

AEG

BKS18BR

Original instructions

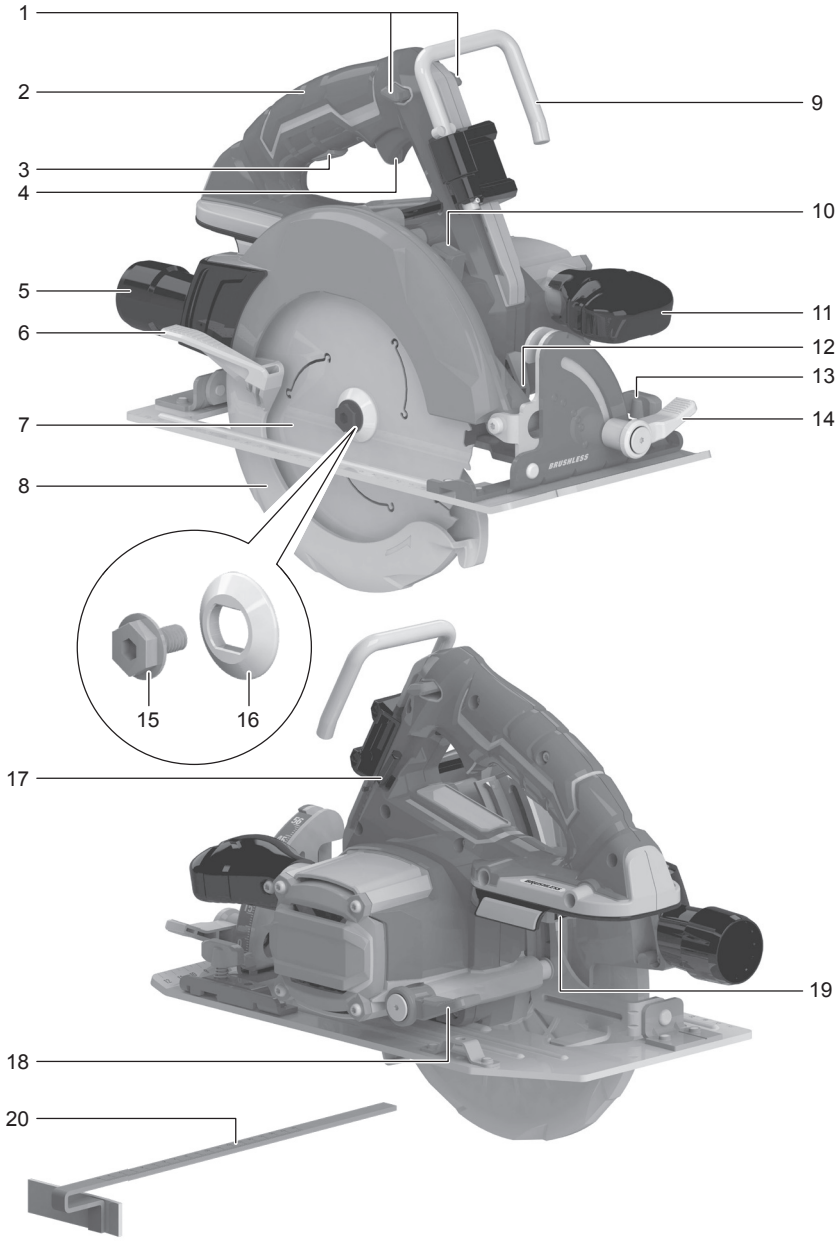
Important!

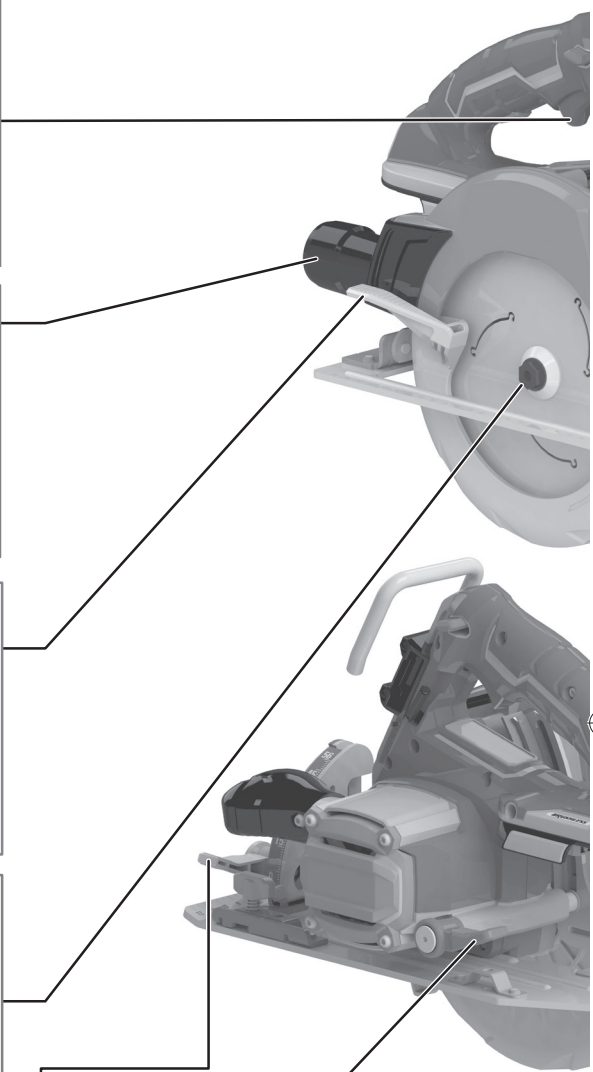
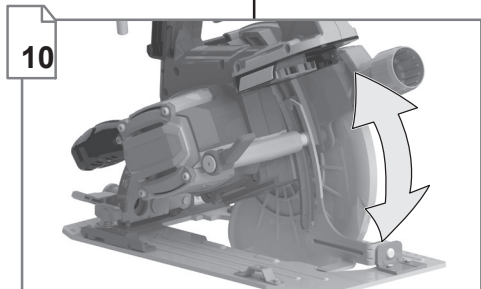
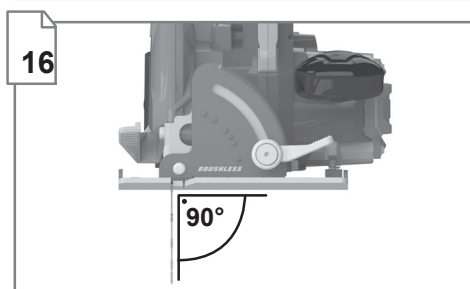
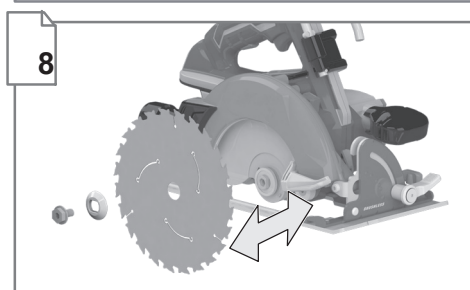
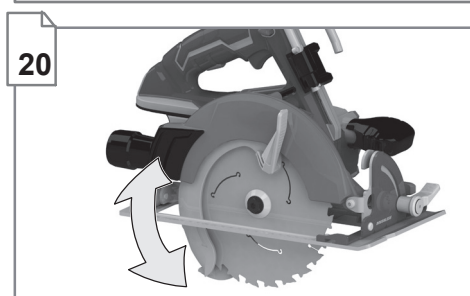
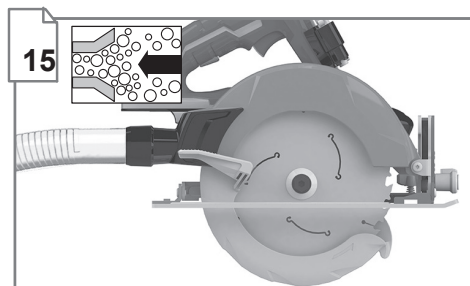
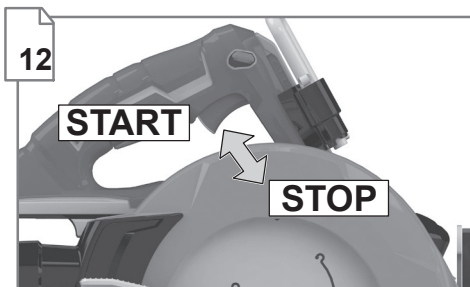
It is essential that you read the instructions in this manual before assembling, operating, and maintaining the product.

