

# ***Pro-Set***<sup>®</sup>

## **Torque Wrench Kit #TLTWSAE Imperial**

(5/8, 11/16, 13/16, 15/16, 1 1/16, 1 5/16)



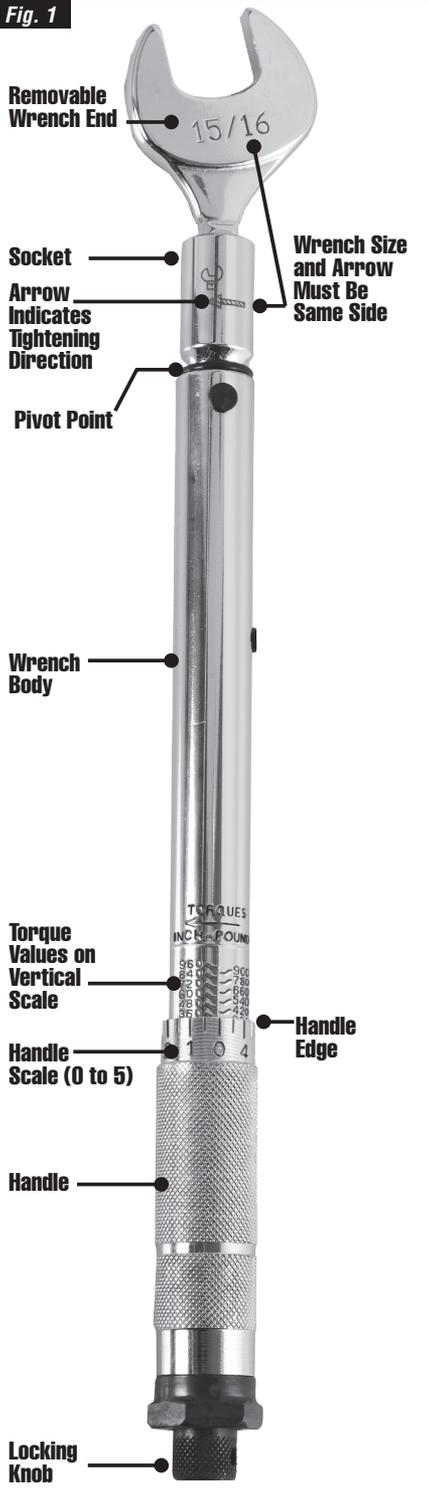
### **Instructions for Use**

Français, Español, Deutsch and latest updates: [www.cpsproducts.com](http://www.cpsproducts.com)

**cps**<sup>®</sup>

[cpsproducts.com](http://cpsproducts.com)

Fig. 1



## BEFORE USE

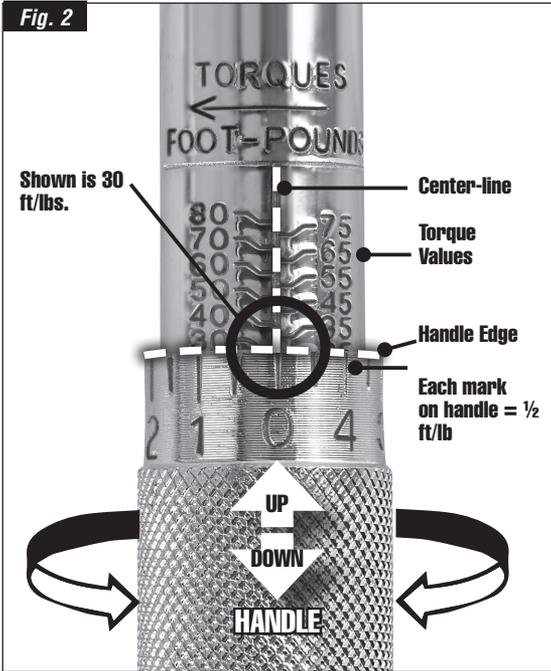
- To retain wrench accuracy, **DO NOT LOOSEN** nuts, bolts, etc. **USE ONLY FOR TIGHTENING.**
- Apply a small amount of oil between handle and wrench body.

Note: If wrench is not used for an extended time, turn handle to lowest torque setting on wrench body. Rotate handle in both directions while making a few “clicks”. This re-lubricates the wrench.

