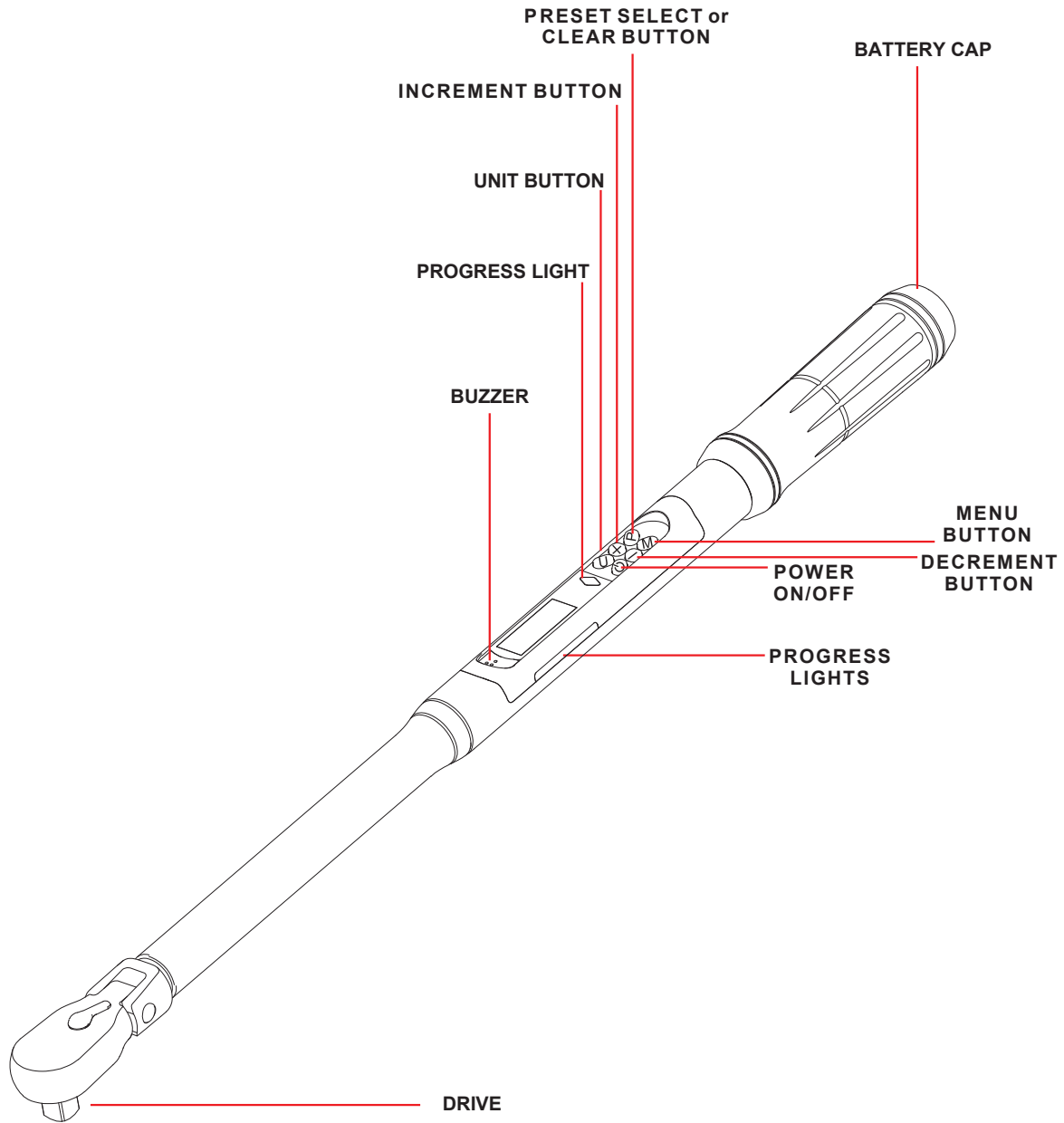




Digital torque wrench



Components and Features

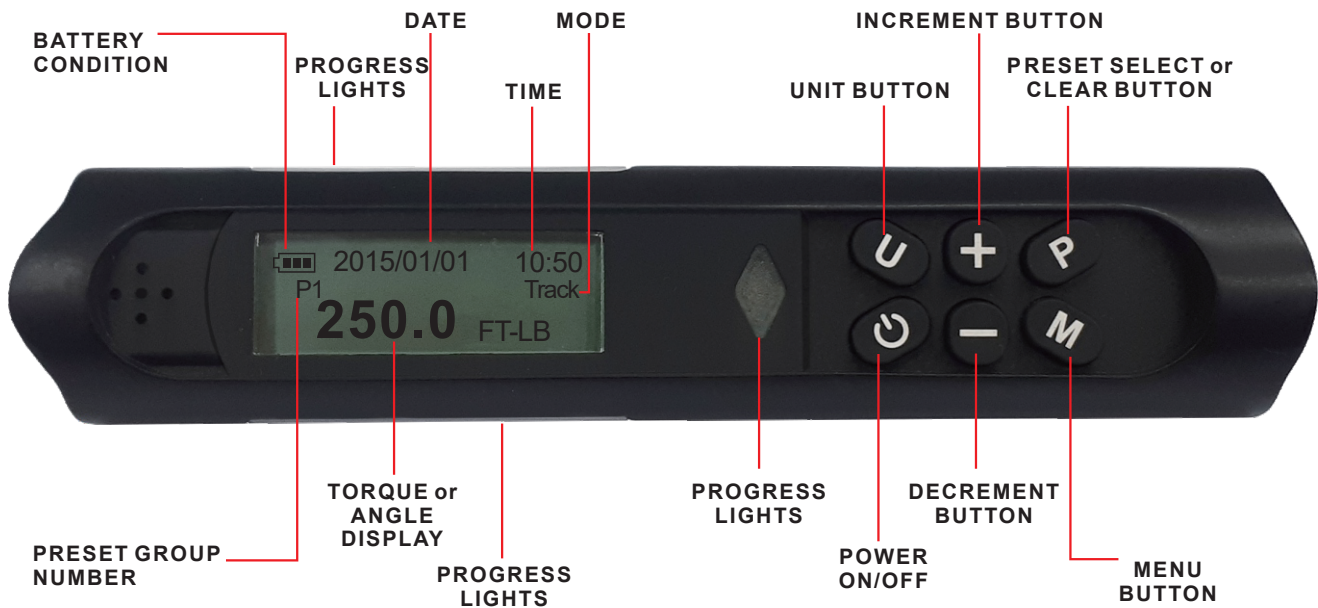


Product Specification

	K 2767	K 2766	K 2765
Accuracy	CW±2% , CCW±3%		
Memory	999		
Display resolution	0.1	0.1	0.01
Display range	17.0~340.0 (N.m)	7.0~136.0 (N.m)	1.40~27.00 (N.m)
	12.5~250.0 (ft-lb)	5.0~100.0 (ft-lb)	1.00~20.00 (ft-lb)
Drive	1/2"	3/8"	1/4"
Operation mode	Peak/Track		
Unit selection	ft-lb, in-lb, N.m, kg-m	ft-lb, in-lb, N.m, kg-cm	ft-lb, in-lb, N.m, kg-cm
Length	683.5mm	513.7mm	311mm
Weight	1.96 kg	1.04 kg	0.43 kg
Gear teeth	72		
Key	6		
Battery	AAx3	AAx3	AAx1
Battery life	20 hrs (4 times/min)		
Operating ambient temperature	5~42°C(41°F~108°F)		
Storage temperature	-20~70°C(-4°F~157.9°F)		
Operating relative humidity	15~90% noncondensing		
Auto shut off	2 minutes (can be set by the user)		

User Instructions

- Top view



Features

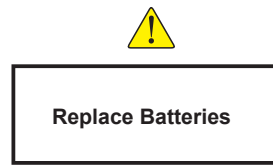
- 9 storable preset modes
- Torque or Angle measurement
- Track mode to display real time of torque
