

IMPORTANT
Read Before Using

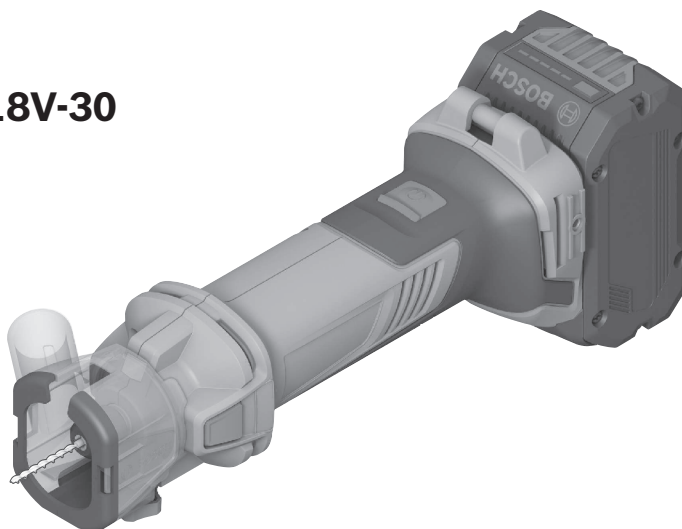
IMPORTANT
Lire avant usage

IMPORTANTE
Leer antes de usar



Operating / Safety Instructions
Consignes d'utilisation / de sécurité
Instrucciones de funcionamiento y seguridad

GCU18V-30



BOSCH

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For English Version
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Version française
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Versión en español
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Safety Symbols

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

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

General Power Tool Safety Warnings

WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below 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

- Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. Electrical safety

- 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.
- 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.

- Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- 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.
- 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.
- If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply.** Use of an GFCI reduces the risk of electric shock.

3. Personal safety

- 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.



General Power Tool Safety Warnings

- b. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a 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 and clothing 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.
- h. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.
- ing 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 and accessories. 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.
- h. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5. Battery tool use and care

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 remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing the power tool.**
- d. **Under abusive conditions, liquid may be ejected from the battery, avoid contact.** If

General Power Tool Safety Warnings

contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

- e. **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- f. **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 265 °F may cause explosion.
- g. **Follow all charging instructions and do not charge the battery pack or tool outside the**

temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6. 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.
- b. **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

Cut Out Tool Safety Rules

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.

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 and damage the bit.

Never hold the workpiece in one hand and the tool in the other hand when in use. Never place hands near or below cutting surface. Clamping the material and guiding the tool with both hands is safer.

Never lay workpiece on top of hard surfaces, like concrete, stone, etc... Protruding cutting bit may cause tool to jump.

Always wear safety goggles and dust mask. Use only in well ventilated area. Using personal safety devices and working in safe environment reduces risk of injury.

After changing the bits or making any adjustments, make sure the collet nut and any other adjustment devices are securely tightened. Loose adjustment device can unexpectedly shift, causing loss of control, loose rotating components will be violently thrown.

Never start the tool when the bit is engaged in the material. The bit cutting edge may grab the material causing loss of control of the cutter.

Always hold the tool with two hands during start-up. The reaction torque of the motor can cause the tool to twist.

When routing or cutting, the direction of feed with the bit's cutting edge into the material is very important. Always feed the bit into the material in the same direction as the cutting edge is exiting from the material. When viewing the tool from the top, the bit rotates clockwise. If the tool is between the workpiece and your body, then feed the tool to your right. If the workpiece is between the tool and your body, then feed the tool to your left. Feeding the tool in the wrong direction causes the cutting edge of the bit to climb out of the work and pull the tool in the direction of this feed.

Never use dull or damaged bits. Sharp bits must be handled with care. Damaged bits can snap during use. Dull bits require more force to push the tool, possibly causing the bit to break.

Never touch the bit during or immediately after the use. After use the bit is too hot to be touched by bare hands.

Never lay the tool down until the motor has come to a complete standstill. The spinning bit can grab the surface and pull the tool out of your control.

Never use bits that have a cutting diameter greater than the opening in the base.

Cut Out Tool Safety Rules

Do not use the tool for drilling purposes. This tool is not intended to be used with drill bits.

Always use the tool with the depth stop securely attached and positioned flat against material being cut. The depth stop securely positioned on the material improves the stability and control of your tool.

When connecting tool to dust collection and extraction systems, be sure these are connected and used according to tool and vacuum instructions. Proper use of dust collection can reduce dust related hazards.

When using tool with dust collection and extraction systems, empty the dust container before beginning work, frequently during work, after completion of work, and before storing the tool. Be extremely careful of dust disposal, materials in fine particle form may be explosive.

Do not throw dust on an open fire. Fine dust particles may burn explosively.

