the nut and is in good condition.
- Use an extension driver between the wrench and the socket if there is any danger of scraping your knuckles due to a sudden release.
- Accidents can occur using the simplest tools so be safety conscious.

FOR BEST RESULTS

- Do treat your torque wrench like a precision instrument.
- Do operate the tool several times to re-distribute lubrication on the torque mechanism when it has not been used for some days.
- Do refer to makers handbook or recognized repair manual for correct torque settings.
- Do tighten cylinder head studs in the recommended pattern.
- Do set the torque wrench at a lower figure (3/4 of required figure) tighten all nuts then re-set to final figure and tighten again (see illustration).

WARNING

- Never immerse the tool in gasoline or any other solvent to clean it: plastics and adhesives employed in the construction of the adjustment mechanism react to some chemical agents and the tool will be severely damaged and the warranty void.
- Never use extension tubes over the handle to make it easier to pull: this practice not only damages the tool, but an incorrect torque will be applied.
- The use of "crow foot" type extensions on the square drive also results in a torque other than the set torque being applied.
- Never use your torque wrench to undo "frozen" nuts/bolts.
- To ensure correct calibration when storing the wrench, always reset the wrench to the mark as pictured. Never drive the adjustment past the clearly defined upper and lower limits of the scale.
- Don't quickly jerk the tool when tightening, a smooth continuous pull gives more accurate results.
- Don't use grease or molybdenum compounds on screw threads before torque tightening.