- Peak mode to hold and flash peak mode torque
- Memory recall to display the last 999 peak torque or angle readings
- LCD backlight design
- Over-torque warning information
- Directive progress lights
- Directive buzzer and vibration warning

Keys Functions

- U** **UNIT** – change units (**FT-LB, IN-LB, NM, KGM**) and Angle mode
- POWER** – press button for 3 seconds to shut down torque wrench
- +** **UP** – increments torque and angle settings and menu navigation
- **DOWN** – decrements torque and angle settings and menu navigation
- P** **PRESET/CLEAR** – Select preset group number or clear the applied values
- M** **MENU** – menu entry

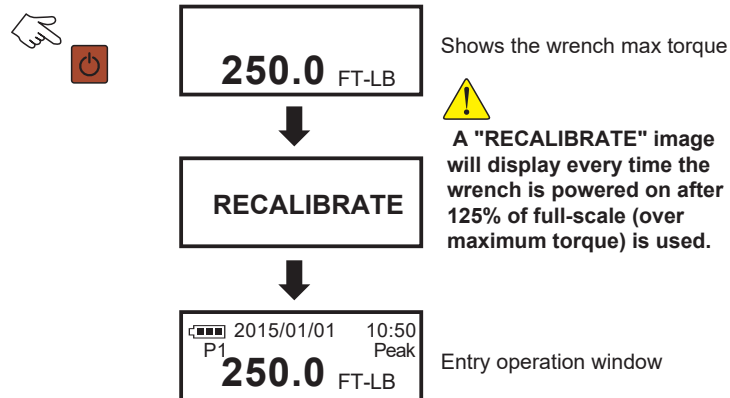
Operating Wrench

Note: If the battery is low, the LCD will show "Replace Batteries".



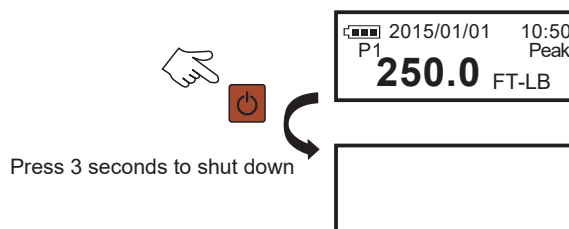
1. Turn On/Off the wrench

Turn On- Press **POWER**  button



Turn Off- Press **POWER**  button for 3 seconds.

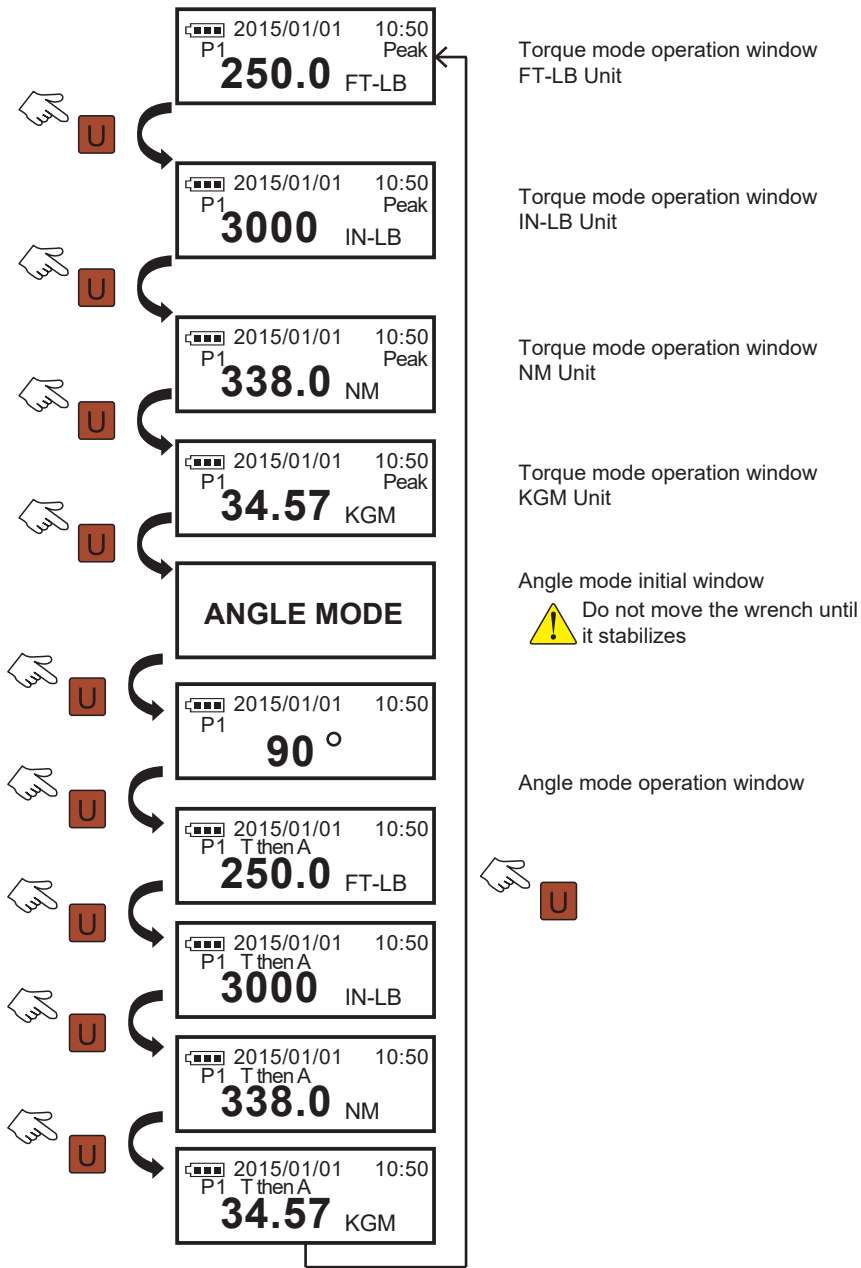
(Auto shut off after 2 minutes non-usage (sleep time can be set in the menu.)