When performing sanding and surface preparation operations with tool connected to a dust collection and extraction system be aware of the materials creating the dust. Combustion

from mixture of varnishes, lacquers, polyurethane, oil or water with dust particles can occur if there is a static discharge, electric spark, or excessive heat causing a fire in the dust collection and extraction system.

Do not use dust extraction for operations that include burning, smoking or smoldering items like hot ashes or sparks. Fire inside the vacuum tank or bag may occur. Dust may smolder and set vacuum on fire long after work is completed.

Do not use dust extraction with explosive dusts, varnish, polyurethane coatings, cleaners, or oil-based paints. Electric motors create sparks which may ignite the dust or fumes.

Do not use dust extraction when working on metal. Swarf from sanding, grinding or cutting metal may be hot and may spark which may melt plastic adaptors, vacuum hoses, and may cause a fire inside the vacuum tank or bag.

The permitted speed of the cutting bit must be at least equal to the maximum speed marked on the powertool. If cutting bits run faster than their rated speed, they may break and fly off.

Additional Safety Warnings

GFCI and personal protection devices like electrician's rubber gloves and footwear will further enhance your personal safety.

Develop a periodic maintenance schedule for your tool. When cleaning a tool be careful not to disassemble any portion of the tool since internal wires may be misplaced or pinched or safety guard return springs may be improperly mounted. Certain cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc. may damage plastic parts.

⚠ WARNING Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known 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.

Symbols

Important: Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

Symbol	Designation/Explanation
V	Volts (voltage)
A	Amperes (current)
Hz	Hertz (frequency, cycles per second)
W	Watt (power)
kg	Kilograms (weight)
min	Minutes (time)
s	Seconds (time)
Ø	Diameter (size of drill bits, grinding wheels, etc.)
n_0	No load speed (rotational speed, at no load)
n	Rated speed (Maximum attainable speed)
.../min	Revolutions or reciprocation per minute (revolutions, strokes, surface speed, orbits etc. per minute)
0	Off position (zero speed, zero torque...)
1, 2, 3, ... I, II, III,	Selector settings (speed, torque or position settings. Higher number means greater speed)
0 	Infinitely variable selector with off (speed is increasing from 0 setting)
	Arrow (action in the direction of arrow)
~	Type or a characteristic of current
==	Type or a characteristic of current
	Type or a characteristic of current
	Designates Double Insulated Construction tools
	Grounding terminal
	Alerts user to warning messages

Symbols

Important: Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

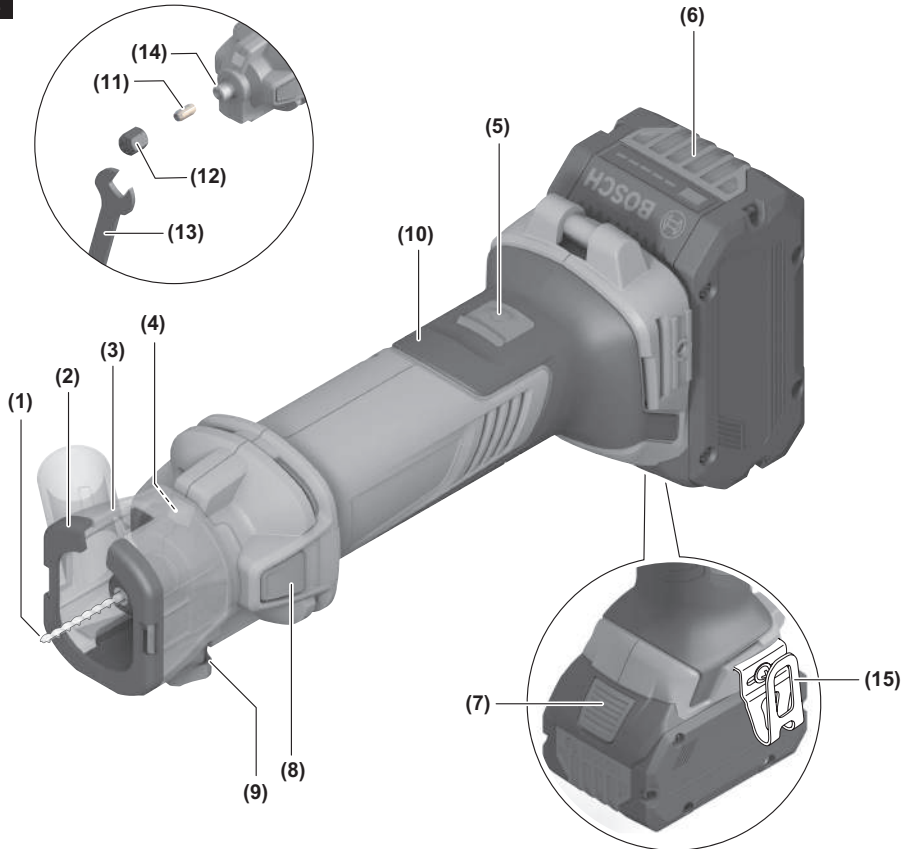
Symbol	Designation/Explanation
	Alerts user to read manual.
	Alerts user to wear eye protection.
	Alerts user to wear respiratory protection.
	Alerts user to wear hearing protection.
	Alerts user to wear eye, respiratory, and hearing protection.
	This symbol designates that this tool is listed by Underwriters Laboratories, to United States and Canadian Standards.
	This symbol designates that this tool is listed by the Canadian Standards Association.
	This symbol designates that this tool is listed by the Canadian Standards Association, to United States and Canadian Standards.
	This symbol designates that this tool is listed by the Intertek Testing Services, to United States and Canadian Standards.
	Designates Li-ion battery recycling program.

