

DeWALT Router (DW618)

The DeWALT router is used to shape the edges of material or to make grooves of various shapes and sizes in material. The following rules must be observed when using it.

- Students must have taken the Baum Family Maker Space basic lab orientation and safety training.
- This is an ORANGE category equipment. Students must have received additional training specific for this piece of equipment from Maker Space staff or qualified student workers.
- Do not use the router if you are unsure about any aspect of its operation.
- Eye protection must be used at all times when using the router.
- The router can throw off particles that it has removed from the surface it is in contact with. It is advised that you wear a shop apron to protect your clothing.
- If possible, use the router in the Maker Space area designated for sanding and grinding operations where the curtain can be closed to minimize the spread of the dust.
- Before using it make sure you have familiarized yourself with the location and action of the start/stop switch.
- Do not have any loose clothing above the level of material the router will be used on.
- Long hair must be tied back in such a way that it cannot reach the router during operation. Make sure this cannot happen if you turn your head away from the router thereby bringing the back of your head closer to the router.
- Only use ½” or ¼” router bits that have been provided by the lab staff or approved by them for use.
- Do not use router bits that are dull, chipped or out-of-balance.
- The router motor can be placed in either the fixed base unit or the plunge base for doing plunge routing. Use the correct base for the type of routing you are planning to do.
- If you have never used the router before it is recommended that you hold the router so the cutting bit is not in contact with any material and turn it on briefly to get a feel for holding it while it is running.
- Always maintain a firm grip on the router when using it and keep it under control when it is contacting the material to be routed.
- When not using it turn the router off. Let it come to a complete stop before placing it on a work surface.



- Do not set the router on the benchtop or floor in such a way that the router bit contacts the benchtop or floor. When using the fixed base, lay the router on its side when not using it. If using the plunge base, lay it on its side or move the router up along the rails so the router bit is clear of the surface it is sitting on.
- If any type of unsafe condition is noted, notify the lab manager or your professor. If necessary, place a sign on the router warning other to not use it due to the problem.

Please refer to the manufacturer's manual on the following pages for additional information on the operation of the DeWALT router.

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

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INSTRUCTION MANUAL
GUIDE D'UTILISATION
MANUAL DE INSTRUCCIONES

DEWALT®

DW616, DW618
Router System
Système de toupe
Sistema de rebajadora

DEWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286
(APR14) Part No. N384518 DW616, DW618 Copyright © 2003, 2005, 2012, 2014 DEWALT
The following are trademarks for one or more DEWALT power tools: the yellow and black color scheme, the "D" shaped air intake grill, the array of pyramids on the handgrip, the kit box configuration, and the array of lozenge-shaped humps on the surface of the tool.

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

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

IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS OR ANY DEWALT TOOL, CALL US TOLL FREE AT: 1-800-4-DEWALT (1-800-433-9258).

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

General Power Tool Safety Warnings

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.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) WORK AREA SAFETY

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI reduces the risk of electric shock.

3) PERSONAL SAFETY

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

4) POWER TOOL USE AND CARE

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

5) SERVICE

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Additional Safety Rules for Routers

- **Hold power tool by insulated gripping surfaces because the cutter may contact its own cord.** Cutting a "live" wire may make exposed metal parts of the tool "live" and shock the operator.
- **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.
- **Metal cutting with router: If using router for metal cutting, clean out tool often.** Metal dust and chips often accumulate on interior surfaces and could create a risk of serious injury, electrical shock or death.
- **Never run the motor unit when it is not inserted in one of the router bases.** The motor is not designed to be handheld.
- **Keep handles dry, clean and free from oil and grease.** This will enable better control of the tool.
- **Maintain a firm grip with both hands on the tool to resist starting torque.** Maintain a firm grip on the tool at all times while operating.

- **Keep hands away from cutting area above and below the base. Never reach under the workpiece for any reason.** Keep the router base firmly in contact with the workpiece when cutting.
- **Never touch the bit immediately after use. It may be extremely hot.**
- **Be sure that the motor has stopped completely before you lay the router down.** If the bit is still spinning when the tool is laid down, it could cause injury or damage.
- **Be sure that the router bit is clear of the workpiece before starting the motor.** If the bit is in contact with the workpiece when the motor starts, it could make the router jump, causing damage or injury.
- **Always follow the bit manufacturer's speed recommendations as some bit designs require specific speeds for safety or performance.** If you are unsure of the proper speed or are experiencing any type of problem, contact the bit manufacturer.
- **Do not use router bits with a diameter in excess of 2-1/2" (63 mm) in this tool.**
- **Do not hand-hold the router in an upside-down or horizontal position.** The motor can separate from the base if not properly attached according to the instructions.
- **Before starting the motor, check to see that the cord will not snag or impede the routing operation.**
- **Keep cutting pressure constant. Do not overload motor.**
- **Provide clearance under workpiece for bit when through-cutting.**
- **Do not press spindle lock button while the motor is running.** Doing so can damage the spindle lock.
- **Always make sure the work surface is free from nails and other foreign objects.** Cutting into a nail can cause the bit and the tool to jump.
- **Air vents often cover moving parts and should be avoided.** Loose clothes, jewelry or long hair can be caught in moving parts.
- **An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety.** The smaller the gauge number of the wire, the greater the capacity of the cable, that is 16 gauge has more capacity than 18 gauge. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. When using more than one extension to make up the total length, be sure each individual extension contains at least the minimum wire size. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

Minimum Gauge for Cord Sets						
Ampere Rating		Volts		Total Length of Cord in Feet (meters)		
		120V	25 (7.6)	50 (15.2)	100 (30.5)	150 (45.7)
			240V	50 (15.2)	100 (30.5)	200 (61.0)
More Than	Not More Than	AWG				
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

▲ **WARNING: ALWAYS** use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if cutting operation is dusty. ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:

- ANSI Z87.1 eye protection (CAN/CSA Z94.3),
- ANSI S12.6 (S3.19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.