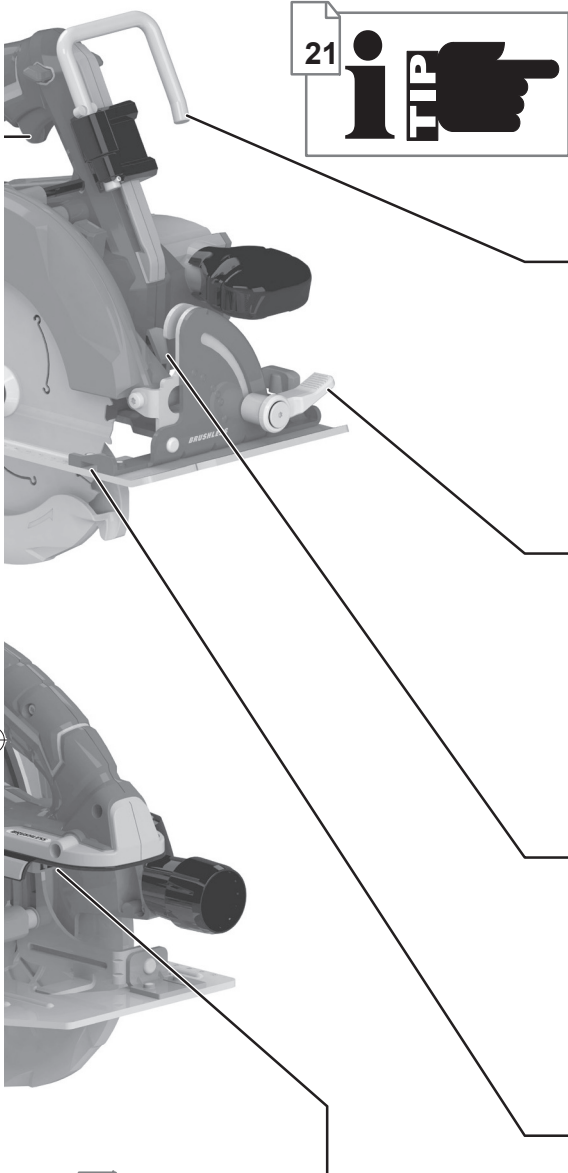
Subject to technical modifications.

1. Lock-off button
2. Handle, insulated gripping surface
3. LED button
4. Switch trigger
5. Dust pipe joint
6. Lower blade guard handle
7. Blade
8. Lower blade guard
9. Rafter hook
10. Spindle lock button