Getting to Know Your Product

⚠ WARNING Disconnect battery pack from tool before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

Bosch GCU18V-30 Cut Out Tool

Fig. 1



- | | |
|----------------------------------|--|
| (1) Bit | (10) Handle (insulated gripping surface) |
| (2) Adjustable Depth Stop | (11) Collet |
| (3) Dust Hood | (12) Collet Nut |
| (4) LED Worklight | (13) Wrench (16 mm) |
| (5) On/Off Push Switch | (14) Output Shaft |
| (6) Battery Pack* | (15) Belt Clip |
| (7) Battery Pack Release Button* | (16) Vacuum Hose (see page 15)* |
| (8) Spindle Lock Button | |
| (9) Adjustable Depth Stop Knob | |

* Sold Separately

Specifications

Model Number	GCU18V-30
Voltage rating	18 V
No load speed	n_0 30,000/min
Permitted battery temperature during charging	+32...+113°F (0...+45°C)
Permitted ambient temperature during operation and storage	-4...+122°F (-20...+50°C)
Recommended ambient temperature during charging	+32...+95°F (0...+35°C)

Battery Packs / Chargers:

Please refer to the battery/charger list, included with your tool.

NOTE: For tool specifications refer to the nameplate on your tool.

Intended Use

⚠ WARNING Use this cut out tool only as intended. Unintended use may result in personal injury and property damage.

The power tool is intended for cutting plaster, plastic, drywalls and non-metallic light construction materials.

Assembly

⚠ WARNING Disconnect battery pack from tool before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally. Make certain that the collet nut is securely tightened before turning the tool on.

⚠ WARNING The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.

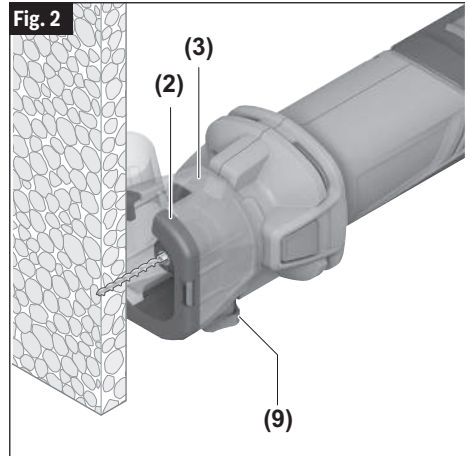
⚠ CAUTION Wear protective gloves when installing and replacing bits. Bits intended for cutout tools have sharp surfaces.

Removing, Installing, and Adjusting the Adjustable Depth Stop and Dust Hood Assembly

In order to remove the adjustable depth stop (Figure 2, **2**) and dust hood (**3**) assembly from the tool, turn the adjustable depth stop knob (**9**) counter-clockwise until you can remove it from the tool. The adjustable depth stop (**2**) and dust hood (**3**) assembly should then pull freely from the tool. Be careful not to lose the washer that is on the adjustable depth stop knob (**9**) screw.

To reattach the adjustable depth stop (**2**) and dust hood (**3**) assembly, line up the slot in the adjustable depth stop (**2**) and dust hood (**3**) assembly with the threaded hole in the metal housing and re-install the adjustable depth stop knob (**9**) by rotating it clockwise until tight. Be careful not to cross-thread the adjustable depth stop knob screw.

The adjustable depth stop (**2**) allows you to control the depth of cut. Loosen the adjustable depth stop knob by turning it counter-clockwise until the depth stop can slide freely. For bits with a guide point, make sure that the entire guide point tip will extend 1/8" (3.18 mm) beyond the material thickness (Fig. 2). For standard point drywall bits, make sure that the fluted end of the bit extends 1/8" (3.18 mm) beyond the material thickness.



Assembly

Changing the Collet

The tool includes 1/8", 5/32", and 1/4" collets. The 1/8" collet is used with 1/8" diameter bits, the 5/32" collet is used with 5/32" diameter bits and the 1/4" collet is used with 1/4" diameter bits.

To change collets, press and hold the spindle lock button (Figure 3, 8). If necessary, turn the motor spindle (with collet nut) manually until it is locked in place.