▲ **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

• **Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water.** Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

▲ **WARNING:** Use of this tool can generate and/or disperse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

▲ **WARNING: Always wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use.** Under some conditions and duration of use, noise from this product may contribute to hearing loss.

• The label on your tool may include the following symbols. The symbols and their definitions are as follows

V.....volts	A.....amperes
Hz.....hertz	W.....watts
minminutes	~ or AC.....alternating current
== or DC.....direct current	⌋ or AC/DC.....alternating or direct current
Ⓛ.....Class I Construction (grounded)	n.....no load speed
Ⓜ.....Class II Construction (double insulated)	n.....rated speed
.../minper minute	Ⓧ.....earthing terminal
IPM.....impacts per minute	▲.....safety alert symbol
SPMstrokes per minute	BPM.....beats per minute
	RPM.....revolutions per minute
	sfpm.....surface feet per minute

SAVE THESE INSTRUCTIONS FOR FUTURE USE

Motor

Be sure your power supply agrees with the nameplate marking. Voltage decrease of more than 10% will cause loss of power and overheating. DEWALT tools are factory tested; if this tool does not operate, check power supply.

COMPONENTS (Fig. 1)

▲ **WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.

A. Quick release latch	L. Detachable cordset
B. Depth adjustment ring	M. Holes for universal edge guide
C. Adjustable scale	N. D-handle trigger switch
D. Locking lever	O. Trigger lock button
E. Knob handle	P. Turret stop
F. Subbase	Q. Depth adjustment rod
G. Speed dial (DW618 only)	R. Plunge lock lever
H. Guide pin groove	S. Dust shroud
I. Spindle lock button (DW618 only)	T. Dust cap
J. Collet nut	U. D-Handle
K. Toggle switch	

INTENDED USE

This heavy-duty router is designed for professional routing applications.

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

This is a professional power tool. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

Switch (Fig. 1)

To turn the tool on, push the toggle switch (K) to the ON position indicated on the tool. To turn the tool off, push the toggle switch to the OFF position indicated on the tool.

Detachable Cord Set (Fig. 1A)

▲ **WARNING:** To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing cord set from motor or D-handle base. Before connecting cord set to power source, ensure the toggle switch (K) and the D-handle trigger switch (N) are in the OFF position. An accidental start-up can cause injury.

Insert the detachable cordset plug so that the key (W) is aligned with the notch (V) in the socket. Turn the plug clockwise one quarter turn to lock.

OPERATION

▲ **WARNING:** To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

▲ **WARNING:** Before connecting cord set to power source, ensure the toggle switch (K) and the D-handle trigger switch (N) are in the OFF position. An accidental start-up can cause injury.

▲ **WARNING:** Before starting the tool, clear the work area of all foreign objects. Check to see that the cord will not snag or impede the routing operation. Also keep firm grip on tool to resist starting torque.

General for All Bases

LOCKING LEVER ADJUSTMENT (FIG. 4)

You should be able to clamp the locking lever without excessive force. Excessive force may damage the base.

You should not be able to move the motor in the base when the locking lever is clamped. To adjust the locking lever's clamping force, open the locking lever (D) and turn the nut (Y) in small increments. Turning the nut clockwise tightens the lever while turning the nut counterclockwise loosens the lever.

CENTERING THE SUBBASE (FIG. 5)

If you need to adjust, change, or replace the subbase, a centering tool (DNP617—sold separately) is recommended (refer to **Accessories**). The centering tool consists of a cone and a pin.

To adjust the subbase, follow the steps below

1. Loosen but do not remove the subbase screws so that the subbase can move freely.
2. Insert the pin into the collet and tighten the collet nut.
3. Insert the motor into the base and clamp the locking lever on the base.
4. Place the cone on the pin and lightly press down on cone until it stops as shown. This will center the subbase.
5. While holding down on the cone, tighten the subbase screws.

BIT INSTALLATION AND REMOVAL (FIG. 6)

1. To install a bit, insert the round shank of the desired router bit into the loosened collet as far as it will go and then pull it out about 1/16" (1.6 mm). Using the wrench(es) provided, turn the collet nut (J) clockwise while holding the spindle shaft with the second wrench. [On the DW618, depress the spindle lock button (I) to hold the spindle shaft.] Tighten the collet nut securely to prevent the bit from slipping.
2. To remove a bit, hold the spindle shaft while turning the collet nut (J) counterclockwise with the wrench provided. [Hold the spindle by depressing the spindle lock button (I) on the DW618.] The self-releasing collet nut will turn approximately 3/4 of a turn and then become tight again. At this point the bit cannot be removed. Continue turning the collet nut counterclockwise. This lifts the collet, allowing the bit's removal.

COLLETS

▲ **WARNING:** Projectile hazard. Only use bits with shanks that match the installed collet. Smaller shank bits will not be secure and could become loose during operation.

▲ **CAUTION:** Never tighten the collet without first installing a router bit in it. Tightening an empty collet, even by hand, can damage the collet.

Two collets are included with the motor: one 1/4" (6.4 mm) and one 1/2" (13 mm). To change collet sizes, unscrew the collet assembly as described above. Install the desired collet by reversing the procedure. The collet and the collet nut are connected. Do not attempt to remove the collet from the collet nut.

NOTICE: Plunge Base Only—When tightening or changing collets, do not allow the wrenches to contact the plunge rods. *If the rods are damaged, the plunge action will be restricted.*

USING THE UNIVERSAL EDGE GUIDE (FIG 1)

The universal edge guide (DW6913) is available from your local retailer or service center at extra cost. Follow the assembly instructions included with the guide. Insert the two bars through the holes (M) in the router base. Adjust as needed for parallel routing.

DIRECTION OF FEED (FIG. 11)

The direction of feed is very important when routing and can make the difference between a successful job and a ruined project. Figure 11 shows the proper direction of feed for some typical cuts. A general rule to follow is to move the router in a counterclockwise direction on an outside cut and a clockwise direction on an inside cut.