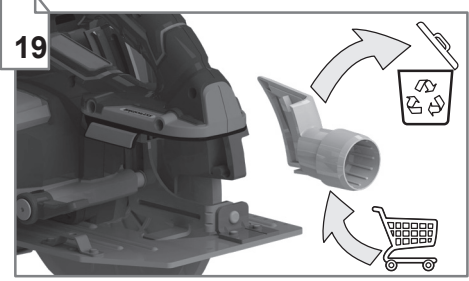
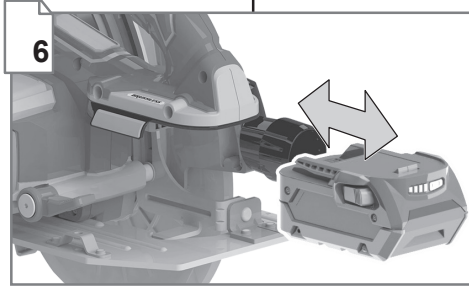
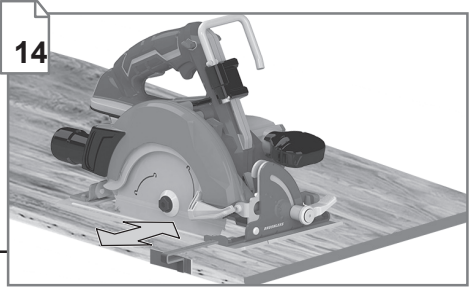
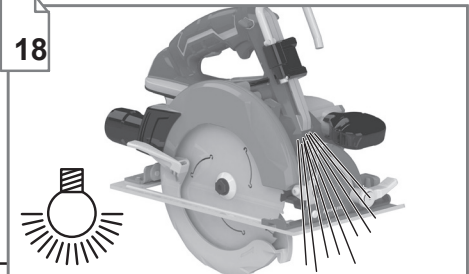
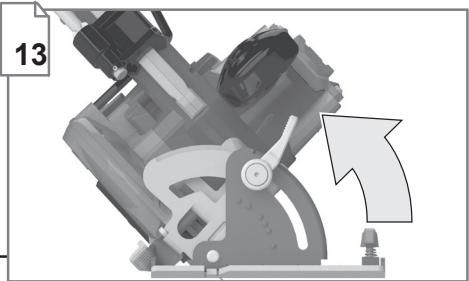
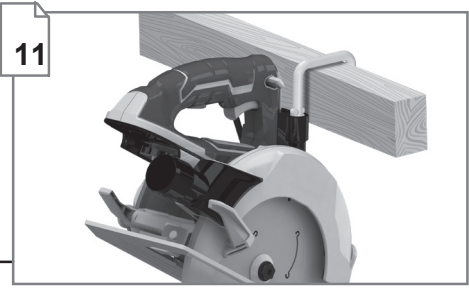
11. Front handle
12. LED light
13. Edge guide knob
14. Bevel adjustment lever
15. Blade screw
16. Outer flange
17. Hex key
18. Depth adjustment lock lever
19. battery port
20. Edge guide fence

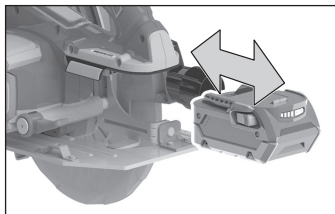




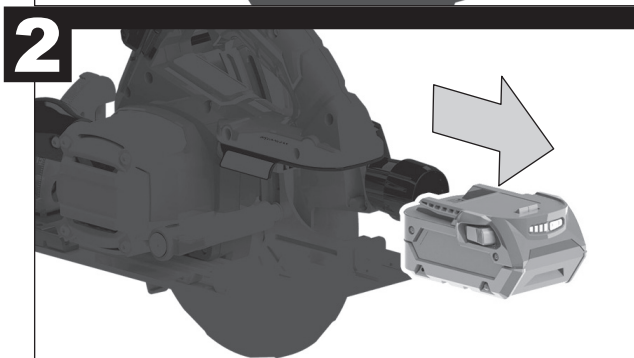
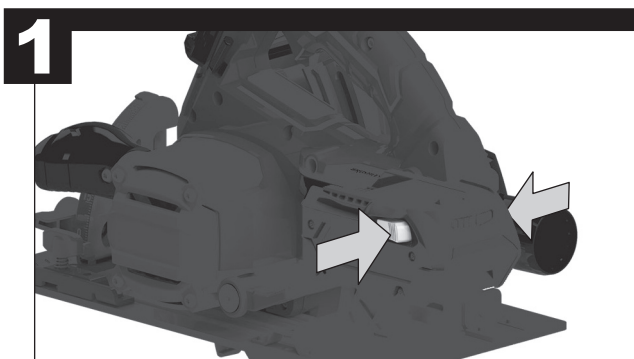
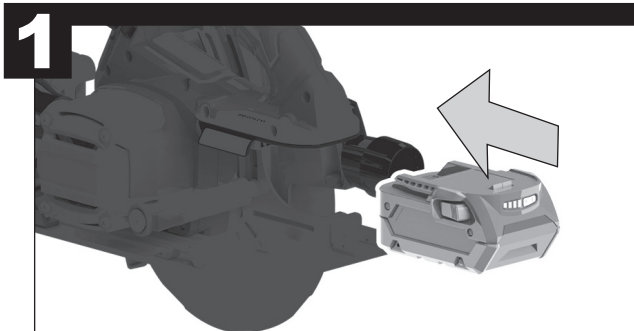


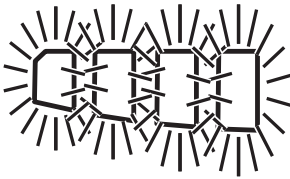
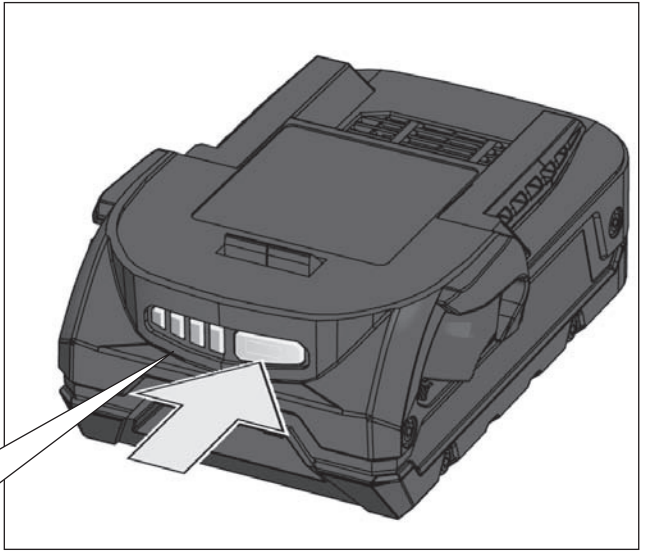
21 **i** TIP 



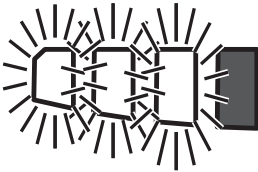


Remove the battery pack before starting any work on the machine.