A "RECALIBRATE" image will display every time the wrench is powered on after 125% of full-scale (over maximum torque) is used.

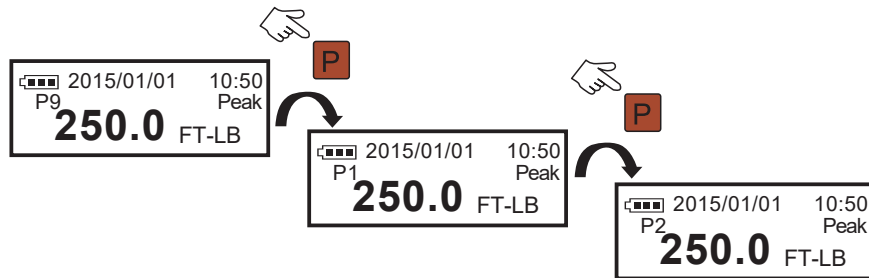
2. Unit Select

Press **UNIT** **U** button to select torque unit , angle mode or torque then angle.







3. Preset Select

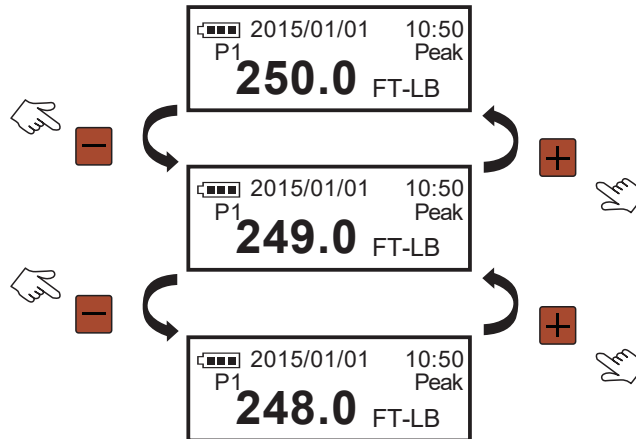
Every preset group number can be saved when you press **PRESET** **P** button.



4. Preset Setting

The preset setting status will be saved in current setting. There are three set points.



- **Torque Value**- Press **UP**  or **DOWN**  button to increase or decrease the value.
- **Unit**- Press **UNIT**  button to select torque unit or angle mode or Torque then Angle mode.
- **Mode**- Press **MENU**  button into menu and select “**MODE**” to change Peak or Track.



- **Torque Mode Measurement**

Once powered on, you may begin using the torque wrench. After force has been applied, the LCD will display the actual torque value. Under Peak Mode, when the set value is not reached, the LCD will display the last torque value attained. The last reading will flash 10 seconds, but will stop flashing if additional force is applied. If the torque value is exceeded, the peak torque will flash for 10 seconds then the LCD will return to display the set torque value. If the torque value equals the set value, a vibration and buzzer will automatically function.

- **Angle Mode Measurement**

After entering Angle mode by pressing the **UNIT**  button and selecting your desired units, you may start to use the angle function. When you apply the angle, the wrench will only calculate angle degrees as the applied torque achieves 5% of the full-scale of the torque wrench. The LCD display shows the actual applied angle degrees. After applying angle degrees, the degree is displayed, and the display will flash “maintain 10 seconds. The degrees can be continuously applied until reaching the set target angle degrees. If the applied angle degrees do not reach the setting values, the final values you apply will display the accumulated angle until clear by pressing **CLEAR**  or after 10 seconds to revert back to preset.

- **Torque then Angle Mode**

Press "UNIT" button in Angle Mode to enter "T then A" Mode. In this mode, you can preset