Next, unscrew the collet nut (12) with the provided wrench (13) by turning it in the direction of rotation 1 and then release the spindle lock button.

Place the desired collet in the output shaft (14). Each collet is double-ended and either end is acceptable to use.

Ensure that the collet (11) is fully inserted in the output shaft and has a small amount of play. The collet nut (12) must be easy to fit. If the collet nut or collet is damaged, replace it immediately.

Next, hand tighten the collet nut (12) by turning in the direction of rotation 2.

Installing Bits

CAUTION The bit flutes are sharp and should be handled with caution. Contact with bit flutes could result in minor or moderate injury.

To prevent damage to tool, never use the spindle lock as a braking device to stop the tool from rotating.

Never tighten the collet with the collet nut if there is not a bit installed. The collet may otherwise become damaged.

The tool accepts spiral type bits, standard multi-purpose bits, and standard drywall bits.

The bits are held by a collet system. Use either the 1/8", 5/32", or 1/4" collet depending on the size of the bit shank.

Press and hold the spindle lock button (Figure 4, 8). If necessary, turn the motor spindle (with collet nut) manually until it is locked in place.

Fig. 3

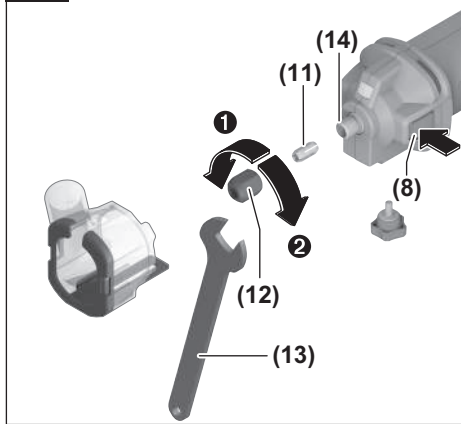
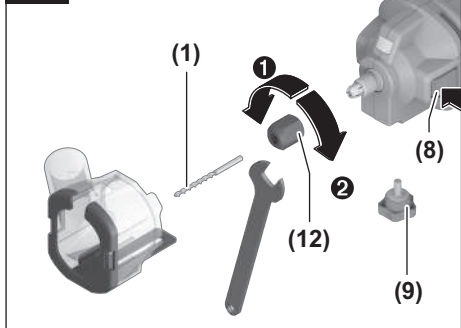


Fig. 4



Next, Unscrew the collet nut (12) with the provided wrench (13) by turning it in the direction of rotation 1 and then release the spindle lock button.

Remove the old bit (if there is one) and insert the new bit (1). The bit shank must be inserted at least 3/4" (approximately 20mm) into the collet.

Next, press and hold the spindle lock button (8) and securely tighten the collet nut (12) with the provided wrench (13) by turning it in the direction of rotation 2.

Assembly

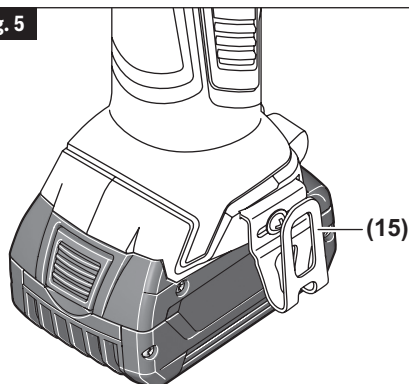
Belt Clip

⚠ WARNING When the tool is attached to the belt, position yourself to avoid entanglement with surrounding objects. Unexpected entanglement could cause the tool to fall resulting in injury to the operator or bystanders.

The belt clip (Figure 5, **15**) will allow you to conveniently attach your tool to your belt. This feature will allow you to have both hands free when climbing a ladder or moving to another work area.

Attach the belt clip (**15**) to the tool by securing it with the supplied mounting screw.

Fig. 5



Inserting and Releasing Battery Pack

To insert the battery pack:

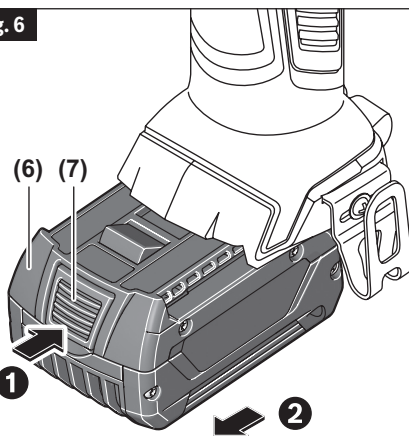
Slide charged battery pack (Figure 6, **6**) into the housing until the battery pack locks into position (Figure 6, action **1**).

Your tool is equipped with a secondary locking latch to prevent the battery pack from completely falling out of the handle, should it become loose due to vibration.

To remove the battery pack:

Press the battery pack release button (**7**) and slide the battery pack forward (Figure 6, action **2**).

Fig. 6



Operation

⚠ WARNING The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.

