

DEWALT®



**Instruction Manual
Guide D'utilisation
Manual de instrucciones**

DWMT17060, DWMT17061

**Torque Wrench
Clé dynamométrique
Torquímetro**

www.DEWALT.com

**If you have questions or comments, contact us.
Pour toute question ou tout commentaire, nous contacter.
Si tiene dudas o comentarios, contáctenos.**

1-800-4-DEWALT

English (*original instructions*)

3

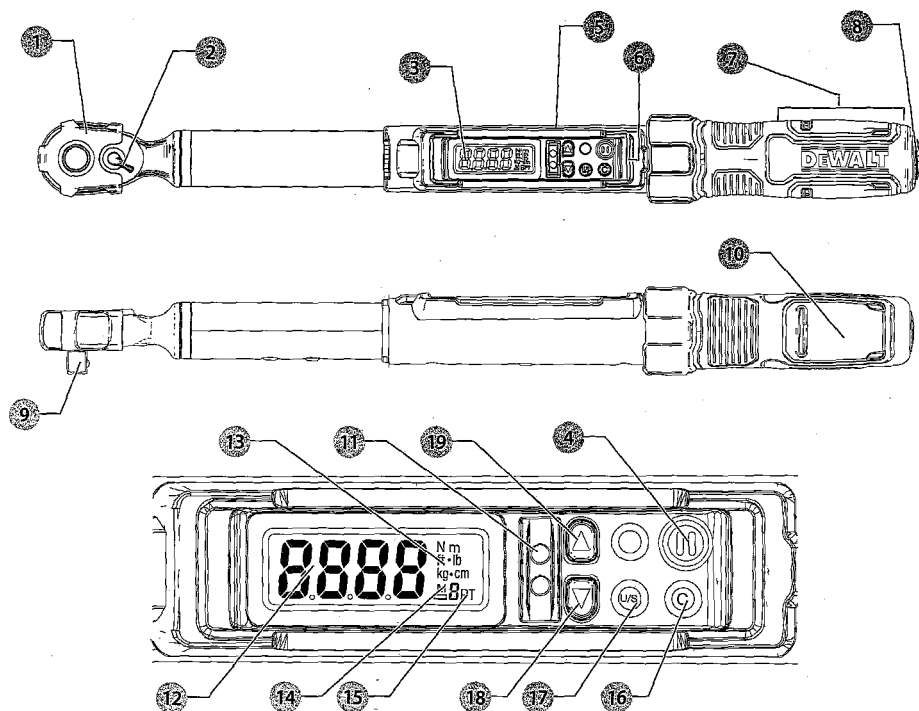
Français (*traduction de la notice d'instructions originale*)

9

Español (*traducido de las instrucciones originales*)

15

Fig. A

DWMT17060, DWMT17061

① Reversible ratchet head

② Direction lever

③ LCD

④ Buzzer

⑤ Communication port

⑥ Buttons

⑦ Battery compartment

⑧ Battery cover

⑨ Ratchet drive

⑩ Anti-slip handle

⑪ LED indicator

⑫ Torque value

⑬ Units

⑭ Preset number

⑮ P (Peak Hold) / T (Track) mode

⑯ Power On / Clear button

⑰ Unit / Setting button

⑱ Down button

⑲ Up button

① Tête du cliquet réversible

② Levier de direction

③ LCD

④ Avertisseur

⑤ Port de communication

⑥ Boutons

⑦ Compartiment du bloc-piles

⑧ Couvercle du bloc-piles

⑨ Commande par rochet

⑩ Poignée anti-dérapante

⑪ Voyant DEL

⑫ Valeur du couple

⑬ Unités

⑭ Nombre pré-réglé

⑮ Mode P (Retenue de crête) /
T (Contrôle)

⑯ Bouton Allumer/Effacer

⑰ Bouton Unité/Réglage

⑱ Bouton Bas

⑲ Bouton Haut

① Cabeza de matraca reversible

② Palanca de dirección

③ LCD

④ Zumbador

⑤ Puerto de comunicación

⑥ Botones

⑦ Compartimiento de batería

⑧ Cubierta de batería

⑨ Accionamiento de matraca

⑩ Manija anti-deslizamiento

⑪ Indicador LED

⑫ Valor de torque

⑬ Unidades

⑭ Pre-ajuste de número

⑮ Modo P (Sostenimiento Pico) /
T (Rastreo)