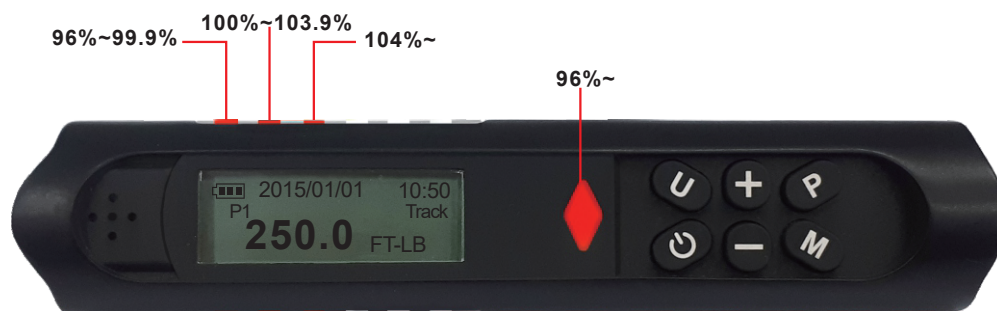
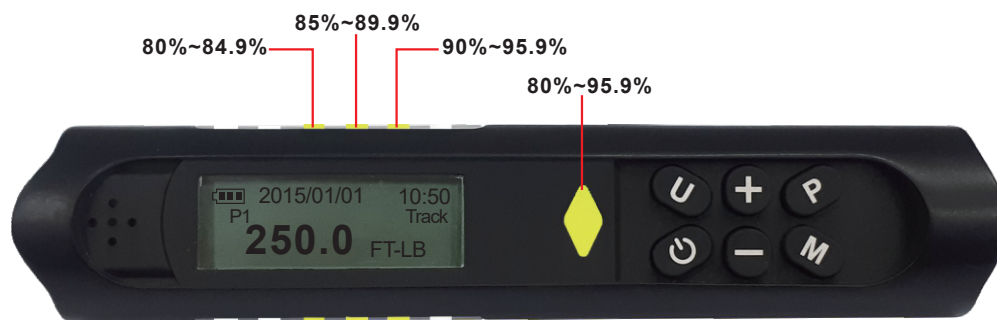
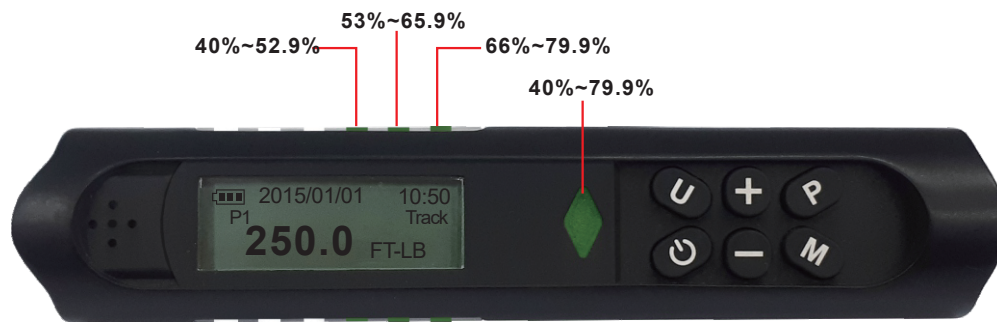
the torque value. When it reaches the preset torque value, it will automatically switch to Angle Mode, then start angle function (the angle preset value must be set in Angle Mode first).



Back to Preset Values Display - If you do not want to wait 10 seconds for the applied values to reset, you may press **CLEAR P** to force the system to clear the applied values and return back to the Present Value Display. This same function can be applied in "Angle Mode" or "T then A Mode."

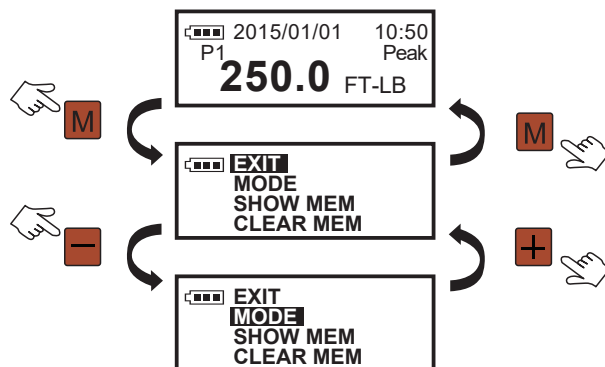
● **Caution Light/buzzer/vibration**

If the applied torque values or angle degrees reach 100% of the set values, the vibration and buzzer will act. If more than 104% of the set value is applied, the red LED lights will flash. As the applied torque values or angle degrees reach the set values, the lights illuminate to represent the percentage of applied value range achieved.



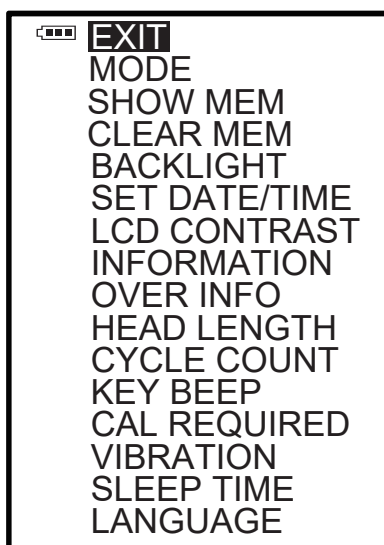
5. Entry Menu function

Press MENU **M** button



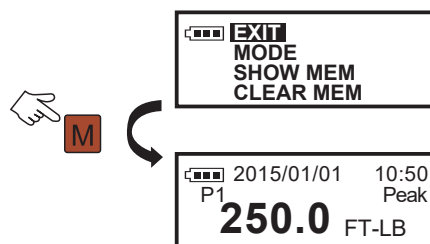
Menu Function

Menu settings as following



- EXIT

Exit the menu



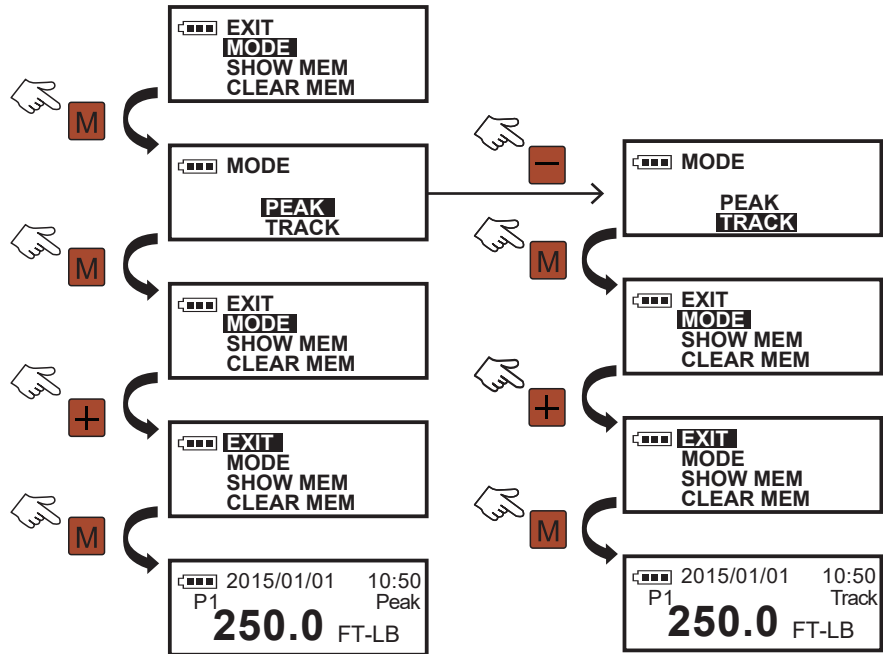
- **MODE**

Peak Mode- To maintain Peak Torque, hold the Peak Torque 10 seconds, LCD will flash and save into memory.