On/Off Push Switch

⚠ CAUTION Hold the tool with both hands while starting. Torque from the motor can cause the tool to twist.

To turn the tool “ON”, press and hold the on/off push switch (Figure 1, 5) until the LED work light (Figure 1, 4) comes on and the tool turns on.

NOTE: The on/off push switch has to be held down for a very brief period in order to turn the tool on. This is to help prevent accidental actuation of the tool.

To turn the tool “OFF”, press the on/off push switch (5).

LED Work Light

Upon starting the tool, the LED work light (Figure 1, 4) switches on and illuminates the work area.

Make a Few Practice Cuts

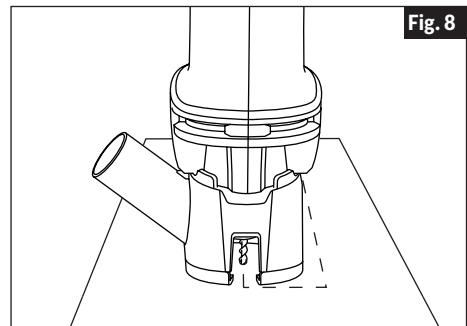
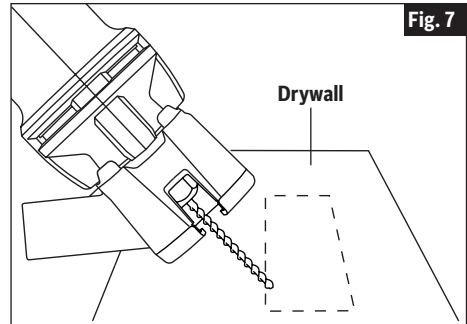
⚠ WARNING Do not attempt to use this tool to make cutouts around any fixture or opening which has live electrical wires, or any wall which may have live electrical wiring behind it. Shut off breakers or remove fuses to disconnect the circuit. Always hold the tool by its thermoplastic housing. The bit could conduct electrical current to the tool, creating an electrocution hazard for the operator.

After installing the bit into the tool and adjusting your depth stop, you should make a few practice cuts with the tool before attempting an actual job. A few exercises will give you the necessary practice to make clean, professional cuts.

Step 1: Make certain that the collet nut (Figure 1, 12) is securely tightened before turning the tool on.

Step 2: Hold the tool firmly and turn the tool “ON”.

Step 3: While holding the tool firmly, insert the bit into the material at a 45° angle (Fig. 7).



Step 4: Slowly bring it to a 90° angle to begin the cut (Fig. 8). The adjustable depth stop should be flush to the material surface. For all materials (EXCEPT cutting around outlet boxes in drywall), steer the tool in a clockwise direction with slow, steady pressure to make the cut.

Step 5: After completing your cut, turn off the tool and carefully remove it from the material.

NOTE: Because of the rotating cutting action of the bit, there will be a slight pull when cutting. The slower you cut, the more control you have. Excessive pressure or fast cutting will cause excessive heat and may shorten the life of the bit.

NOTE: When cutting on a vertical surface, avoid ending your cut at the bottom of the hole. If possible, start and end your cut at the top so the scrap part will not drop onto the rotating bit. Turn the tool off and remove it from the material.

Operation

Instructions for creating cut-outs in drywall for outlets, can lights, windows, and doors

⚠ WARNING Do not attempt to use this tool to make cutouts around any fixture or opening which has live electrical wires, or any wall that may have live electrical wiring behind it. Shut off breakers or remove fuses to disconnect the circuit. Always hold the tool by its thermoplastic housing. The bit could conduct electrical current to the tool, creating an electrocution hazard for the operator.

After assembling the bit into the tool as described earlier, it will be necessary to review the instructions provided below and make some practice cut-outs with this tool before attempting an actual job. The best method is to take some scrap pieces and nail or screw them in place over wall studs which have an electrical box or other feature in place. A few such exercises will give you the necessary practice to make clean, professional cutouts around whatever is behind the drywall you are installing.

Step 1: Be certain that the box or fixture is firmly mounted and all wires or other obstructions around the opening are pushed back out of the way. The bit uses the outer edge of the box or fixture as a guide, so it is important that there is nothing in the way which can prevent it from guiding completely around the opening. For the purposes of this instruction manual, the procedure discussed will be to make a cut-out around a standard 2 1/8" x 3 3/4" electrical box.

Step 2: Turn the tool on. While holding the tool firmly with both hands, plunge the bit through the middle (Figure 10, cut ②). Then guide the bit to the right until you feel and hear the bit touch the inside edge of the box (Fig. 9).

Step 3: Pull the bit out far enough to slip it over the edge of the box so it is now against the outside of the box (Figure 10, cut ③).

Step 4: While keeping the bit in contact with the outside of the box move the tool counter clockwise while applying light inward and upward pressure until you feel and hear it come to the corner. As you round the corner apply light pressure left and downward (Figure 10, cut ④).