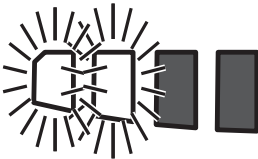




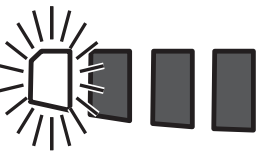
75-100 %



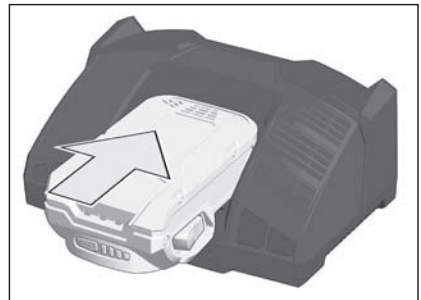
50-75 %

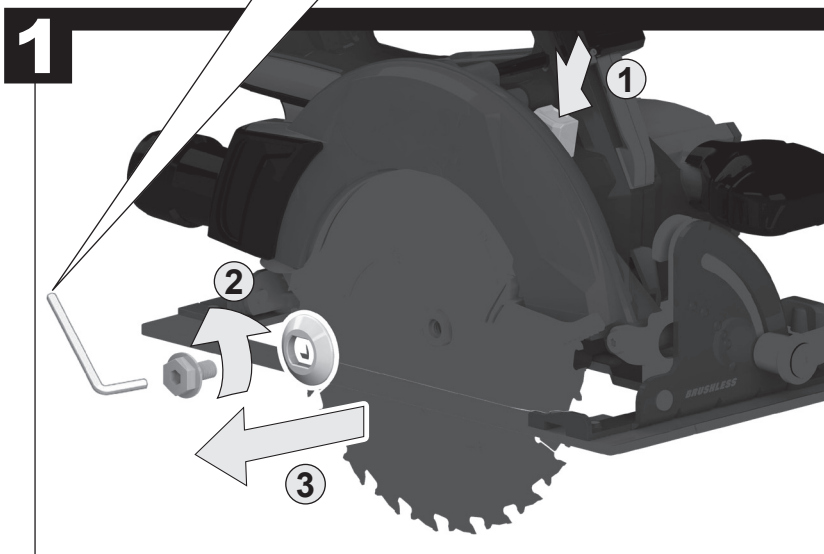
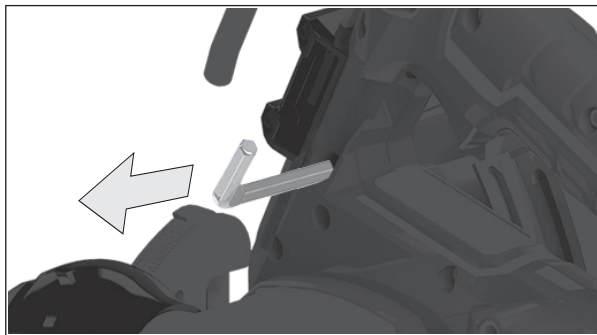
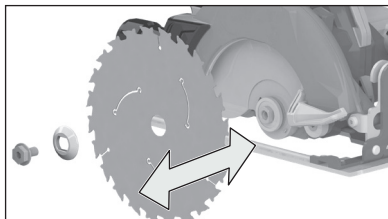