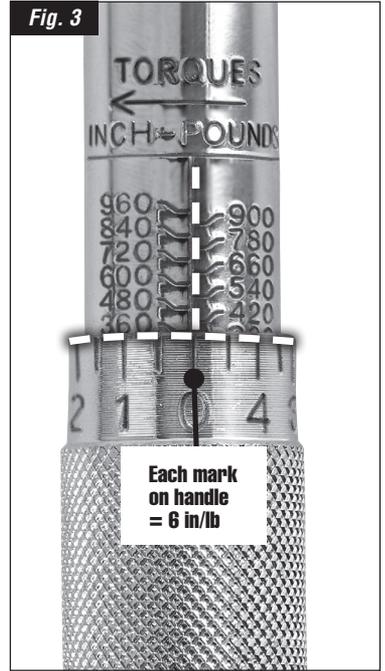
## INSTRUCTIONS

1. **Select Wrench** from case.
2. Insert END into socket. Wrench size and arrow must be same side.  
**Fig. 1**
3. **Loosen Locking Knob** *counterclockwise* to *unlock* handle.
4. Select FOOT-Pound Scale **Fig. 2** or INCH-Pound scale **Fig. 3**
5. **Determine Proper Torque Setting For Equipment Being Serviced** (use setting specified by equipment manufacturer).
6. To obtain torque values ending in ‘0’, **align (0) and Handle Edge with Torque Value On Vertical Scale** See **Fig. 2** and **Fig. 4**.
7. For torque values NOT ending in ‘0’, twist handle and align appropriate handle mark at handle edge with **Torque Value On Vertical Scale**.
8. **Tighten Locking Knob** *clockwise* to lock in your torque setting.
9. **Tighten Equipment Fitting, Bolt, Nut Until Clicks Are Felt/Heard From Pivot Point** Note: To prevent tool damage, avoid further pressure on wrench after torque (clicks) achieved.

## Foot/Pound Scale (5-80)



## Inch/Pound Scale (60-960)



### Example 1: Set Wrench to 7 ft/lb

- Position wrench handle so Foot/Pound scale is visible.
- Twist handle until "0" mark aligns with Center-line and 5 Foot/Pound torque value.
- Twist handle **RIGHT 4 detents (1 detent = 1/2 Foot/Pound)** stopping at the "2" Mark on the Handle (while aligned VERTICALLY with the Center-line).
- Final setting ( $5 + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 7$ )
- Wrench is now set to 7 Foot/Pounds.

Torque Value	+	Handle Scale Value	=	Final Torque Value
5		0		5
5		+1/2 detent		5.5
5		+1 detent		6
5		+1 1/2 detents		6.5
<b>5</b>		<b>+2 detents</b>		<b>7</b>

### Example 2: Set Torque Wrench to 72 in/lb

- Position wrench handle so Inch/Pound scale is visible.
- Twist handle until '0' mark aligns with Center-line and 60 Inch/Pound torque value.
- Twist handle **RIGHT 2 detents (2 detent = 12 Inch/Pound)** stopping at first "1" mark on handle.
- Final setting ( $60 + 6 + 6 = 72$ )
- Wrench is now set at 72 Inch/Pounds.

Torque Value	+	Handle Scale Value	=	Final Torque Value
60		0		60
60		+ 1/2 detent		66
<b>60</b>		<b>+1 detent</b>		<b>72</b>

**Fig. 4**

FOOT/POUND SETTINGS On Wrench Body	HANDLE SCALE SETTING	INCH/POUND SETTINGS On Wrench Body	ACCURACY
5	0	60	+/- 4% (All Settings)
10	0	120	
15	0	180	
20	0	240	
25	0	300	
30	0	360	
35	0	420	
40	0	480	
45	0	540	
50	0	600	
55	0	660	
60	0	720	
65	0	780	
70	0	840	
75	0	900	
80	0	960	

## STORAGE

- Loosen Locking Knob.** Turn Knurled Handle to lowest torque setting on Body Scale.
- Remove Wrench End** and place all components back in Storage Case.
- Store kit in dry location.**

REPLACEMENT PARTS	
TLTWSAE	SAE Multi-Head Torque Wrench Set with handle, heads and case ( $\frac{5}{8}$ " , $\frac{11}{16}$ " , $\frac{13}{16}$ " , $\frac{15}{16}$ " , $1\frac{1}{16}$ " , $1\frac{5}{16}$ " )
TLXTWSAE	Set of SAE Wrench Heads $\frac{5}{8}$ " , $\frac{11}{16}$ " , $\frac{13}{16}$ " , $\frac{15}{16}$ " , $1\frac{1}{16}$ " , $1\frac{5}{16}$ " Jaw Sizes
TLXTWSAEW	SAE Torque Wrench Handle
TLXTW58	$\frac{5}{8}$ " Individual wrench head
TLXTW1116	$\frac{11}{16}$ " Individual wrench head
TLXTW1316	$\frac{13}{16}$ " Individual wrench head
TLXTW1516	$\frac{15}{16}$ " Individual wrench head
TLXTW1L116	$1\frac{1}{16}$ " Individual wrench head
TLXTW1L516	$1\frac{5}{16}$ " Individual wrench head

## LOCATIONS

### CPS PRODUCTS, INC. U.S.A. (Headquarters)

1010 East 31st Street,  
Hialeah, Florida 33013, USA  
Tel: 305-687-4121,  
1-800-277-3808  
Fax: 305-687-3743  
E-mail: info@cpsproducts.com  
Website: www.cpsproducts.com

### CPS PRODUCTS CANADA LTD.

1324 Blundell Road  
Mississauga, ON, L4Y 1M5  
Tel: 905.615.8620, Fax: 905.615.9745  
E-mail: info@cpsproducts.com  
Website: www.cpsproducts.com

### CPS PRODUCTS N.V

Krijgsbaan 241, 2070  
Zwijndrecht, Belgium  
Tel: (323) 281 30 40,  
E-mail: info@cpsproducts.be

### CPS AUSTRALIA PTY. LTD.

109 Welland Avenue,  
Welland, South Australia 5007  
Tel: +61 8 8340 7055,  
E-mail: sales@cpsaustralia.com.au