When releasing forced torque, the LCD will show real-time torque value and keep flashing 10 seconds then the value will be recorded into memory.

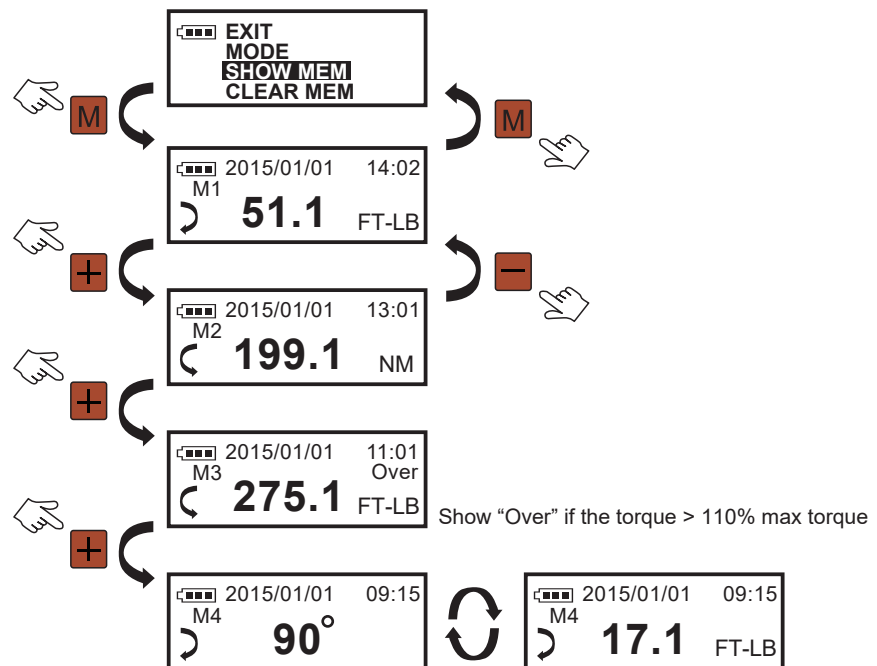
Track Mode- Display torque in real time on the LCD.

The real-time value will display on LCD. If you release force, the torque value will not be shown on LCD and not be saved into memory data.



- **SHOW MEM**

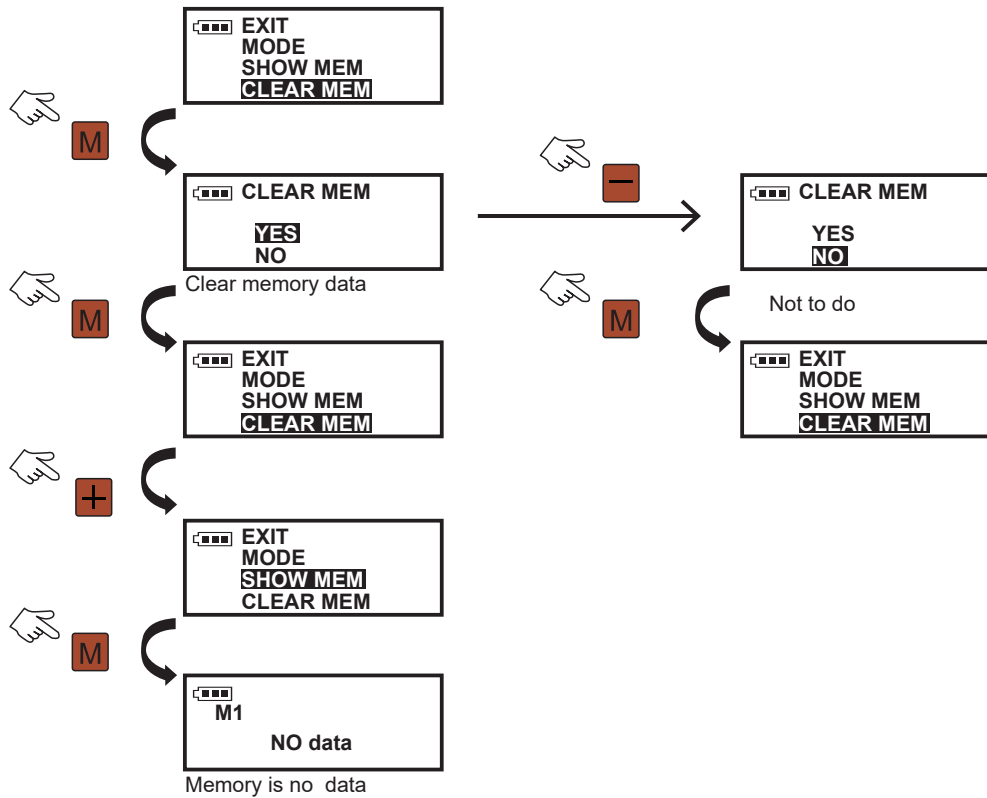
When you are working in Peak Mode or Angle Mode measurement, the value will be saved into memory. Press "M" button to select "SHOW MEM" to display stored date /time/torque value or angle value.



Exchange angle and torque values if using Angle Function

- **CLEAR MEM**


Clear all stored torque and angle data.

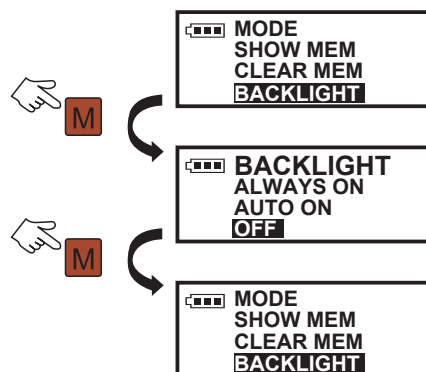


- **BACKLIGHT**

ALWAYS ON: The backlight will always turn on.