Shape the outside edge of a piece of stock by following these steps:

1. Shape the end grain, left to right
2. Shape the straight grain side moving left to right
3. Cut the other end grain side
4. Finish the remaining straight grain edge

⚠ WARNING: Avoid climb-cutting (cutting in direction opposite than shown in Figure 11). *Climb-cutting increases the chance for loss of control resulting in possible injury. When climb-cutting is required (backing around a corner), exercise extreme caution to maintain control of router. Make smaller cuts and remove minimal material with each pass.*

CHOOSING ROUTER SPEED (DW618 ONLY) (FIG. 12)

Refer to the **Speed Selection Chart** to choose a router speed. Turn the speed dial (G) to control router speed.

⚠ WARNING: Do not operate tools rated “AC only” on a DC supply. *Loss of speed control may result, causing tool damage and possible hazard to the operator.*

⚠ WARNING: *If the speed control ceases to operate, or is intermittent, stop using the tool immediately. Take it to a DEWALT factory or authorized service facility for repair.*

NOTICE: *The router is equipped with electronics to monitor and maintain the speed of the tool while cutting. In low and medium speed operation, the speed control prevents the motor speed from decreasing. If you expect to hear a speed change and continue to load the motor, you could damage the motor by overheating. Reduce the depth of cut and/or slow the feed rate to prevent tool damage.*

Set-up: Fixed and D-Handle Base

MOTOR QUICK RELEASE (FIG. 1)

1. Open the locking lever (D) on the base.
2. Grasp the base with one hand while depressing the quick release latches (A).
3. With the other hand, grasp the top of the motor unit and lift it from the base.

INSERTING THE MOTOR INTO THE BASE (FIG. 1–3, 7)

1. Open the locking lever (D) on the base.
2. Thread the depth adjustment ring (B) onto the motor until the ring is about halfway between the top and bottom of the motor. Insert the motor into the base by aligning the groove on the motor (H) with the guide pins (X) on the base. Slide the motor down until the depth adjustment ring snaps into the quick release latches (A).

NOTE: Guide pin grooves are located on either side of the motor so that it can be positioned in two orientations.

3. Close the locking lever when the desired depth is achieved. For information on setting cutting depth, refer to **Adjusting the Depth of Cut**.

For D-Handle Base Only

4. Be sure that the trigger switch (N) is released and the trigger lock button (O) is in the unlocked and off position.
5. Unlock and disconnect the detachable cordset (L) from the motor.
6. Connect the detachable cordset (L) to bottom of D-Handle and lock the cord.
7. Connect the short cord (AA) from top of D-Handle to the motor as shown. Be sure the cord is locked.
8. Place the toggle switch in the ON position. This allows the trigger switch on the D-handle to control the router.

ADJUSTING THE DEPTH OF CUT (FIG. 1, 3)

1. Select and install the desired bit. See the heading **Bit Installation and Removal**.
2. Place the router on its base on the work piece.
3. Open the locking lever (D) and turn the depth adjustment ring (B) until the bit just touches the work piece. Turning the ring clockwise raises the cutting head while turning it counterclockwise lowers the cutting head.
4. Move the adjustable scale clockwise so that 0 on the scale is located exactly above the pointer (Z) on the base.
5. Turn the depth adjustment ring along with the adjustable scale to the desired depth. Note that each mark on the adjustable scale represents a depth change of 1/64" or .015" (0.4 mm).
6. Close the locking lever (D).

Operation: Fixed and D-Handle Base

GRIPPING LOCATIONS (FIG. 1)

Fixed Handle Base: Grip both knob handles (E) while operating.

D-Handle Base: Grip D-Handle (U) and knob handle (E) while operating.

The D-Handle router base has two positions for the knob to accommodate right or left hand use.

TRIGGER LOCK (FIG. 1)

D-Handle Base Only

To lock the trigger, pull the trigger switch (N) completely, then push the trigger lock button (O). The router will remain on after you remove your finger from the trigger. To unlock the trigger lock button, pull the trigger and release. The lock button will pop out and the router will turn off.

Set-up: Plunge Base (Fig. 1, 8–10)

MOTOR QUICK RELEASE

1. Open the locking lever (D) on the base.
2. Grasp the top of the motor unit and lift it from the base.

INSERTING THE MOTOR INTO THE PLUNGE BASE

1. Remove the depth adjustment ring from the motor. It is not used with the plunge base.
2. Open the locking lever (D) on the base to ensure that the motor properly seats.
3. Ensure that the plunge lock lever (R) is locked.
4. Align the flat of the motor's end cap (BB) with pillar (CC) and insert the motor into the plunge base until it stops.
5. Close the locking lever (D).

ADJUSTING THE PLUNGE ROUTING DEPTH (FIG. 8)

1. Unlock the plunge mechanism by pushing up the plunge lock lever (R). Plunge the router down as far as it will go, allowing the bit to just touch the workpiece.
2. Lock the plunge mechanism by pushing the plunge lock lever (R) down.
3. Loosen the depth adjustment rod (Q) by turning the wingscrew (DD) counterclockwise.
4. Slide the depth adjustment rod (Q) down so that it meets the lowest turret stop (P).
5. Slide the tab (EE) on the depth adjustment rod down so that the top of it meets zero on the pillar scale (FF).
6. Grasping the top, knurled section of the depth adjustment rod (Q), slide it up so that the tab (EE) aligns with the desired depth of cut on the pillar scale (FF).
7. Tighten the wingscrew (DD) to hold the depth adjustment rod in place.
8. Keeping both hands on the handles, unlock the plunge mechanism by pushing the plunge lock lever (R) up. The plunge mechanism and the motor will move up. When the router is plunged, the depth adjustment rod will hit the turret stop, allowing the router to reach exactly the desired depth.

FINE ADJUSTMENT OF ROUTING DEPTH

The knurled knob (GG) at the bottom end of the depth adjustment rod can be used to make minor adjustments.

