

Calibration Procedure for JETCO ED series of electronic dial torque wrenches:

(do not attempt to calibrate the wrench if you do not have the proper equipment).

Recommended calibration interval is one year or sooner depending on usage. Do not over torque the wrench.

Equipment required:

- 1. Electronic or mechanical torque tester**
- 2. Loading means (weights or a mechanical loader).**

NOTE: The wrench is calibrated by loading it to eight pre-determined points (three clockwise and three counterclockwise plus zero).

For example, to calibrate a 250 ft.lb. wrench you must have the ability to apply exactly 25 ft.lb. (10% of full scale), 125 ft.lb. (50%) and 250 ft.lb. (100%)

in both the cw and ccw direction.

You cannot load the wrench by hand and expect to get an accurate calibration, the wrench is too accurate and sensitive for this type of calibration.

Procedure:

1. When the wrench is OFF, press the Clear/On key and the Mode key at the same time. The wrench will turn on showing: "C..." for a moment.

The wrench will then display "C 0". Load the wrench to full scale (CW) three times.

Then, with absolute zero torque applied (remove wrench from fixture), press the Mode button to accept zero.

2. The wrench will now show "C-10". This means apply 10% of full scale to the wrench.

If the wrench is a 250 ft.lb. wrench apply exactly 25.00 ft.lb.

(10% of full scale). With a stable 10% load (either by hanging the proper weights or by loading with a loader) press the Mode key to accept the 10% torque value IMPORTANT! After loading the torque and pressing the mode key the wrench will wait approximately 3 seconds to take a reading to allow the torque to stabilize, do not touch the wrench, or go on to the next step until the wrench prompts you to do so.

3. Repeat above procedure for 50% (C-50) and 100% (C-100) in the Clockwise torque direction.

4. After completing the CW 100% direction the wrench will display "C 0" and the direction icon will point to CCW. Load the wrench to full scale (CCW) three times. Then, with absolute zero torque applied (remove from loader) press the Mode button to accept zero.

5. The wrench will now show "C-10". This means apply 10% of full scale to the wrench (this time in the counterclockwise direction). If the wrench is a 250 ft.lb. wrench apply exactly 25 ft.lb.

(10% of full scale). With a stable 10% load (either by hanging the proper weights or by loading with a loader) press the Mode key to accept the 10% torque value.

6. Repeat for 50% (C-50) and 100% (C-100) in the Counterclockwise direction.

6. After pressing the mode key for the CCW 100% value the wrench will go directly into the track reading mode and should show the applied torque value. (100% in the CCW direction)

7. Test the wrench in track mode for calibration accuracy. Make sure you load the wrench 3 times to full scale and press the zero tare buttons after changing torque directions.

Troubleshooting

The wrench will not turn on or turns off under use:
Install a fresh 9 volt battery

The LED's light upon power-up but contrast on the LCD display is poor or not visible:
Change the contrast by pressing the mode and target minus keys. The contrast takes time to adjust so hold for several seconds to see the contrast change.

The wrench will not zero tare (residual torque on LCD):
Over torque has occurred-return for repair

The wrench does not pass calibration:
Calibrate per above instructions

The Lights do not work when I reach the target torque:
Set the target zone from "OFF" to a value from 1-10% (see instructions)

The wrench shows full scale when turned on:
Improper calibration. Calibrate per above instructions