Fig. 9

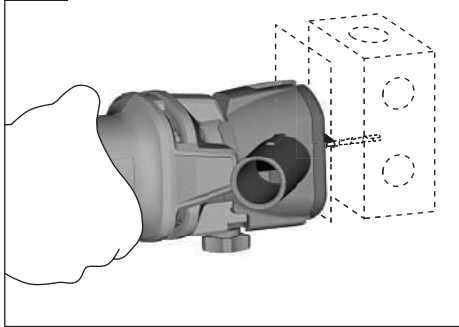
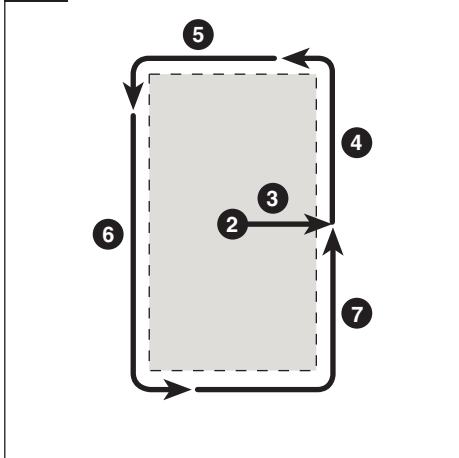


Fig. 10



Step 5: While moving slowly and continuously along the top contour you will feel the bit come to the next corner. Round the corner and apply light down and inward pressure until the bottom corner is reached (Figure 10, cut ⑤).

Step 6: Move the bit right and upward maintaining light continuous pressure toward the box (Figure 10, cut ⑥).

Step 7: Round the right bottom corner and begin moving the bit upward while applying light pressure left toward the box until you meet initial upward cut. Press the on/off button to turn the tool off (Figure 10, cut ⑦).

NOTE: These step-by-step instructions are generalized to acquaint you with the cut out tool operation. After some practice, you may develop a

Operation

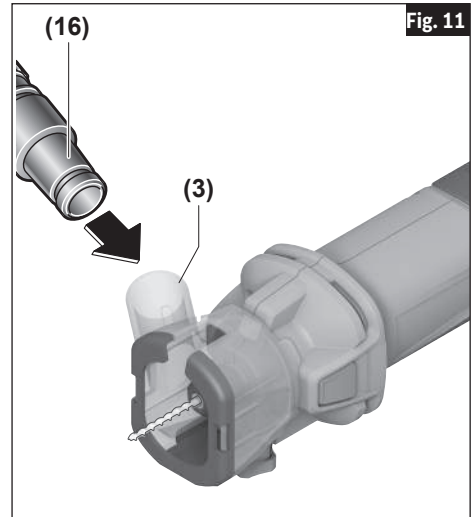
technique with which you are more comfortable. However, you must always begin the cut somewhat centrally, and MOVE THE cut out tool ONLY COUNTER-CLOCKWISE to take advantage of the “hugging” action of the bit along the contours of the template. Remember to use a smooth, continuous motion. The exception to this rule applies to cutting window and door openings. Since you are tracing around the inside of the framing members, move the bit clockwise to take advantage of the bits “hugging” action.

Attaching Vacuum Hose

Bosch vacuum hose adapters VX120 and VAC024 are compatible with this tool.

1. Position and attach vacuum hose adapter (Figure 11, **16**) to the dust hood chute (**3**).
2. Attach shop vacuum hose into large end of vacuum hose adapter (**16**).

For use with 1-1/4", 1-1/2", 2-1/4" or 2-1/2" diameter vacuum hoses.



Maintenance

⚠ WARNING To avoid accidents, always disconnect the battery pack from tool before servicing or cleaning.

Service

⚠ WARNING NO USER SERVICEABLE PARTS INSIDE. Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause serious hazard. We recommend that all tool service be performed by a Bosch Factory Service Center or Authorized Bosch Service Station.

Batteries

Be alert for battery packs that are nearing their end of life. If you notice decreased tool performance or significantly shorter running time between charges then it is time to replace the battery pack. Failure to do so can cause the tool to operate improperly or damage the charger.

Tool Lubrication

Your Bosch tool has been properly lubricated and is ready for use.

Motors

The motor in your tool has been engineered for many hours of dependable service. To maintain peak efficiency of the motor, we recommend it be examined every six months. Only a genuine Bosch replacement motor specially designed for your tool should be used.

Cleaning

⚠ CAUTION Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through opening.

Accessory Storage & Maintenance

Store accessories in a cool dry place and avoid freezing. Before use check accessory for cracks and fractures, do not use if damage is suspected.

Accessories

⚠ WARNING Do not use attachments/accessories other than those specified by Bosch. Use of attachments/accessories not specified for use with the tool described in this manual may result in damage to tool, property damage, and or personal injury.