1. To decrease the cutting depth, rotate the knob clockwise (looking down from the top of the router).
2. To increase the cutting depth, rotate the knob counterclockwise (looking down from the top of the router).

NOTE: One complete rotation of the knob results in a change of about 5/128" or .04" (1 mm) in depth.

USING THE ROTATING TURRET STOP (FIG. 9)

⚠ WARNING: *Do not change the turret stop while the router is running. This will place your hands too near the cutter head.*

The turret depth stop can be used to set 5 different depths. One of the turret stops is adjustable. To use the adjustable turret stop, loosen the nut (HH), then adjust the screw (II) to the desired height. Turning the screw counterclockwise will raise the screw which will decrease the cutting depth. The turret stop is useful for making deep cuts in several passes.

DUST EXTRACTION (FIG. 8, 10)

To connect the router to a vacuum cleaner for dust extraction, follow these steps:

1. Remove the dust cap (T) by pulling straight up.
2. Insert the dust extraction hose adapter (JJ) into the dust extraction port (KK) as shown.
3. Insert the end of a standard vacuum cleaner tube (LL) into the hose adapter.
4. When using dust extraction, be aware of the placement of the vacuum cleaner. Be sure that the vacuum cleaner is stable and that its hose will not interfere with the work.

Operation: Plunge Base

GRIPPING LOCATIONS (FIG. 1)

Grip both knob (E) handles while operating.

CUTTING WITH THE PLUNGE BASE (FIG. 8)

⚠ CAUTION: *Turn the router on before plunging the cutter head into the workpiece.*

1. Unlock the plunge lock lever (R).
2. Plunge the router down until the bit reaches the set depth.
3. Lock the plunge lock lever (R).
4. Perform the cut.
5. Unlock the plunge lock lever. This will allow the router bit to disengage the work.
6. Turn the router off.

MAINTENANCE

⚠ WARNING: *To reduce the risk of injury, turn unit off and disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.*

Cleaning

⚠ WARNING: *Blow dirt and dust out of all air vents with clean, dry air at least once a week. To minimize the risk of eye injury, always wear ANSI Z87.1 approved eye protection when performing this.*

⚠ WARNING: *Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.*

NOTE FOR PLUNGE BASE ONLY: Use only a DRY cloth to wipe the plunge rods. These rods require no lubrication. Lubricants attract dust, reducing the performance of your tool.

Accessories

⚠ WARNING: *Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.*

Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any accessory, please contact DEWALT Industrial Tool Co., 701 East Jopppa Road, Towson, MD 21286, call 1-800-4-DEWALT (1-800-433-9258) or visit our website: www.dewalt.com.

Repairs

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by a DEWALT factory service center, a DEWALT authorized service center or other qualified service personnel. 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.
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Register online at www.dewalt.com/register.

Three Year Limited Warranty

DEWALT will repair, without charge, any defects due to faulty materials or workmanship for three years from the date of purchase. This warranty does not cover part failure due to normal wear or tool abuse. For further detail of warranty coverage and warranty repair information, visit www.dewalt.com or call 1-800-4-DEWALT (1-800-433-9258). This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

In addition to the warranty, DEWALT tools are covered by our:

1 YEAR FREE SERVICE

DEWALT will maintain the tool and replace worn parts caused by normal use, for free, any time during the first year after purchase.

90 DAY MONEY BACK GUARANTEE

If you are not completely satisfied with the performance of your DEWALT Power Tool, Laser, or Nailer for any reason, you can return it within 90 days from the date of purchase with a receipt for a full refund – no questions asked.

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 (Fig. 13) become illegible or are missing, call 1-800-4-DEWALT (1-800-433-9258) for a free replacement.

Définitions : lignes directrices en matière de sécurité

Les définitions ci-dessous décrivent le niveau de danger pour chaque mot-indicateur employé. Lire le mode d'emploi et porter une attention particulière à ces symboles.

⚠ DANGER : *indique une situation dangereuse imminente qui, si elle n'est pas évitée, entraînera la mort ou des blessures graves.*

⚠ AVERTISSEMENT : *indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, pourrait entraîner la mort ou des blessures graves.*

⚠ ATTENTION : *indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, pourrait entraîner des blessures légères ou modérées.*

AVIS : *indique une pratique ne posant aucun risque de dommages corporels mais qui par contre, si rien n'est fait pour l'éviter, pourrait poser des risques de dommages matériels.*

POUR TOUTE QUESTION OU REMARQUE AU SUJET DE CET OUTIL OU DE TOUT AUTRE OUTIL DEWALT, COMPOSEZ LE NUMÉRO SANS FRAIS : **1-800-4-DEWALT (1-800-433-9258)**.



AVERTISSEMENT : *afin de réduire le risque de blessures, lire le mode d'emploi de l'outil.*

Avertissements de sécurité généraux pour les outils électriques



AVERTISSEMENT ! Lire tous les avertissements de sécurité et toutes les directives. *Le non-respect des avertissements et des directives pourrait se solder par un choc électrique, un incendie et/ou une blessure grave.*

CONSERVER TOUS LES AVERTISSEMENTS ET TOUTES LES DIRECTIVES POUR UN USAGE ULTÉRIEUR

Le terme « outil électrique » cité dans les avertissements se rapporte à votre outil électrique à alimentation sur secteur (avec fil) ou par piles (sans fil).