25-50 %

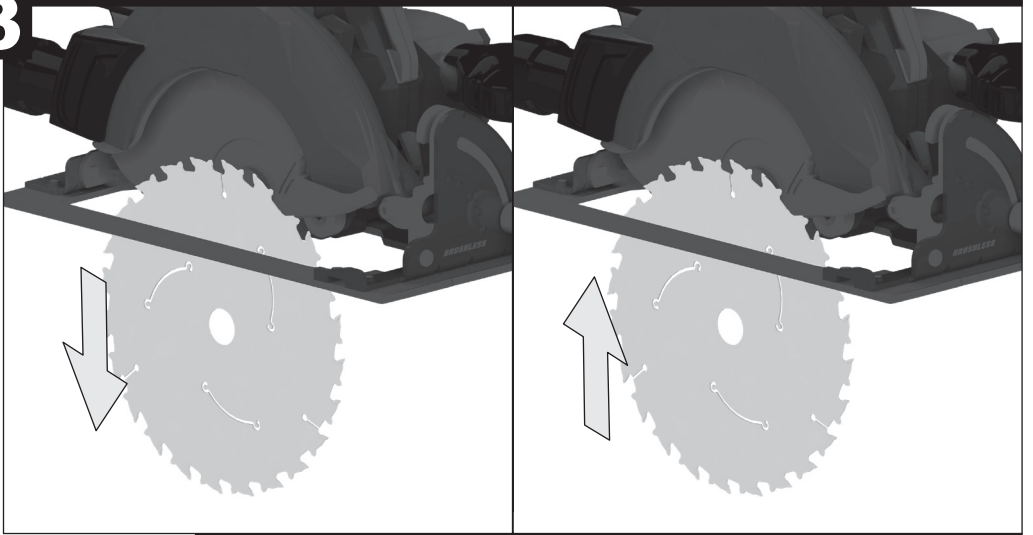


0-25 %

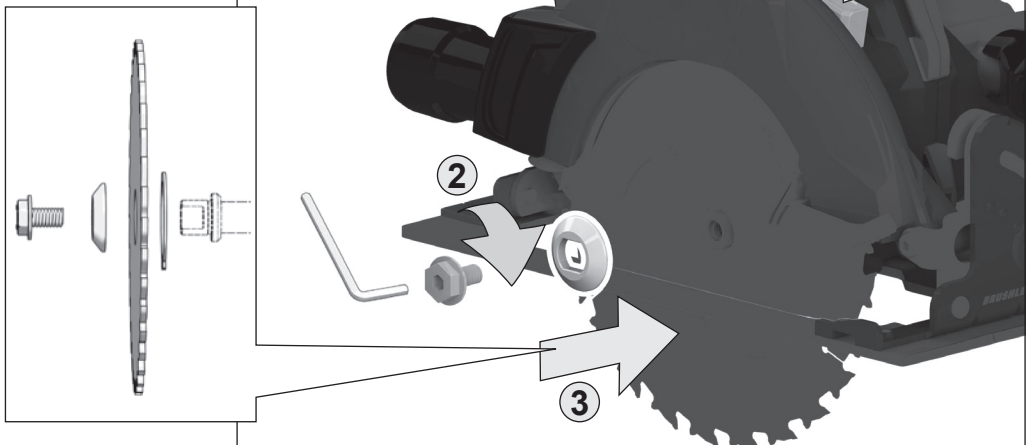


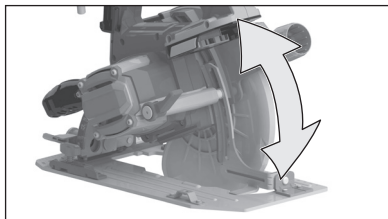


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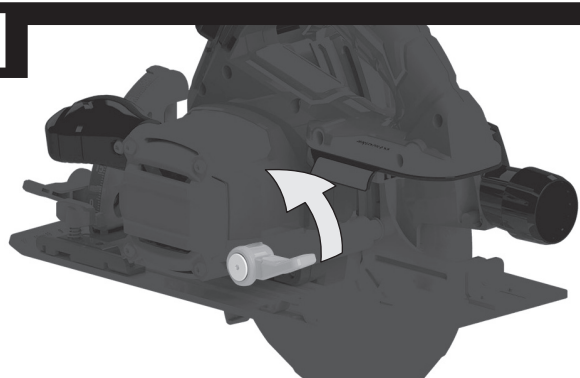


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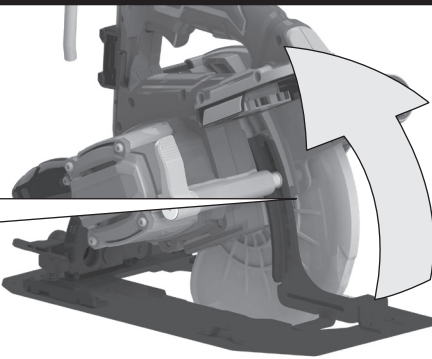


1

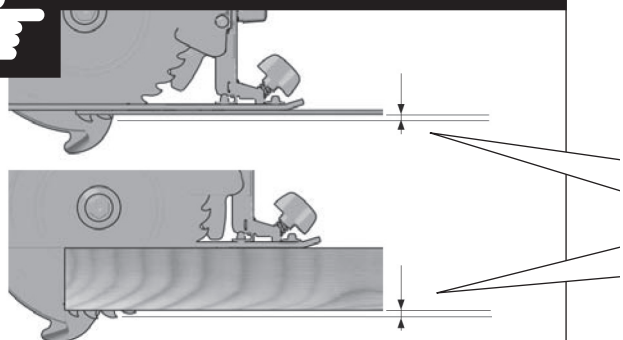
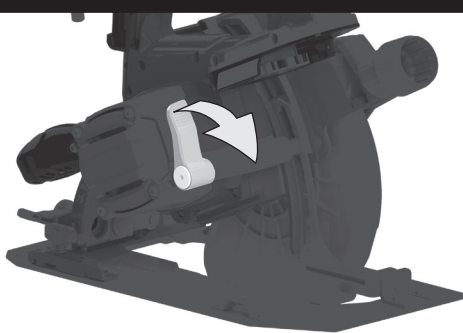


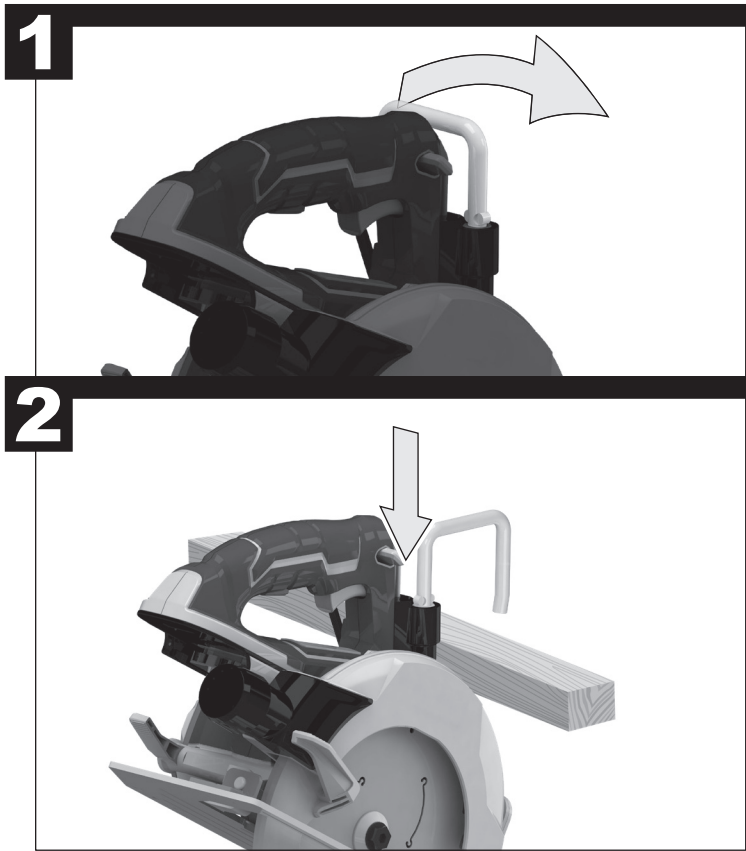
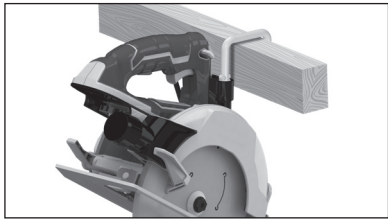
2

0 - 54 mm



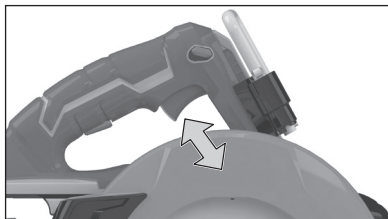
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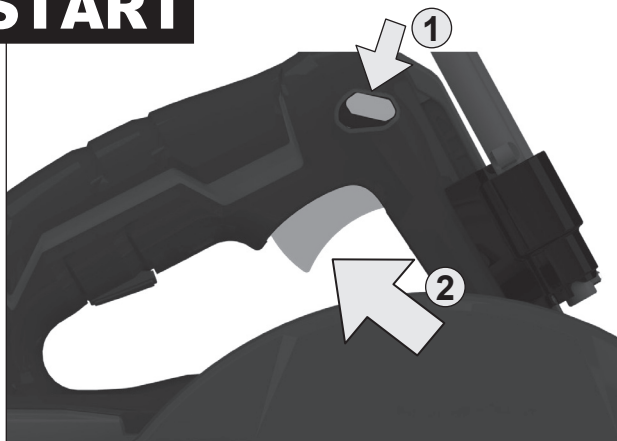
Adjust the cutting depth to the thickness of the workpiece. Less than a full tooth of the blade teeth should be visible below the workpiece. Doing this provides increased cutting efficiencies and longer runtimes.