Standard equipment	Optional accessories and attachments
– 1/8" Straight Flute Bit – 1/8" Guide Point Bit	– VX120 Power Tool Hose Adapter for Vh-Series Vac Hoses – VAC024 Vacuum Hose Adapter for 1-1/4 In. and 1-1/2 In. Hoses



LIMITED WARRANTY OF BOSCH PORTABLE AND BENCHTOP POWER TOOLS

Robert Bosch Tool Corporation ("Seller") warrants to the original purchaser only, that all BOSCH portable and benchtop power tools will be free from defects in material or workmanship for a period of one year from date of purchase. Seller's sole obligation and your exclusive remedy under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Station. To make a claim under this Limited Warranty, you must return the complete portable or benchtop power tool product, transportation prepaid, to any BOSCH Factory Service Center or Authorized Service Station. For Authorized BOSCH Power Tool Service Stations, please refer to your phone directory.

This Limited Warranty does not apply to accessory ITEMS SUCH AS CIRCULAR SAW BLADES, DRILL BITS, ROUTER BITS, JIGSAW BLADES, SANDING BELTS, GRINDING WHEELS AND OTHER RELATED ITEMS.

ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO ONE YEAR FROM DATE OF PURCHASE. SOME STATES IN THE U.S., SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE IN THE U.S., PROVINCE TO PROVINCE IN CANADA AND FROM COUNTRY TO COUNTRY.

THIS LIMITED WARRANTY APPLIES ONLY TO PORTABLE AND BENCHTOP ELECTRIC TOOLS SOLD WITHIN THE UNITED STATES OF AMERICA, CANADA AND THE COMMONWEALTH OF PUERTO RICO. FOR WARRANTY COVERAGE WITHIN OTHER COUNTRIES, CONTACT YOUR LOCAL BOSCH DEALER OR IMPORTER.

GARANTIE LIMITÉE DES OUTILS ÉLECTRIQUES PORTATIFS ET D'ÉTABLI BOSCH

Robert Bosch Tool Corporation (le « vendeur ») garantit à l'acheteur initial seulement que tous les outils électriques portatifs et d'établi BOSCH seront exempts de vices de matériaux ou d'exécution pendant une période d'un an depuis la date d'achat. LA SEULE OBLIGATION DU VENDEUR ET LE SEUL RECOURS DE L'ACHETEUR sous la présente garantie limitée, et en autant que la loi le permette sous toute garantie ou condition implicite qui en découlerait, sera l'obligation de remplacer ou réparer gratuitement les pièces défectueuses matériellement ou comme fabrication, pourvu que lesdites défectuosités ne soient pas attribuables à un usage abusif ou à quelque réparation bricolée par quelqu'un d'autre que le vendeur ou le personnel d'une station-service agréée. Pour présenter une réclamation en vertu de cette garantie limitée, vous devez renvoyer l'outil électrique portatif ou d'établi complet, port payé, à tout centre de service agréé ou centre de service usine. Veuillez consulter votre annuaire téléphonique pour les adresses.

LA PRÉSENTE GARANTIE NE S'APPLIQUE PAS AUX ACCESSOIRES TELS QUE LAMES DE SCIÉS CIRCULAIRES, MÊCHES DE PERCEUSES, FERS DE TOUPIES, LAMES DE SCIÉS SAUTEUSES, COURROIES DE PONÇAGE, MEULES ET AUTRES ARTICLES DU GENRE.

TOUTE GARANTIE IMPLICITE SERA LIMITÉE COMME DURÉE À UN AN À COMPTER DE LA DATE D'ACHAT. CERTAINS ÉTATS AMÉRICAINS, CERTAINES PROVINCES CANADIENNES N'ADMETTANT PAS LE PRINCIPE DE LA LIMITATION DE LA DURÉE DES GARANTIES IMPLICITES, IL EST POSSIBLE QUE LES LIMITATIONS CI-DESSUS NE S'APPLIQUENT PAS À VOTRE CAS.

EN AUCUN CAS LE VENDEUR NE SAURAIT ÊTRE TENU POUR RESPONSABLE DES INCIDENTS OU DOMMAGES INDIRECTS (INCLUANT, MAIS NE SE LIMITANT PAS AUX PERTES DE PROFITS) CONSÉCUTIFS À LA VENTE OU L'USAGE DE CE PRODUIT. CERTAINS ÉTATS AMÉRICAINS ET CERTAINES PROVINCES CANADIENNES N'ADMETTANT PAS LE PRINCIPE DE LA LIMITATION NI L'EXCLUSION DES DOMMAGES INDIRECTS ET CONSÉQUENTIELS, IL EST POSSIBLE QUE LES LIMITATIONS OU EXCLUSIONS CI-DESSUS NE S'APPLIQUENT PAS À VOTRE CAS.