1) SÉCURITÉ DU LIEU DE TRAVAIL

- Tenir l'aire de travail propre et bien éclairée.** *Les lieux encombrés ou sombres sont propices aux accidents.*
- Ne pas faire fonctionner d'outils électriques dans un milieu déflagrant, tel qu'en présence de liquides, de gaz ou de poussières inflammables.** *Les outils électriques produisent des étincelles qui pourraient enflammer la poussière ou les vapeurs.*
- Éloigner les enfants et les personnes à proximité pendant l'utilisation d'un outil électrique.** *Une distraction pourrait en faire perdre la maîtrise à l'utilisateur.*

2) SÉCURITÉ EN MATIÈRE D'ÉLECTRICITÉ

- Les fiches des outils électriques doivent correspondre à la prise. Ne jamais modifier la fiche d'aucune façon. Ne jamais utiliser de fiche d'adaptation avec un outil électrique mis à la terre.** *Le risque de choc électrique sera réduit par l'utilisation de fiches non modifiées correspondant à la prise.*
- Éviter tout contact physique avec des surfaces mises à la terre comme des tuyaux, des radiateurs, des cuisinières et des réfrigérateurs.** *Le risque de choc électrique est plus élevé si votre corps est mis à la terre.*
- Ne pas exposer les outils électriques à la pluie ou à l'humidité.** *La pénétration de l'eau dans un outil électrique augmente le risque de choc électrique.*
- Ne pas utiliser le cordon de façon abusive. Ne jamais utiliser le cordon pour transporter, tirer ou débrancher un outil électrique. Tenir le cordon éloigné de la chaleur, de l'huile, des bords tranchants et des pièces mobiles.** *Les cordons endommagés ou enchevêtrés augmentent les risques de choc électrique.*
- Pour l'utilisation d'un outil électrique à l'extérieur, se servir d'une rallonge convenant à cette application.** *L'utilisation d'une rallonge conçue pour l'extérieur réduira les risques de choc électrique.*
- S'il est impossible d'éviter l'utilisation d'un outil électrique dans un endroit humide, brancher l'outil dans une prise ou sur un circuit d'alimentation dotés d'un disjoncteur de fuite à la terre (GFCI).** *L'utilisation de ce type de disjoncteur réduit les risques de choc électrique.*

3) SÉCURITÉ PERSONNELLE

- Être vigilant, surveiller le travail effectué et faire preuve de jugement lorsqu'un outil électrique est utilisé. Ne pas utiliser d'outil électrique en cas de fatigue ou sous l'influence de drogues, d'alcool ou de médicaments.** *Un simple moment d'inattention en utilisant un outil électrique peut entraîner des blessures corporelles graves.*
- Utiliser des équipements de protection individuelle. Toujours porter une protection oculaire.** *L'utilisation d'équipements de protection comme un masque antipoussière, des chaussures antidérapantes, un casque de sécurité ou des protecteurs auditifs lorsque la situation le requiert réduira les risques de blessures corporelles.*
- Empêcher les démarrages intempestifs. S'assurer que l'interrupteur se trouve à la position d'arrêt avant de relier l'outil à une source d'alimentation et/ou d'insérer un bloc-piles, de ramasser ou de transporter l'outil.** *Transporter un outil électrique alors que le doigt repose sur l'interrupteur ou brancher un outil électrique dont l'interrupteur est à la position de marche risque de provoquer un accident.*
- Retirer toute clé de réglage ou clé avant de démarrer l'outil.** *Une clé ou une clé de réglage attachée à une partie pivotante de l'outil électrique peut provoquer des blessures corporelles.*
- Ne pas trop tendre les bras. Conserver son équilibre en tout temps.** *Cela permet de mieux maîtriser l'outil électrique dans les situations imprévues.*
- S'habiller de manière appropriée. Ne pas porter de vêtements amples ni de bijoux. Garder les cheveux, les vêtements et les gants à l'écart des pièces mobiles.** *Les vêtements amples, les bijoux ou les cheveux longs risquent de rester coincés dans les pièces mobiles.*
- Si des composants sont fournis pour le raccordement de dispositifs de dépeussièrement et de ramassage, s'assurer que ceux-ci sont bien raccordés et utilisés.** *L'utilisation d'un dispositif de dépeussièrement peut réduire les dangers engendrés par les poussières.*

4) UTILISATION ET ENTRETIEN D'UN OUTIL ÉLECTRIQUE

- Ne pas forcer un outil électrique. Utiliser l'outil électrique approprié à l'application.** *L'outil électrique approprié effectuera un meilleur travail, de façon plus sûre et à la vitesse pour laquelle il a été conçu.*
- Ne pas utiliser un outil électrique dont l'interrupteur est défectueux.** *Tout outil électrique dont l'interrupteur est défectueux est dangereux et doit être réparé.*
- Débrancher la fiche de la source d'alimentation et/ou du bloc-piles de l'outil électrique avant de faire tout réglage ou changement d'accessoire ou avant de ranger l'outil.** *Ces mesures préventives réduisent les risques de démarrage accidentel de l'outil électrique.*
- Ranger les outils électriques hors de la portée des enfants et ne permettre à aucune personne n'étant pas familière avec un outil électrique ou son mode d'emploi d'utiliser cet outil.** *Les outils électriques deviennent dangereux entre les mains d'utilisateurs inexpérimentés.*
- Entretien des outils électriques. Vérifier si les pièces mobiles sont mal alignées ou coincées, si des pièces sont brisées ou présentent toute autre condition susceptible de nuire au bon fonctionnement de l'outil électrique. En cas de dommage, faire réparer l'outil électrique avant toute nouvelle utilisation.** *Beaucoup d'accidents sont causés par des outils électriques mal entretenus.*
- S'assurer que les outils de coupe sont aiguisés et propres.** *Les outils de coupe bien entretenus et affûtés sont moins susceptibles de se coincer et sont plus faciles à maîtriser.*
- Utiliser l'outil électrique, les accessoires, les forets, etc. conformément aux présentes directives en tenant compte des conditions de travail et du travail à effectuer.** *L'utilisation d'un outil électrique pour toute opération autre que celle pour laquelle il a été conçu est dangereuse.*