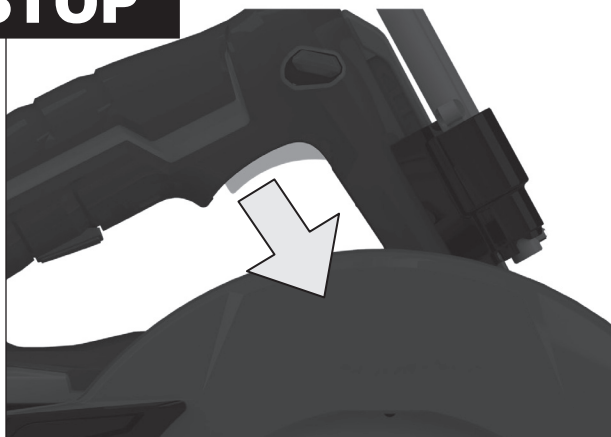


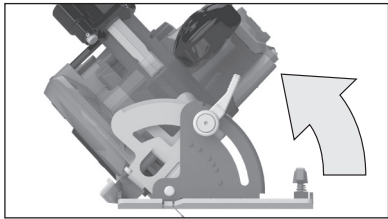
For safety reasons this power tool is fitted with a switch lock and the On-/Off switch cannot be locked in the "On" position.

START

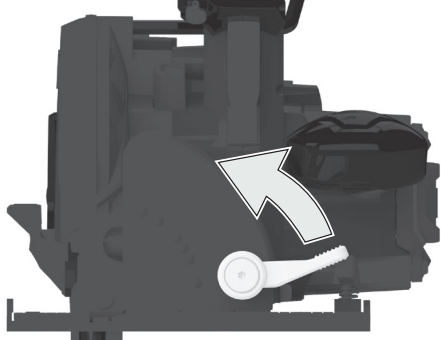


STOP

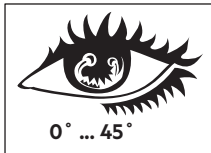
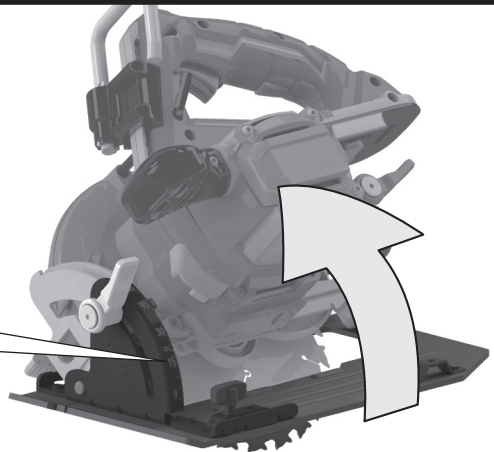




1

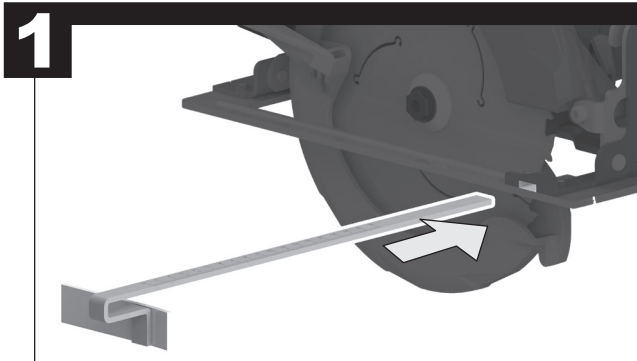
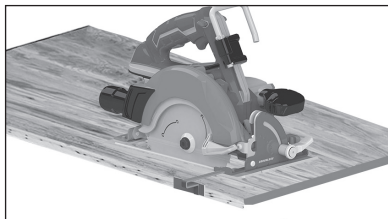


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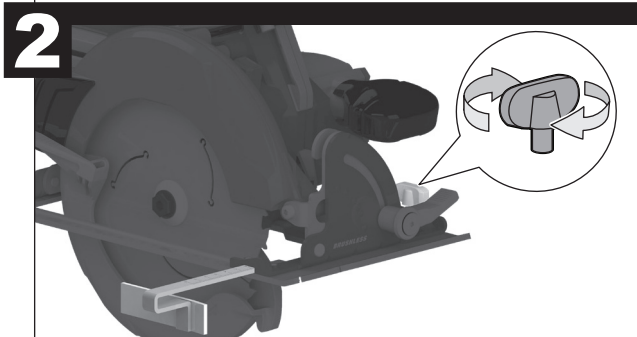


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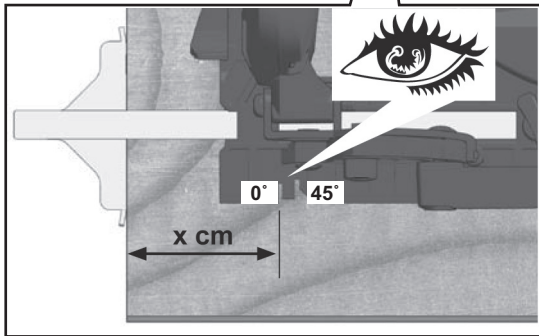
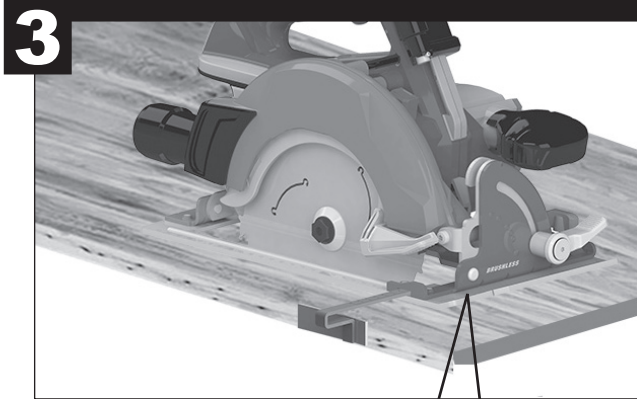