⑯ Botón de encendido / borrar

⑰ Botón de unidad / ajuste

⑱ Botón abajo

⑲ Botón arriba

Fig. B

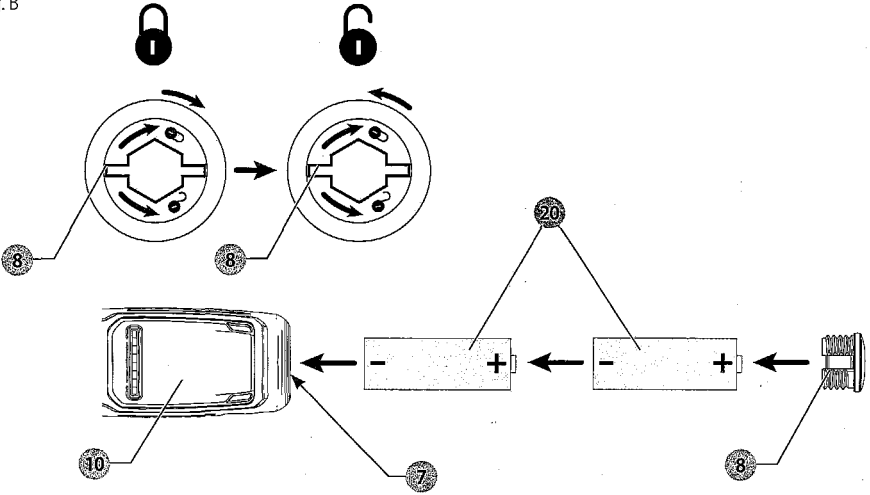
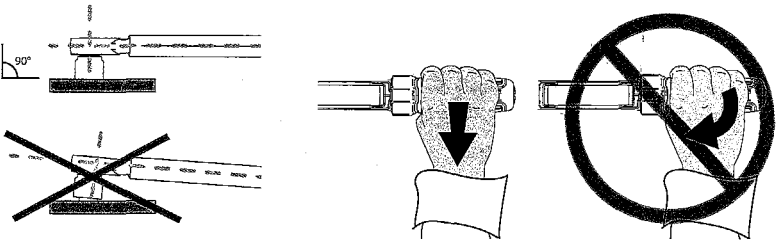


Fig. C





WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.



WARNING: To reduce the risk of injury, read the instruction manual.

Intended Use

This manually operated torque wrench is used to apply a specific torque value to a fastener, such as a nut or bolt. This torque wrench is not intended to loosen fasteners.

DO NOT use under wet conditions or in presence of flammable liquids or gases.

This manually operated torque wrench is a professional hand tool. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to hazardous situations and your risk of personal injury or property damage.



DANGER: Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.



WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.



CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.



(Used without word) Indicates a safety related message.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.

SAFETY INSTRUCTIONS

When using an electrical wrench, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS WRENCH



WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions listed below may result in electric shock, fire and/or serious injury.



WARNING: Do not attempt to modify or repair the wrench.



WARNING: To reduce the risk of fire, electrical shock or injury:

- **Shock Hazard.** To protect against risk of electrical shock, do not put charging base in water or other liquid.
- **Do not allow to be used as a toy.** Close attention is necessary when used by or near children.

- **Use only as described in this manual.** Use only manufacturer's recommended attachments.
- **Do not put any object into openings.** Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- **Do not incinerate the wrench even if it is severely damaged.** The batteries can explode in a fire.

Additional Safety Warnings

- Do not use a battery or wrench that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery or wrench to fire or excessive temperature.** Exposure to fire or temperature above 130 °C (266 °F) may cause explosion.
- Have servicing performed by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the product is maintained.
- Torque instruments perform correctly only when properly used, cared for, and calibrated.**
- A fastener improperly torqued with a torque instrument may be very dangerous even if the torque wrench is in proper working order or appears to be in proper working order but is out of calibration.**
- Lubricated and nonlubricated fastener applications have major differences in the determination of torque requirements.** Designers of assembled joints shall consider torque requirements consistent with fastener characteristics.
- Do not tare out the weight of the wrench when using in a gravity-dependent position.**

SAVE THESE INSTRUCTIONS

Additional Safety Rules for Torque Wrenches



WARNING:

- **ALWAYS** use safety glasses. Everyday eyeglasses are NOT safety glasses. **ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:**
 - ANSI Z87.1 eye protection (CAN/CSA Z94.3)
- Do not use the unit outdoors. Unit intended for indoor use only.
- **ALWAYS** ensure accessories are not chipped or damaged to reduce the risk of loose debris causing injury.
- Do not expose to excessive heat or humidity to avoid deformation or corrosion, which may affect accuracy.
- Do not use this wrench in water since fluid ingress will affect the circuitry resulting in damage and potentially electrical shock.
- **NEVER** use on live electrical circuit, wrench does not protect you from electrical shock. Turn off power before use.
- Over torque (exceeding stated maximum capacity by 130% can result in damage, breakage or affect accuracy).
- Avoid use of solvents, chemicals, liquids.
- Do not attempt to disassemble or repair. Refer to an authorised service centre.

ENGLISH

- Guard against snagging of clothing, hair, jewellery or anything that could impair movement of the product or work piece and lead to damage or injury.
- Over-torquing (110% of maximum torque range) could cause breakage or impede accuracy.
- Do not shake violently or drop wrench.
- Do not use this wrench as a hammer.
- Do not leave this wrench in any place exposed to excessive heat, humidity, or direct sunlight.
- Do not use this apparatus in water, as it is not waterproof.
- If the wrench gets wet, wipe it with a dry towel as soon as possible. The salt in seawater can be especially damaging.
- Do not use organic solvents, such as alcohol or paint thinner when cleaning the wrench.
- Keep this wrench away from magnets.
- Do not expose this wrench to dust or sand as this could cause serious damage.
- Do not apply excessive force to the LCD panel.
- Apply torque slowly and grasp the center of the handle. Do not apply load to the end of the handle.
- After use, set torque wrench to lowest setting to prevent damage to the spring.



CAUTION:

- Hard impacts or dropping the wrench may impair accuracy of the wrench. If the wrench is dropped or receives a sharp impact have the wrench accuracy checked.
- To ensure correct operation and accuracy this product must be calibrated periodically in line with standards.

Residual Risks



WEAR SAFETY GOGGLES.

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These are:

- Impairment of hearing.
- Risk of personal injury due to flying particles.
- Risk of burns due to accessories becoming hot during operation.
- Risk of personal injury due to prolonged use.

SAVE THESE INSTRUCTIONS

Battery Maintenance

- When the wrench will not be used for an extended period of time, remove the batteries
- Do not mix battery types or combine used batteries with fresh ones.
- Sweat, oil, and water can prevent a battery's terminal from making electrical contact. To avoid this, wipe both terminals before loading a battery.
- Dispose of batteries in a designated disposal area. Do not dispose of batteries in fire.

Additional Safety Warnings

- Do not use a battery pack or appliance that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or appliance to fire or excessive temperature.** Exposure to fire or temperature above 266 °F (130 °C) may cause explosion.
- Have servicing performed by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the product is maintained.

The RBRC® Seal

Please take your spent battery packs to an authorized DEWALT service center or to your local retailer for recycling. In some areas, it is illegal to place spent battery packs in the trash. You may also contact your local recycling center for information on where to drop off the spent battery pack. Do not place in curbside recycling. For more information visit www.call2recycle.org or call the toll-free number in the RBRC® Seal.

RBRC® is a registered trademark of Call 2 Recycle, Inc.



ASSEMBLY AND ADJUSTMENTS



WARNING: To reduce the risk of serious personal injury, turn unit off before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

Battery Installation (Fig. B)



WARNING: Batteries can explode, or leak, and can cause injury or fire. To reduce this risk:

1. Unlock and remove the battery cover  as shown in Fig. B.
2. Insert two fresh AA batteries  making sure to match (+) and (-) terminals correctly and reinstall the battery cover.
3. Ensure that the battery cover  is tightly secured.
 - Carefully follow all instructions and warnings on the battery label and package.
 - Always insert batteries correctly with regard to polarity (+ and -), marked on the battery and the equipment.
 - Do not short battery terminals.
 - Do not charge batteries.
 - Do not mix old and fresh batteries. Replace all of them at the same time with new batteries of the same brand and type.
 - Remove dead batteries immediately and dispose of per local codes.
 - Do not dispose of batteries in fire.
 - Keep batteries out of reach of children.
 - Remove batteries if the device will not be used for several months.

