

## CERTIFICATION

This torque wrench as calibrated at the factory, is certified to meet the accuracy in specifications: ASME B107.14M-1994 and ISO 6789. Additionally all wrenches are calibrated on a torque standard traceable to the National Institute of Standards Technology (N.I.S.T.).

## CONVERSION TABLE

To convert From	To	Multiply by
lb.in.	oz.in.	16
lb.in.	lb.ft.	.08333
lb.in.	kg.cm.	1.1519
lb.in.	kg.m.	.011519
lb.in.	N.m.	.113
lb.in.	dN.m.	1.13
lb.ft.	kg.m.	.1382
lb.ft.	N.m.	1.356
N.m.	dN.m.	10
N.m.	kg.cm.	10.2
N.m.	kg.m.	.102
oz.in.	lb.in.	.0625
lb.ft.	lb.in.	12
kg.cm.	lb.in.	.8681
kg.m.	lb.in.	86.81
N.m.	lb.in.	8.85
dN.m.	lb.in.	.885
kg.m.	lb.ft.	7.236
N.m.	lb.ft.	.7376
dN.m.	N.m.	.10
kg.cm.	N.m.	.09807
kg.m.	N.m.	9.807

## FOR YOUR PERMANENT FILE

WRENCH  
MODEL  
NUMBER \_\_\_\_\_  
SERIAL  
NUMBER \_\_\_\_\_

## OPERATION MANUAL

JOIN THE  
PROFESSIONALS  
WITH YOUR NEW

PRESET  
TORQUE SCREWDRIVER

**CDI** **TORQUE**  
PRODUCTS

**CDI** **TORQUE**  
PRODUCTS

19220 San Jose Avenue  
City of Industry, California 91748-1497  
PHONE (626) 965-0668 or (800) 525-6319  
FAX (626) 965-2410 or (626) 810-2759  
WEB SITE: [www.cditorque.com](http://www.cditorque.com)

FORM 20-270A-CDI  
3/01 REV. A

THE CHOICE OF PROFESSIONALS  
THROUGHOUT THE WORLD FOR  
ACCURACY, DURABILITY AND  
CALIBRATION RELIABILITY.



## SAFETY MESSAGES



### WARNING



Read operation manual completely before using torque instrument and store for future reference.



Wear safety goggles-both user and bystanders

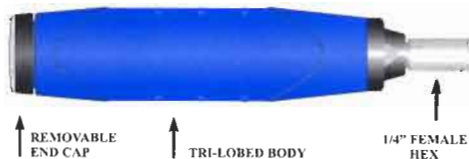


- An out of calibration torque screwdriver can cause part or tool breakage
- Periodic re-calibration is necessary to maintain accuracy
- Do not exceed rated torque specifications as overtightening can cause screwdriver or part failure
- Broken or slipping tools can cause injury

## MAINTENANCE / SERVICE

1. The torque screwdriver's internal mechanism is permanently lubricated during assembly. **Do not attempt to lubricate the internal mechanism.**
2. Clean torque screwdriver by wiping. **Do not immerse..**

## ADJUSTMENTS OF TORQUE SETTINGS



To set screwdriver to desired torque:

1. Determine proper torque to be applied to the fastener.
2. Use a certified torque tester that is accurate within a range suited to screwdriver torque range.
3. Remove end cap at the base of screwdriver. See (FIGURE I)



FIGURE I

4. Place screwdriver on tester and cycle several times observing the torque setting displayed on the tester.
5. With a 1/8" hex key adjust the set screw at the base of the preset torque screwdriver. Turn clockwise (cw) to increase the amount of torque and counter-clockwise (ccw) to decrease the amount of torque.

6. Adjust until the desired torque setting is reached. Turn the screwdriver several more times on the tester and fine tune the setting to as repeatable a number as possible. Replace end cap.
7. Install the proper bit into the hex receiver and the screwdriver is ready to use.
8. To torque fastener, keep hand centered on the handle. Turn handle until a click/impulse is heard or felt. Stop turning, the screwdriver will automatically reset for the next operation.

**USE PERPENDICULAR  
IN LINE WITH FASTENER**



**SIDE LOADING NOTE:  
WHEN APPLYING TORQUE THE  
SCREWDRIVER MUST BE KEPT  
PERPENDICULAR TO THE PLANE OF USE  
(EITHER HORIZONTAL OR VERTICAL).  
INACCURACIES IN TORQUE READINGS MAY  
OCCUR FROM APPLYING A "SIDE LOAD".**