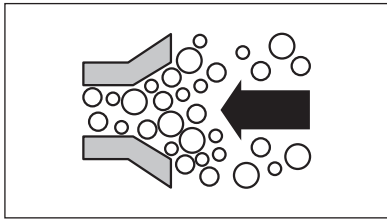


Insert and screw to lock in place.

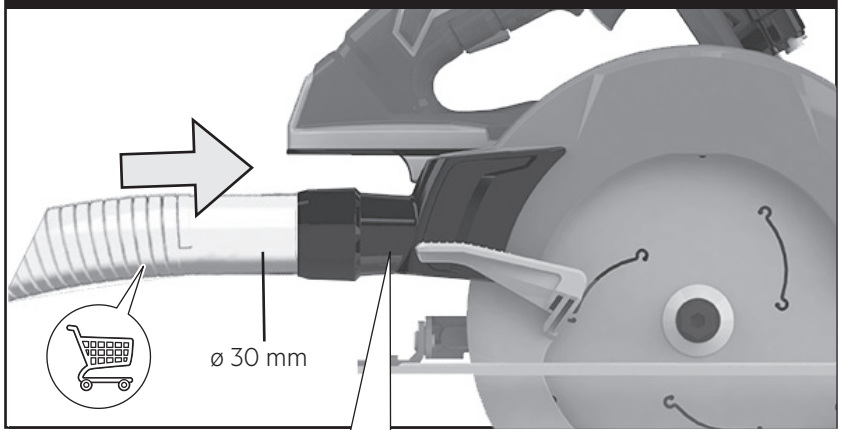


Carry out test cut where possible.

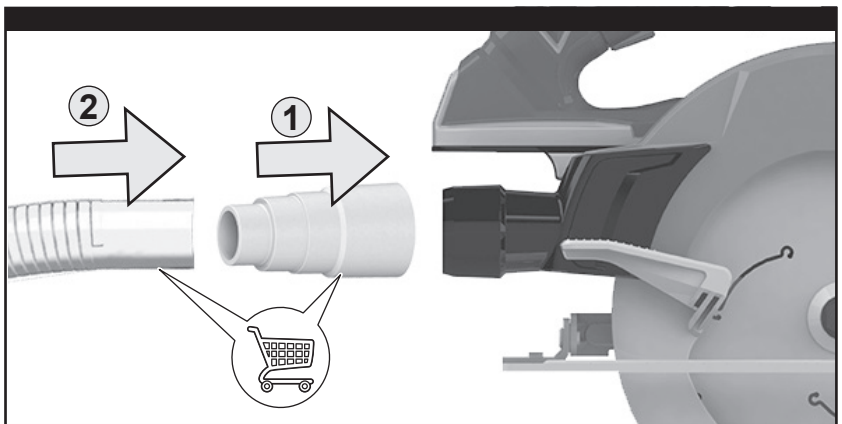




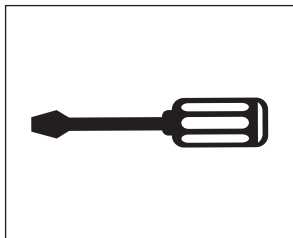
Accessory can be attached to a dust extraction unit.



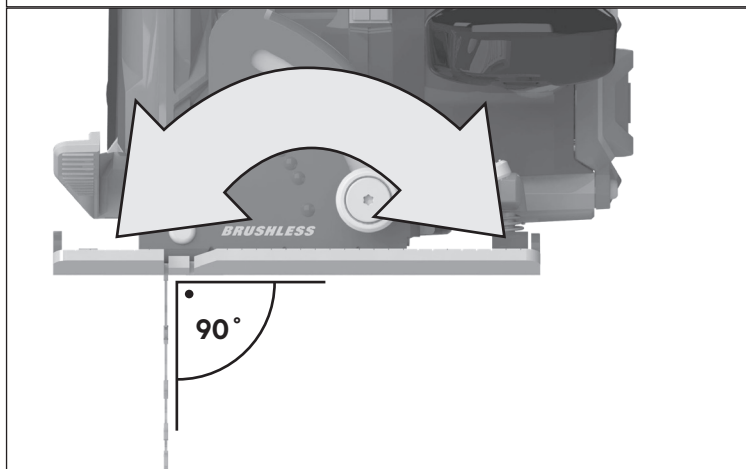
Always connect the dust pipe joint to the circular saw before using.



Always connect the vacuum attachment to a standard vacuum hose.



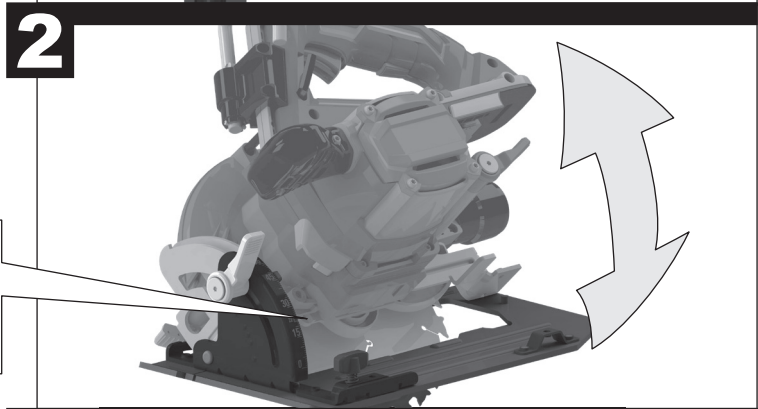
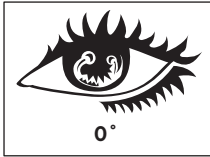
If a correction of the 90° angle of the guide-plate to the saw blade is necessary, use the correction screw.