- Transporting batteries can possibly cause fires if the battery terminals inadvertently come in contact with conductive materials such as keys, coins, hand tools and the like. So when transporting individual batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

Low Voltage Indicator

If the battery strength is low, the LCD  will display a battery symbol and power down.

1. Replace batteries.

OPERATION



WARNING: To reduce the risk of serious personal injury, turn unit off before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

WRENCH SPECIFICATIONS

	DWMT17061	DWMT17060
Battery type	(x2) AA	(x2) AA
Power output	3.0V	3.0V
Drive size	3/8"	1/2"
Torque range	6.8-135 Nm 5-100 ft-lb	17-340 Nm 12.5-250 ft-lb
Torque Accuracy*	CW $\pm 3\%$, CCW $\pm 4\%$	CW $\pm 3\%$, CCW $\pm 4\%$
Angle Accuracy**	$\pm 2.9^\circ$ (rotating 90° at speed of $30^\circ/\text{sec}$)	$\pm 2.9^\circ$ (rotating 90° at speed of $30^\circ/\text{sec}$)
Data memory size	50	50
Operation Modes	Peak hold and Track	Peak hold and Track
LED Display	2 LEDs 1 Red and 1 Green	2 LEDs 1 Red and 1 Green
Units	N-m, ft-lb, in-lb, kg-cm, degree	N-m, ft-lb, in-lb, kg-cm, degree
Gear Teeth	36	36
Operating temperature range	$-10^\circ\text{C} / +60^\circ\text{C}$ $14^\circ\text{F} / +140^\circ\text{F}$	$-10^\circ\text{C} / +60^\circ\text{C}$ $14^\circ\text{F} / +140^\circ\text{F}$
Storage temperature range	$-20^\circ\text{C} / +70^\circ\text{C}$ $-4^\circ\text{F} / +158^\circ\text{F}$	$-20^\circ\text{C} / +70^\circ\text{C}$ $-4^\circ\text{F} / +158^\circ\text{F}$
Weight (wrench)	3.3 lbs (1.5kg)	2.2 lbs (1kg)

*The accuracy of the readout is guaranteed from 20% to 100% of maximum range ± 1 increment. Calibration point is at the middle line of the five grip lines on the rubber handle. For maintaining accuracy, calibrate the wrench at regular intervals (1 year recommended).

**The angle accuracy is guaranteed at $\pm 2.9^\circ$ when rotating wrench to 90° at speed of $30^\circ/\text{sec}$. The maximum measured angle is 999° .

Proper Hand Position (Fig. C)



WARNING: To reduce the risk of serious personal injury, ALWAYS use proper hand position as shown.



WARNING: To reduce the risk of serious personal injury, ALWAYS hold securely in anticipation of a sudden reaction.

Proper hand position requires one hand on the anti-slip handle .

Power On (Fig. A)

1. Place the torque wrench horizontally on a flat, level surface and let it rest without moving it.
2. To turn the wrench on, press the power on / clear button .
3. Automatic zero reset will be begin.
NOTE: In torque mode, it does zero reset on torque measurements; in angle mode, it does zero reset on angle measurements.
4. In torque mode, a default torque screen will show on the LCD .
5. In angle mode, the LCD  will flash first (zero reset) and then a target angle screen will show.

NOTE: If "Er 0" appears during power-on process, it means this wrench has been torqued to more than 110% of maximum torque. When using the wrench in ANGLE mode the wrench must be placed horizontally on a flat, level surface before any attempt is made to change values or to power on the unit. If the user attempts these functions without following the instructions above the unit's display will begin to flash a series of four zeros in the top half of the screen.

Auto Power Off

1. The wrench will power off automatically after 2 minutes of not being used.
NOTE: The auto power off function is disabled during communication period (as indicated when send appears).

Selecting Direction of Ratchet Rotation (Fig. A)

1. To select clockwise rotation, rotate the forward/reverse dial  to the left side.
2. To select counterclockwise rotation, rotate the forward/reverse dial  to the right side.

Zero Reset

If necessary, zero reset will guarantee an accurate measurement.