5) RÉPARATION

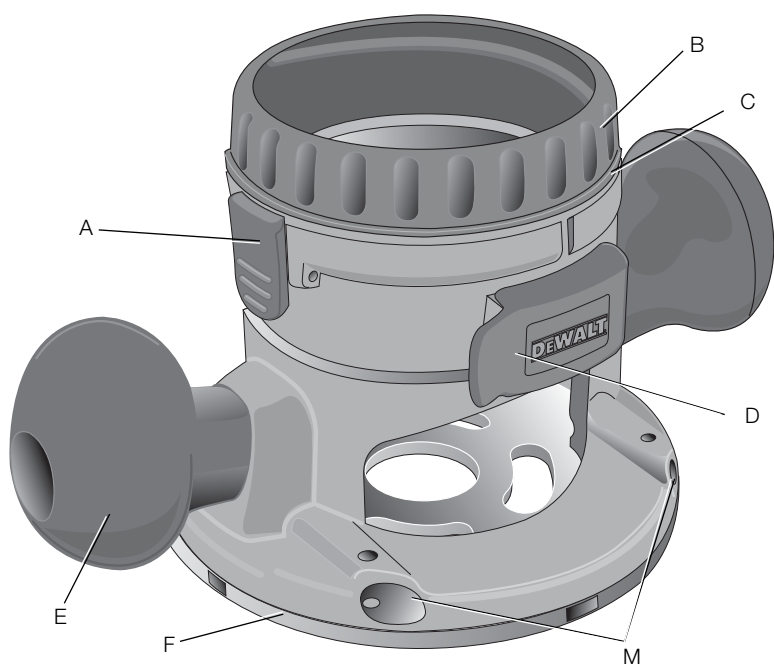
- Faire réparer l'outil électrique par un réparateur professionnel en n'utilisant que des pièces de rechange identiques.** *Cela permettra de maintenir une utilisation sécuritaire de l'outil électrique.*

Règles de sécurité spécifique concernant les toupies

- **Tenir l'outil électrique par ses parties isolées, car l'organe de coupe pourrait entrer en contact avec son cordon.** *Couper un fil sous tension pourra mettre les parties métalliques exposées de l'outil électrique sous tension et électrocuter l'utilisateur.*

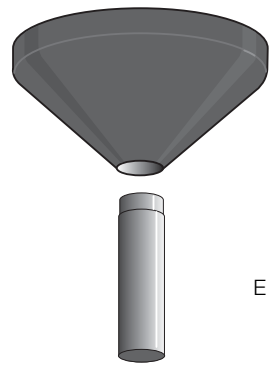
FIG. 1

FIXED BASE - BASE FIXE - BASE FIJA

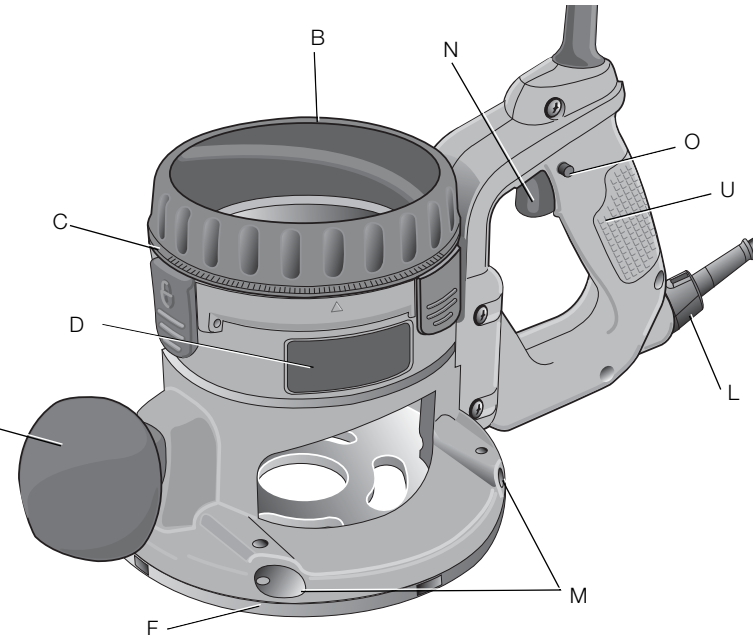


CENTERING TOOL
OUTIL DE CENTRAGE
HERRAMIENTA DE CENTRADO
(DNP617)

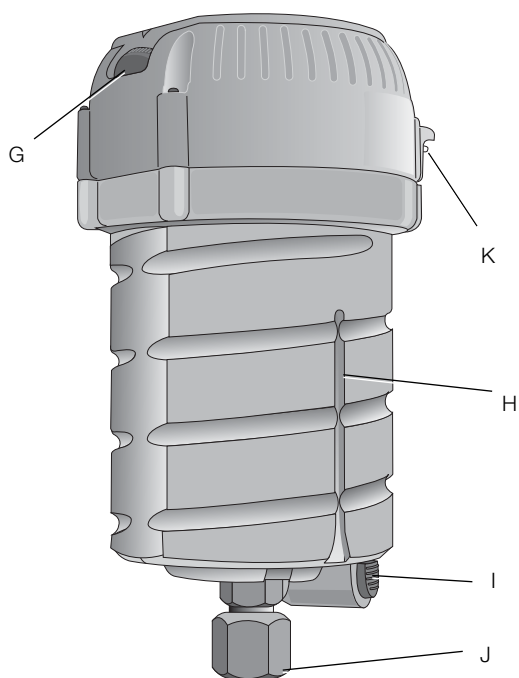
SOLD SEPARATELY
VENDU SÉPARÉMENT
VENDIDA EN FORMA SEPARADA