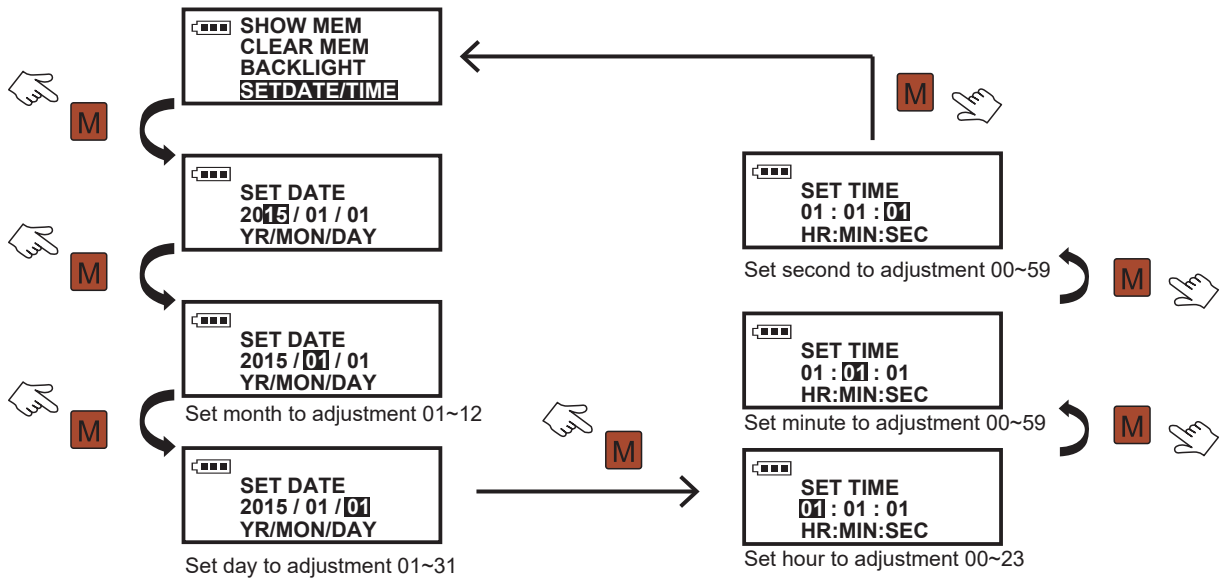
AUTO ON: When any button is pressed, the backlight will activate. (The light will remain on for 20 seconds)

OFF:  key to turn on/off the backlight. (The light will remain on for 20 seconds)



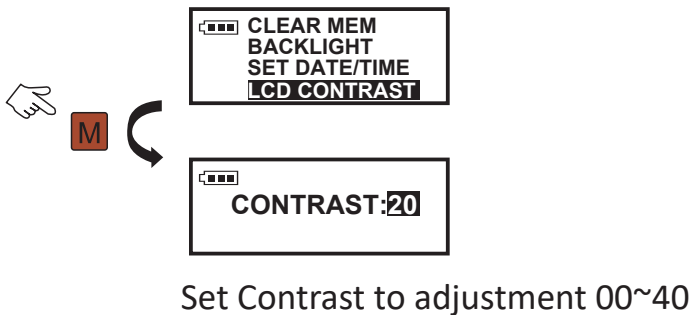
● **SET DATE/TIME**

Press **MENU** **M** button into SET DATE/TIME and press **UP** **+** or **DOWN** **-** button to increase or decrease the setting.



● **LCD CONTRAST**

Press **MENU** **M** button into LCD CONTRAST, press **UP** **+** or **DOWN** **-** button to increase or decrease CONTRAST.

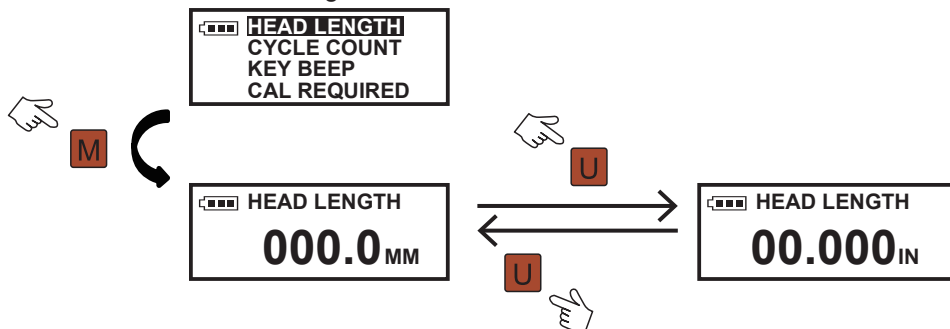


● **HEAD LENGTH**

When using an extension bar, please enter the length of extension bar. The torque value can be calculated after entering the length. (Press "U" button to select length unit-MM or IN).

Torque calculation formula:

$$\frac{\text{Torque Value}}{\text{Wrench Length}} \times (\text{Wrench Length} + \text{HEAD LENGTH})$$

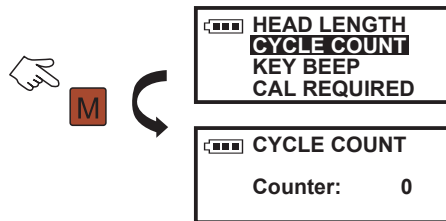


When HEAD LENGTH is not 0, then HEAD L ADJ will be displayed in exchange with the time!



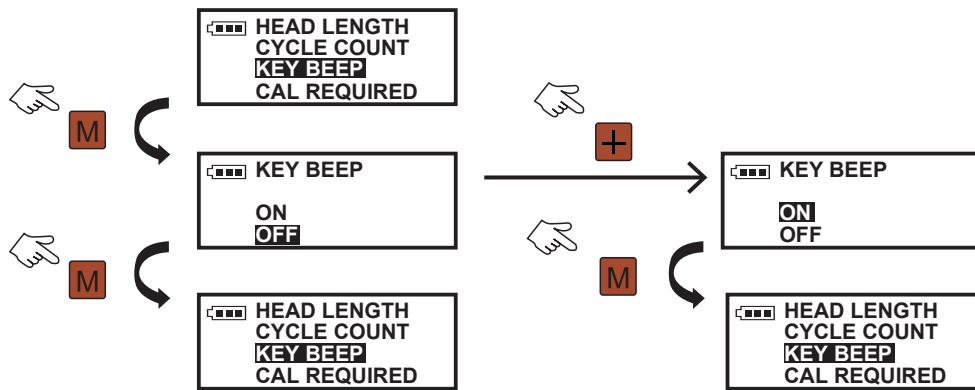
● **CYCLE COUNT**

Press **MENU** **M** button into CYCLE COUNT to display usage count.



● **KEY BEEP**

Turn on or turn off the key prompt tone.