1. After power on, press the power on / clear button  for zero reset.
2. Press power on / clear button  to zero reset the electronic torque-angle wrench before use.
3. In angle mode, keep the wrench steady without any disturbance and press the power on / clear button  to perform a zero reset.
4. In torque mode, if an external force is applied to the torque wrench during zero reset period, an initial torque offset error will occur.

Wrench Reset

If the torque wrench does not function normally, or if "Er 5" appears on the LCD , please go through the reset process to reset the torque wrench.

1. Loosen and retighten the battery cover .
2. After reset, press the power on / clear button .

Unit Selection

1. To cycle through the available units, press the unit / setting button .
2. Choose from N-m, in-lb, ft-lb, kg-cm and ° (degree).

Setting Torque Value

1. Press the down button  or up button  to select the torque value that you require.

Peak Hold/Track Mode Selection

1. Press and hold the unit / setting button  until the LCD  displays a "T". Release the unit / setting button .
2. Press the down button  or up button  to select "T" for track mode or "P" for peak hold mode.
 - Press the unit / setting button  once for **torque unit under angle** mode.
NOTE: You may choose to skip the following procedure and continue to the next step.
 - Press the unit / setting button  twice for **record number** mode.
NOTE: You may choose to skip the following procedure and continue to the next step.
 - Press the unit / setting button  three times for **clear record number** mode.
 - Press the unit / setting button  four times for **number of measurement** mode.
NOTE: Counting record: This feature counts how many times the wrench has been used, but only counts when applying up to 60% of maximum torque. This record is not erasable until re-calibration. The feature will count up to 65,000 measurements. Reading the number of measurements, the following figure means the recorded count is 10100. (No-1 means 10000 times, No-2 means 20000 times reached.)

Track Mode

1. Press the power on / clear button .
NOTE: If "E r 0" appears on the LCD , it means this wrench has been torqued to more than 110% of its maximum torque capacity.
2. Apply torque to the fastener. The LCD  will display the current torque value.
NOTE: When 80% of the target torque is reached, the green LED indicator  will begin to flash and the audible alarm tone will beep intermittently.
3. Continue to apply torque to the fastener. The LCD  will display the current torque value.
NOTE: When the target torque is approached, the audible alarm will change to a steady tone, and the green LED indicator  will stop flashing and remain illuminated. The red LED  will also illuminate.

Peak Hold Mode

1. Press the power on / clear button .
NOTE: If "E r 0" appears on the LCD , it means this wrench has been torqued to more than 110% of its maximum torque capacity.
2. Set target torque and torque unit. Apply torque to the fastener. The LCD  will display the current torque value.
NOTE: If "Full" appears on the LCD , the torque wrench memory is full and the next value recording can not be saved. See **Peak Hold Mode Recorded Value Review** to clear unused recordings.
3. Continue to apply torque to the fastener. The LCD  will display the current torque value.
NOTE: When 80% of the target torque is reached, the green LED indicator  will begin to flash and the audible alarm tone will beep intermittently.
NOTE: When the target torque is approached, the audible alarm will change to a steady tone, and the green LED indicator  will stop flashing and remain illuminated. The red LED  will also illuminate.

Peak Hold Mode Recorded Value Review

The peak hold mode recorded value review also can be operated from track mode operation.

1. In peak hold or track mode, press and hold the unit / setting button .
NOTE: If you operate in the peak hold mode, LCD  will show "noDE"; please go to the next step.
2. Release the unit / setting button .
3. Press the unit / setting button  to select the desired recording.
NOTE: If the record is empty, the LCD  will display "none".
4. Press the unit / setting button  to be able to clear recordings.
5. Press the unit / setting button  to cycle to the recording you want to delete.
6. Press the power on / clear button  to clear desired recording. The LCD  will display "dEL".
7. If you wish to upload data to a laptop or PC, you can enter communication mode. Press the unit / setting button  and the LCD  will display "ConU"
NOTE: This function is not supported on all models.
NOTE: Communication mode is also for calibration of torque wrench. Please contact your local dealer for more information.
8. To exit peak hold or track review and communication mode press the unit / setting button .

Key Lock

1. To lock the torque wrench keys, press and hold the unit / setting button .
2. The LCD  will display "LoC" indicating lock on/off selection.
3. Press the down button  to select lock "oFF".
4. Press the up button  to select lock "on".

- To exit, press the unit / setting button .

NOTE: If "LoC" is "on", LCD  will display "----" when pressing the down button , up button  or unit / setting button .