LA PRÉSENTE GARANTIE VOUS ACCORDE DES DROITS BIEN DÉTERMINÉS, Y COMPRIS POSSIBLEMENT CERTAINS DROITS VARIABLES DANS LES DIFFÉRENTS ÉTATS AMÉRICAINS, PROVINCES CANADIENNES ET DE PAYS À PAYS.

CETTE GARANTIE LIMITÉE NE S'APPLIQUE QU'ÀUX OUTILS ÉLECTRIQUES PORTATIFS ET D'ÉTABLI VENDUS AUX ÉTATS-UNIS D'AMÉRIQUE, AU CANADA ET AU COMMONWEALTH OF PORTO RICO. POUR COUVERTURE DE GARANTIE DANS LES AUTRES PAYS, CONTACTEZ VOTRE IMPORTATEUR OU REVENDEUR BOSCH LOCAL.

GARANTIA LIMITADA PARA HERRAMIENTAS MECANICAS PORTATILES Y PARA TABLERO DE BANCO BOSCH

Robert Bosch Tool Corporation ("el Vendedor") garantiza, únicamente al comprador original, que todas las herramientas mecánicas portátiles y para tablero de banco BOSCH estarán libres de defectos de material o de fabricación durante un período de un año a partir de la fecha de compra. LA ÚNICA OBLIGACION DEL VENDEDOR Y EL RECURSO EXCLUSIVO QUE USTED TIENE bajo esta Garantía Limitada y, hasta donde la ley lo permita, bajo cualquier garantía o condición implícita por ley, consistirá en la reparación o sustitución sin costo de las piezas que presenten defectos de material o de fabricación y que no hayan sido utilizadas incorrectamente, manejadas descuidadamente o reparadas incorrectamente por personas que no sean el Vendedor o una Estación de servicio autorizada. Para efectuar una reclamación bajo esta Garantía Limitada, usted debe devolver el producto, que consiste en la herramienta mecánica portátil o para tablero de banco completa, con el transporte pagado, a cualquier Centro de servicio de fábrica o Estación de servicio autorizada. Para Estaciones de servicio autorizadas de herramientas mecánicas BOSCH, por favor, consulte el directorio telefónico. ESTA GARANTIA LIMITADA NO SE APLICA A ARTICULOS ACCESORIOS TALES COMO HOJAS PARA SIERRAS CIRCULARES, BROCAS PARA TALADROS, BROCAS PARA FRESADORAS, HOJAS PARA SIERRAS DE VAIVEN, CORREAS PARA LIJAR, RUEDAS DE AMOLAR Y OTROS ARTICULOS RELACIONADOS.

TODAS LAS GARANTIAS IMPLICITAS TENDRAN UNA DURACION LIMITADA A UN AÑO A PARTIR DE LA FECHA DE COMPRA. ALGUNOS ESTADOS DE LOS EE.UU. Y ALGUNAS PROVINCIAS CANADIENSES NO PERMITEN LIMITACIONES EN CUANTO A LA DURACION DE UNA GARANTIA IMPLICITA, POR LO QUE ES POSIBLE QUE LA LIMITACION ANTERIOR NO SEA APLICABLE EN EL CASO DE USTED.

EL VENDEDOR NO SERA RESPONSABLE EN NINGUN CASO DE NINGUN DAÑO INCIDENTAL O EMERGENTE (INCLUYENDO PERO NO LIMITADO A RESPONSABILIDAD POR PERDIDA DE BENEFICIOS) QUE SE PRODUZCA COMO CONSECUENCIA DE LA VENTA O UTILIZACION DE ESTE PRODUCTO. ALGUNOS ESTADOS DE LOS EE.UU. Y ALGUNAS PROVINCIAS CANADIENSES NO PERMITEN LA EXCLUSION O LIMITACION DE LOS DAÑOS INCIDENTALES O EMERGENTES, POR LO QUE ES POSIBLE QUE LA LIMITACION O EXCLUSION ANTERIOR NO SEA APLICABLE EN EL CASO DE USTED.

ESTA GARANTIA LIMITADA LE CONFIERE A USTED DERECHOS LEGALES ESPECIFICOS Y ES POSIBLE QUE USTED TAMBIEN TENGA OTROS DERECHOS QUE VARIAN DE ESTADO A ESTADO EN LOS EE.UU., DE PROVINCIA A PROVINCIA EN CANADA Y DE UN PAIS A OTRO.

ESTA GARANTIA LIMITADA SE APLICA SOLAMENTE A HERRAMIENTAS ELECTRICAS PORTATILES Y PARA TABLERO DE BANCO VENDIDAS EN LOS ESTADOS UNIDOS DE AMERICA, CANADA Y EL ESTADO LIBRE ASOCIADO DE PUERTO RICO. PARA COBERTURA DE GARANTIA EN OTROS PAISES, PONGASE EN CONTACTO CON SU DISTRIBUIDOR O IMPORTADOR LOCAL DE BOSCH.

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