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 _____

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

FORM 20-30-CDI
4/00 REV. A

OPERATION MANUAL

JOIN THE PROFESSIONALS WITH YOUR NEW

PRESET INTERCHANGEABLE HEAD TORQUE WRENCH

CDI TORQUE PRODUCTS

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 wrench can cause part or tool breakage
- Periodic re-calibration is necessary to maintain accuracy
- Do not exceed rated torque as overtorquing can cause wrench or part failure
- Do not use torque instrument to break fasteners loose

- Do not use cheater extension on the handle to apply torque
- Broken or slipping tools can cause injury

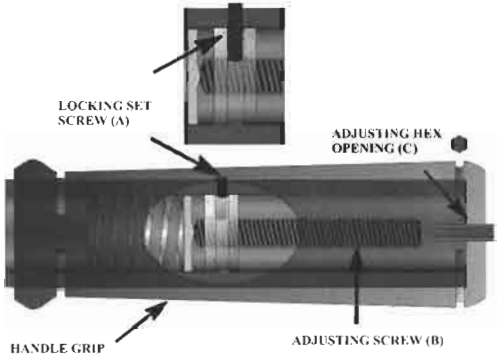
CAUTION - RATCHET HEAD

Ratchet mechanism may slip or break if dirty, mismatched or worn parts are used, or direction lever is not fully engaged. Ratchets that slip or break can cause injury.

MAINTENANCE / SERVICE

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

ADJUSTMENTS OF TORQUE SETTINGS



SETTING TORQUE

1. To set the torque values, loosen locking set screw (A) with a 3/32" hex wrench.
2. Insert interchangeable plain drive head (D) (consult factory for model number) into receptacle (F) until the locking pin (E) is fully engaged with the corresponding receptacle hole. (See Figure I)
3. Place a T- handle hex wrench through adjusting hex opening (C) at rear of handle grip until engaging the adjusting screw (B).
4. Place the wrench on a torque tester. Turn adjusting screw (B) with the T- handle hex wrench clockwise to increase torque and counter-clockwise to decrease torque.
5. To set torque, apply a slow steady force on the preset wrench. Turn adjusting screw (B) until the desired torque setting is displayed on the torque tester.
6. Tighten the locking set screw (A). To ensure that wrench setting is repeatable, cycle three more times. If the readings are not as desired, repeat steps 1-5.

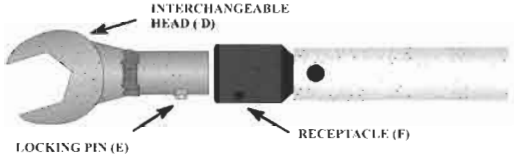


Figure I

NOTE:

- **Some interchangeable heads used in preset torque wrenches have lengths that vary.**
- **It is recommended that the preset torque wrenches are to be calibrated with the interchangeable head that is to be used to assure the greatest accuracy in calibration.**
- **Hex wrenches used to adjust torque settings will vary in length.**

To verify calibration or to torque a fastener, keep hand centered on the handle grip. Apply a slow force until a click/impulse is heard or felt. Stop and allow the wrench to reset.