D-HANDLE BASE - BASE DE LA POIGNÉE FERMÉE
BASE CON MANGO EN D



MOTOR - BLOC MOTEUR - UNIDAD DEL MOTOR



PLUNGE BASE - BASE PLONGEANTE - BASE PARA PENETRACIÓN

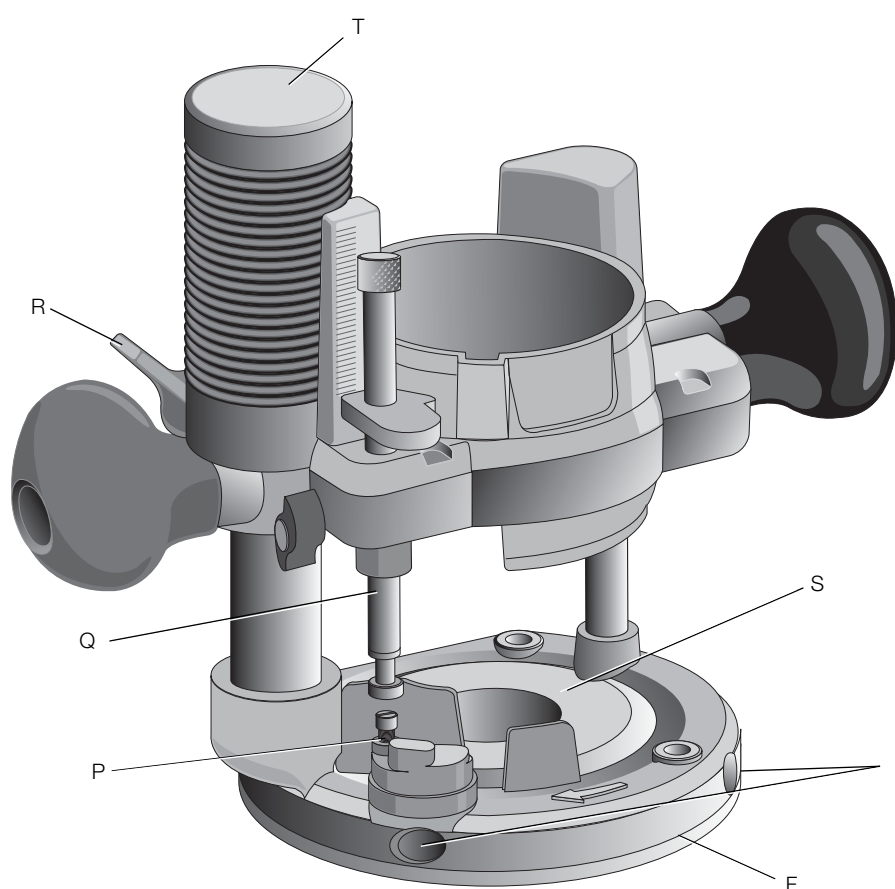


FIG. 1A

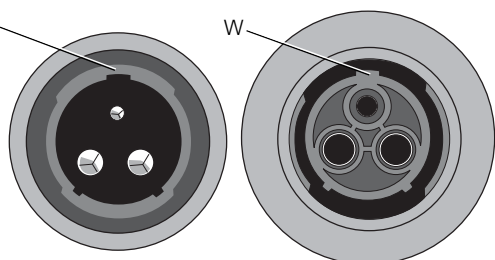


FIG. 2

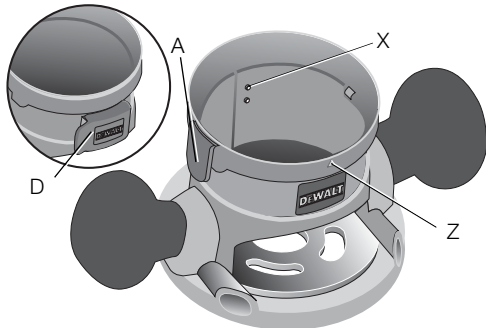


FIG. 3

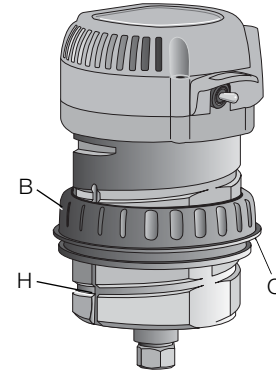


FIG. 4

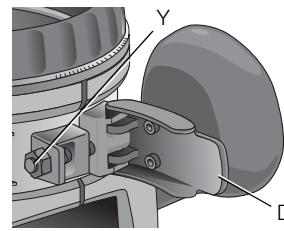


FIG. 5

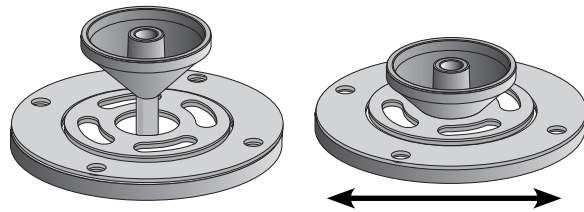


FIG. 6

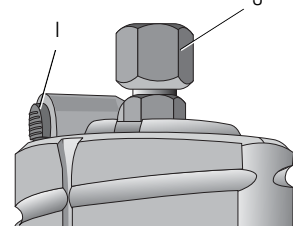


FIG. 8

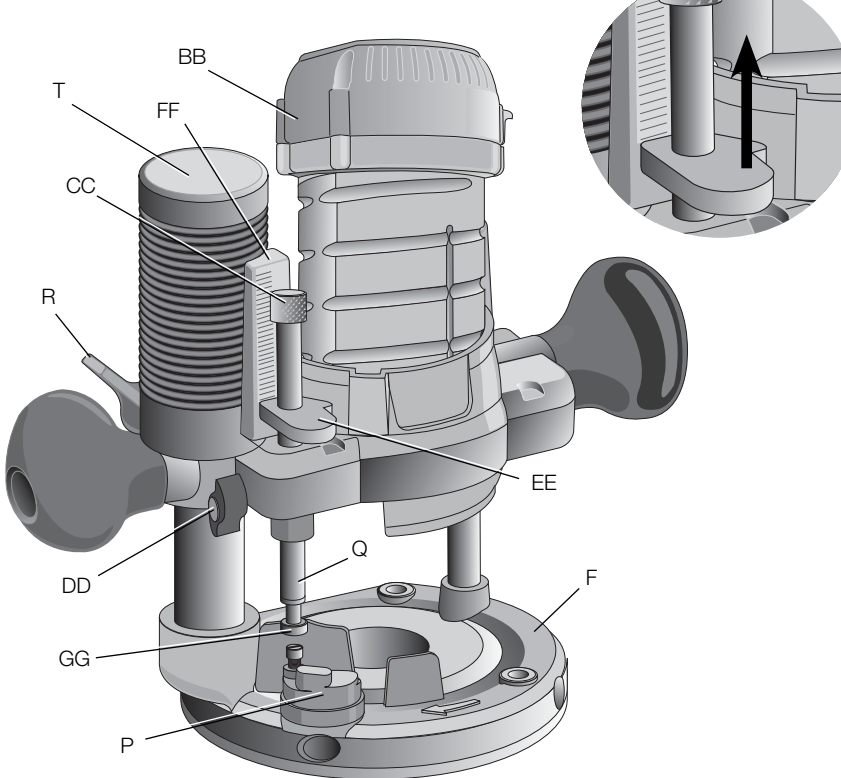


FIG. 7

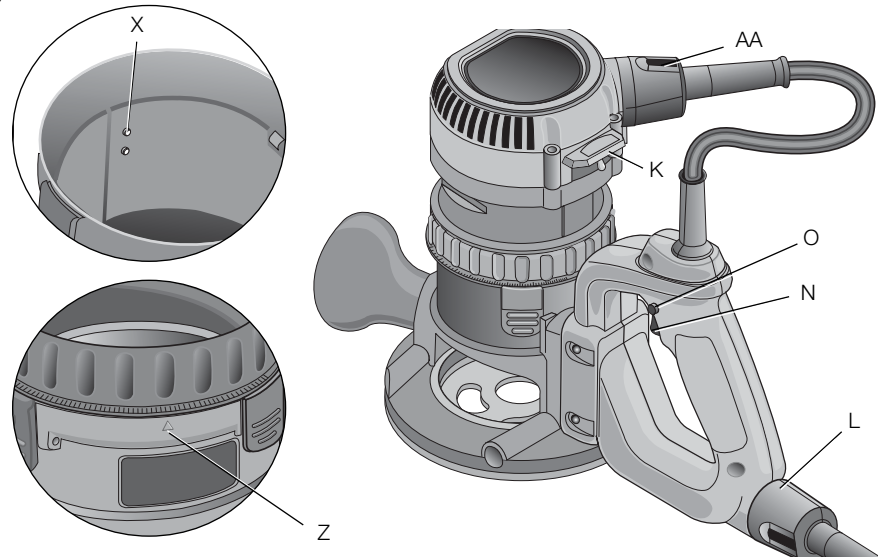


FIG. 9

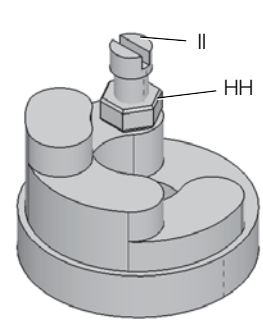


FIG. 10

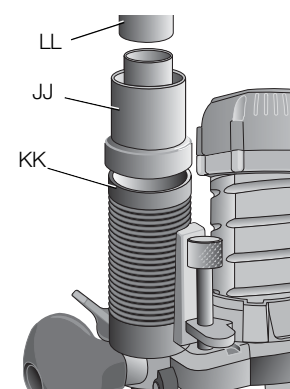


FIG. 11

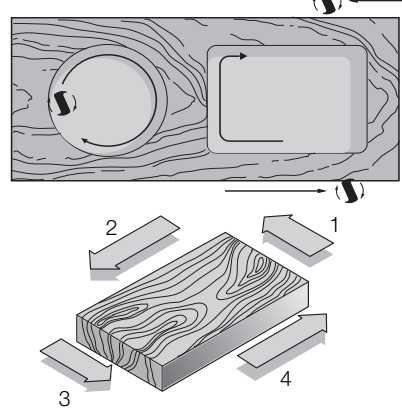


FIG. 12

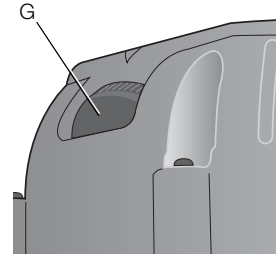


FIG. 13



SPEED SELECTION CHART

DIAL SETTING	APPROX. RPM
1	8,000
2	12,000
3	14,000
4	18,000
5	21,000
6	24,000

The speeds in this chart are approximate and are for reference only. Your router may not produce the exact speed listed for the dial setting.

▲ WARNING: Always follow the bit manufacturer's speed recommendations as some bit designs require specific speeds for safety or performance. If you are unsure of the proper speed or are experiencing any type of problem, contact the bit manufacturer.

