

Titan (Click Wrench) Calibration Instructions

(Rev 1.1 4/11/17)

Calibrating Torque Wrenches

If the wrench needs to be dis-assembled for adjustment, follow the instructions below.

Finding of Deviation

1. Set the torque wrench at the lowest torque value that tool the can perform.
2. Check the actual torque value using a torque tester.
3. Note the deviation between the actual torque value and set torque value (might be higher or lower than set value).
4. If a deviation was found (+ or -) it is necessary to dis-assemble the torque wrench.

Dis-Assembly of Torque Wrench

1. Set the torque wrench at the lowest torque value that tool the can perform.
2. Release cylindric pin (1) from the end of the handle (see drawing on page 2).
3. Remove retaining knob (2) together with ball (3) and spring (4).
4. Take off handle (5) with scale ring (6) from the tube (7).

Adjustment from Lowest Torque Value

1. Set the torque wrench at the lowest value (against your torque tester).
2. Release scale screw (8).
3. Move the scale until red marking from the plastic window (10) covers the lowest value on the scale sheet (9).
4. Tighten scale screw (8).

Adjustment from Maximum Torque Value

1. Set the torque wrench at the maximum torque value that tool the can perform.
2. Release set-screw (11) - accessible from the outside through-hole in the tube.
3. If the actual value was higher than set value turn adjustment screw (12) in clockwise direction, if the actual torque value was lower than set torque value turn adjustment screw (12) counter-clockwise. Compare the readings against your torque tester.
4. If set torque value is reached tighten set screw (11) again.
5. Set the torque wrench at the lowest value again, re-check its accuracy, and then re-assemble the torque wrench.

Re-assembly of Torque Wrench.

1. Zero point and marking of the scale ring (6) have to be in line with scale frame
when pushing scale ring (6) and handle (5) onto the tube (7).
2. Insert retaining knob (2) with ball (3) and spring (4) into handle (5).
3. Fix the cylindric pin (1) in the end of handle again.

Note: If the adjustment was not successful or tolerances are caused by wear and tear of mechanical parts, we recommend to return the torque wrench to our repair facility for repair/adjustment.

Mountz Service Locations

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