Key prompt tone turn off

Key prompt tone turn on

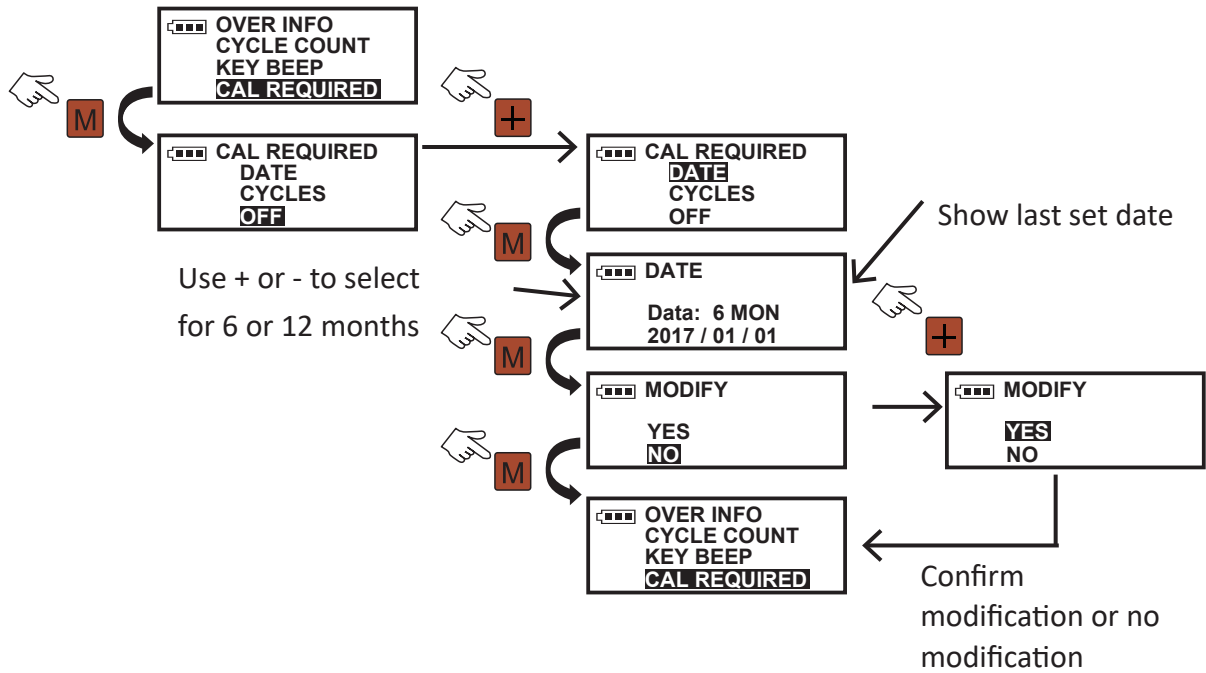
● **CAL REQUIRED**

Set the calibration period, select the DATE, CYCLES or OFF. When the date or cycle count reaches the set value, the startup screen will display CAL REQUIRED. The screen will actively display “RECALIBRATE” and “DATE” for about 5 seconds. At the factory, the calibration cycle is 5000 cycles.

Date:

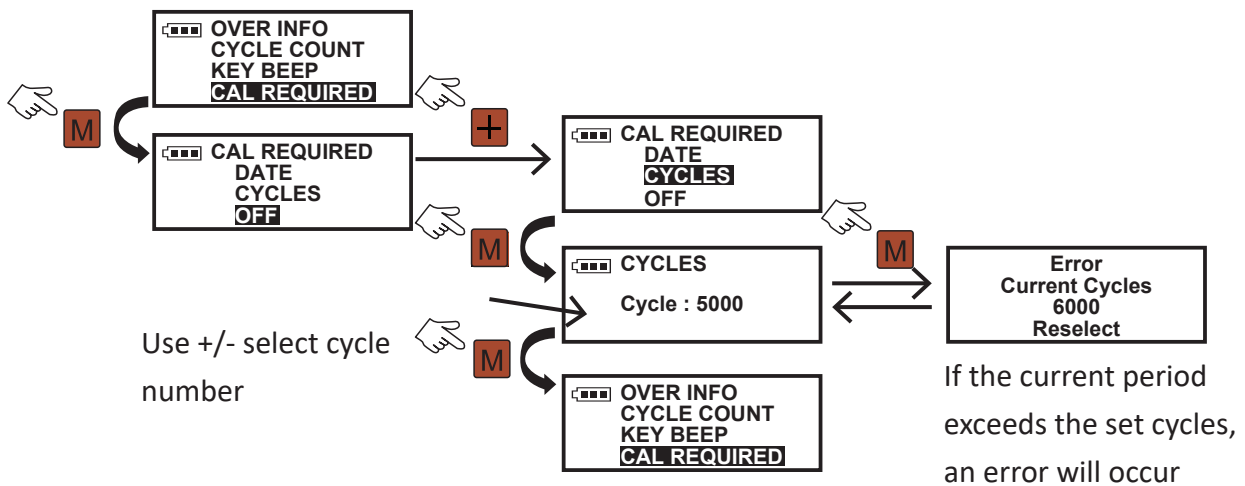
The period can be selected for 6 or 12 months and needs to be confirmed.

After confirming the modification, when you enter next time, the setting period will be displayed.



CYCLES:

Set the cycles, the set values must be more than the current cycle count, otherwise an error will occur.

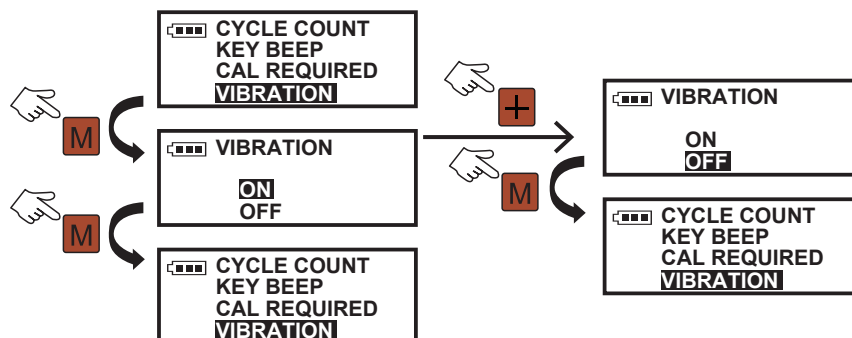


OFF:

Close reminder.