Angle Mode Operation

When entering angle mode, the preset unit of measurement is "°" (degree).

- Press and hold the power on / clear button .

NOTE: When angle is in auto initiate mode, please keep the torque wrench steady without any disturbance.

- Release the power on / clear button .
- After a short time, the angle function will enter initiate mode and a flashing "0000" will appear on the LCD .
- Apply torque to the fastener. The LCD  will display the current angle and current torque.

NOTE: In angle mode, when releasing force the torque wrench LCD  will display the corresponding torque with flashing.

- Continue to apply torque to the fastener.

NOTE: When 80% of the target torque is reached, the green LED indicator  will begin to flash and the audible alarm tone will beep intermittently.

- Release torque on the fastener.

NOTE: When 99.5% of the target degree has been reached, the alarm will change to steady tone, and the green LED indicator  will stop flashing and remain illuminated. The red LED  will also illuminate.

Torque Unit Selection Under Angle Mode

- In angle mode, press and hold the unit / setting button .

NOTE: This unit setting can also be entered from torque mode.

- Release the unit / setting button .
- Set peak/track mode unit / setting button .

NOTE: If the LCD  displays "noDE", please go to the next step.

- Choose from N-m, in-lb, ft-lb, or kg-cm by cycling through pressing the down button .

Applying Torque (Fig. A, C)

 **WARNING:** Familiarise yourself with operation and feedback before use.

- Ensure the socket is firmly and securely connected to the fastener and wrench.
- Hold the wrench handle  with one hand.
NOTE: Do not use accessories or an extension.
- Using smooth effort, pull the wrench at 90° to the handle.
- Ensure a smooth, gradual increase of force toward the target value and status lights.
- The wrench will produce an audible clicking when it reaches 100% of the target value.
- Stop tightening.

Maintenance

- Clean your torque wrench with a dry cloth. Do not use any solvent or detergent.
- Never dismantle.

3-Point Calibration Certificate:

Torque testing and adjustment at 20%, 60% and 100% of the torque wrench capacity, within the standard's tolerances. Issuing of a numbered and dated declaration of conformance.

Checking Tool Accuracy and Document Updates:

The DeWALT metrological laboratory will issue calibration certificates upon request.

Calibration

An annual recalibration or after 5000 uses, is necessary to maintain accuracy. Please contact your local dealer to schedule.

We advise you to have your torque wrench checked regularly on a test rig or by the DeWALT metrological laboratory (about once a year, or more often for intensive use or if dropped).

Repairs

The charger and batteries are not serviceable. There are no serviceable parts inside the charger or battery pack.

 **WARNING:** To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement, when applicable) should be performed by a DeWALT factory service center or a DeWALT-authorized service center. Always use identical replacement parts.

Register Online

Thank you for your purchase. Register your product now for:

- WARRANTY SERVICE:** Registering your product will help you obtain more efficient warranty service in case there is a problem with your product.
- CONFIRMATION OF OWNERSHIP:** In case of an insurance loss, such as fire, flood or theft, your registration of ownership will serve as your proof of purchase.
- FOR YOUR SAFETY:** Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.
- Register online at www.dewalt.com.

One Year Limited Warranty

DeWALT torque wrenches are guaranteed for 1 year from the date of purchase against any defect or manufacturing fault, and 90 days for calibration accuracy. DeWALT accessories and wear parts are covered by the legally enforced guarantee. This guarantee does not cover the following cases: normal wear, non compliance of instructions of use and safety guidelines, nonconventional or abusive use of the tool, tool overloading, lack of servicing or maintenance, intrusion of foreign bodies, tools which have been disassembled or modified, or featuring traces of shock (dents, cracks, broken covers, etc.), use with poor quality or non-compatible accessories.

To use the guarantee, provide: the tool with its serial number as well as the legible and unmarked original invoice designating the product and its date of purchase. Detailed conditions of application of the guarantee: call your distributor. This lifetime warranty is subject to the disclaimers and limitations described below, and is in lieu of all other warranties, express or implied, including the implied warranty of merchantability or fitness for a particular purpose. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

LATIN AMERICA: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see country specific warranty information contained in the packaging, call the local company or see website for warranty information.

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call 1-800-4-DeWALT (1-800-433-9258) for a free replacement.