SÉLECTION DE VITESSE

RÉGLAGE CADRAN	R/MIN APPROX. R/MIN
1	8 000
2	12 000
3	14 000
4	18 000
5	21 000
6	24 000

Les vitesses de ce tableau sont approximatives et ne sont données qu'à titre de référence. Il se pourra que votre toupie ne produise pas exactement la vitesse donnée pour un réglage spécifique du cadran.

▲ AVERTISSEMENT : suivre systématiquement les recommandations du fabricant de forets quant à la vitesse, car certains forets ont été conçus pour des vitesses spécifiques pour des raisons de sécurité ou de performances. Si vous n'êtes pas sûr de la vitesse correcte ou rencontrez un problème quelconque, veuillez contacter le fabricant du foret.

SELECCIÓN DE VELOCIDAD

POSICIÓN DEL SELECTOR	RPM APROXIMADAS
1	8 000
2	12 000
3	14 000
4	18 000
5	21 000
6	24 000

Las velocidades que aparecen en esta tabla son aproximadas y se ofrecen solamente a título de referencia. Su rebajadora quizás no produzca la velocidad exacta indicada para la posición del selector.

▲ ADVERTENCIA: Siga siempre las recomendaciones de velocidad del fabricante de la broca puesto que algunos diseños de broca requieren velocidades específicas por razones de seguridad o rendimiento. Si no está seguro de la velocidad adecuada o tiene cualquier tipo de problema, contacte con el fabricante de la broca.