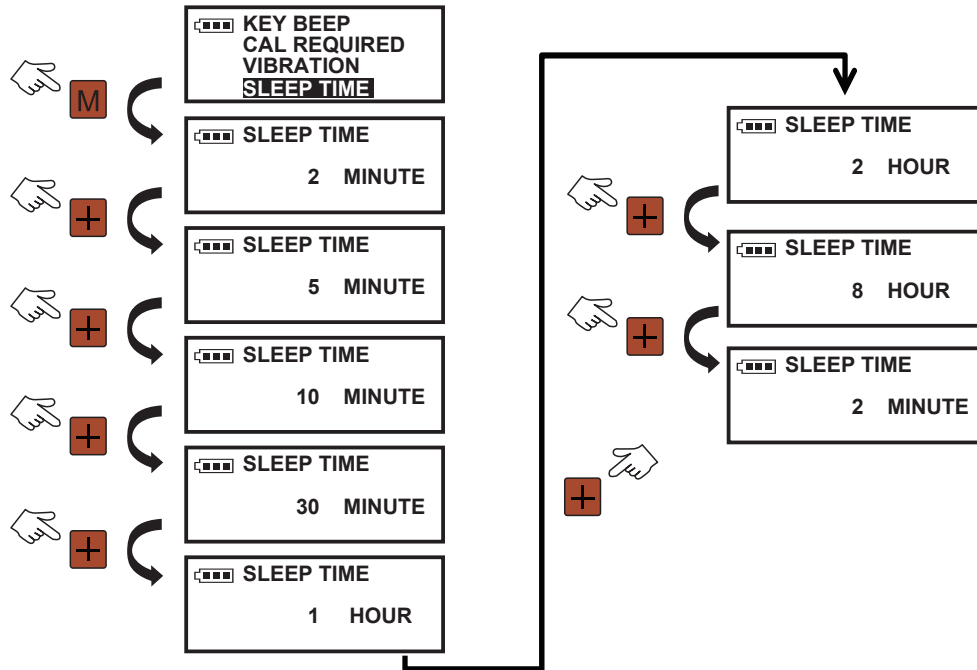
● VIBRATION

Turn on or off the vibration function.



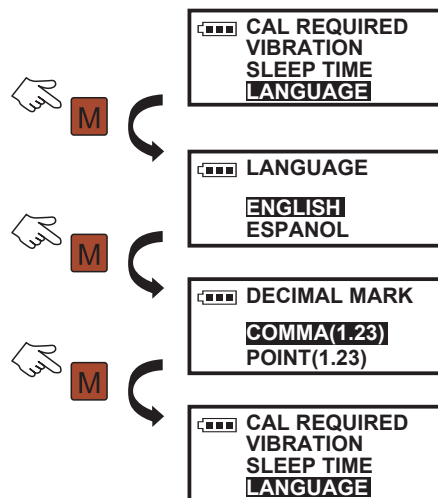
- **SLEEP TIME**

Set the sleep time to shut down the wrench.



- **LANGUAGE**

English, Spanish and decimal mark selection.

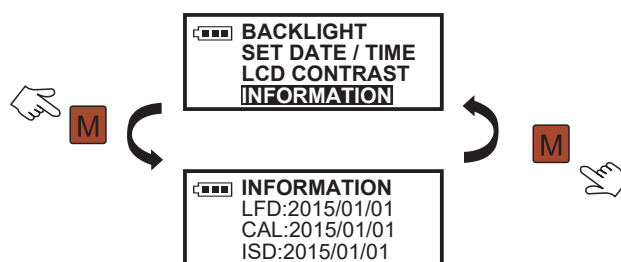


- **INFORMATION**


LFD- Leave Factory Date

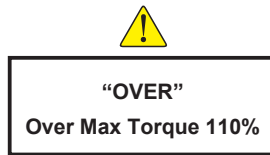
CAL-Calibration Date

ISD- In Service Date



- **OVER INFO**

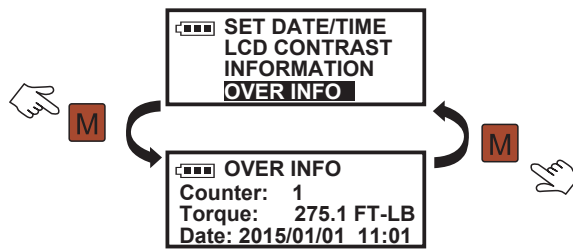
If the torque is over 110% of full-scale, the value will be saved and the LCD display will show “**OVER**” and the buzzer will act continuously. You must press the **POWER**  button to reset the wrench.



Counter- Summary of the number of times wrench has been over-torqued.

Torque- The max over-torque value ever applied to the torque wrench.

Date- The max over torque measurement date and time.



Caution 


If “**OVER**” is displayed on the LCD and the torque exceeds 125% of full-scale, every time you power on the wrench, after showing the logo image, the wrench will display “**RECALIBRATE**” before the user can begin to use the wrench normally.

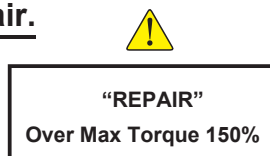


The screen will actively display “**RECALIBRATE**” and “**DATE**” for about 5 seconds.



Caution 


If the applied torque exceeds 150% of full-scale, the LCD display will show “**REPAIR**” and the buzzer will act continuously. You must press the **POWER**  button to shut down the wrench, and it is **recommended the wrench be returned to the repair center for repair.**




● DIFFERENCES BETWEEN DIFFERENT MODELS


K 2767 | K 2766


K 2765

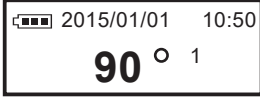
Preset group1~9

 2015/01/01 10:50
 P1 Peak
250.0 FT-LB

Peak
 Preset group1~9

 2015/01/01 10:50
 P 1 P 1
250.0 FT-LB

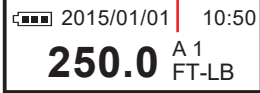

 2015/01/01 10:50
 P1 Track
250.0 FT-LB

Track

 2015/01/01 10:50
 T 1
250.0 FT-LB


 2015/01/01 10:50
 P1
90°


 2015/01/01 10:50
90° 1


 2015/01/01 10:50
 P1 T then A
250.0 FT-LB

T Then A

 2015/01/01 10:50
 A 1
250.0 FT-LB

- **PARTS LIST**

For this tool, a repair set including all parts in the ratchet mechanism, is available.