1



2

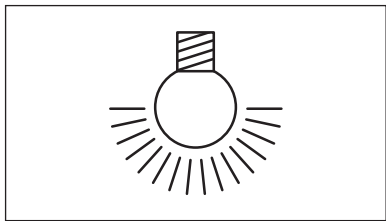


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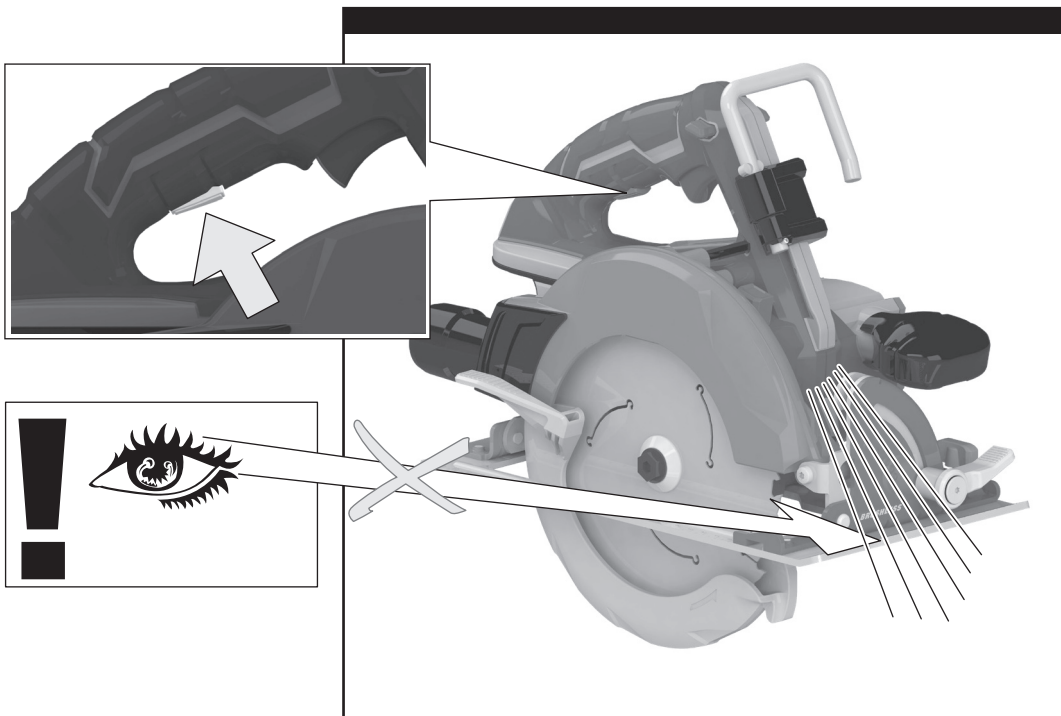
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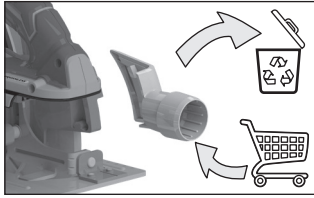




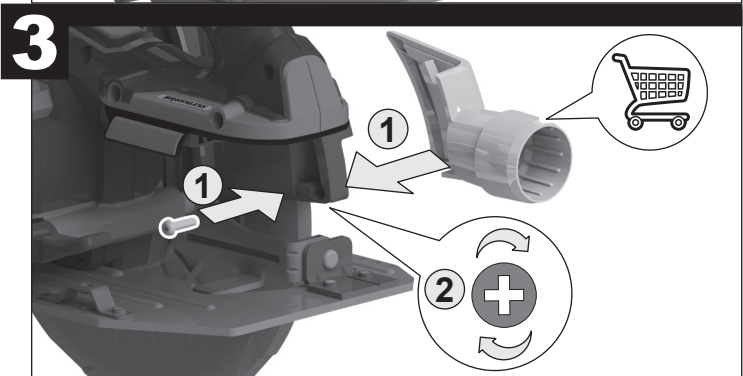
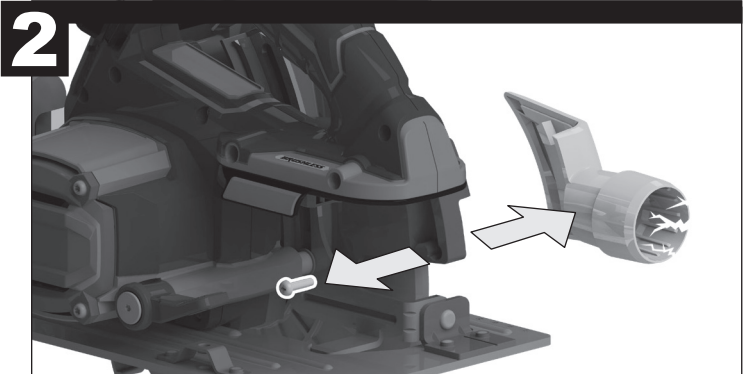
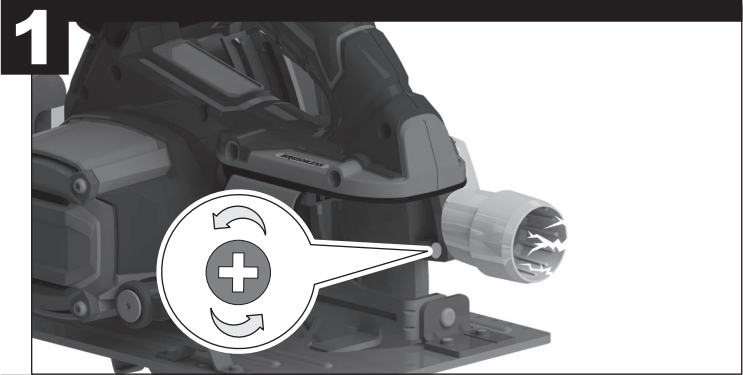
This tool is equipped with LED lights for work piece illumination.

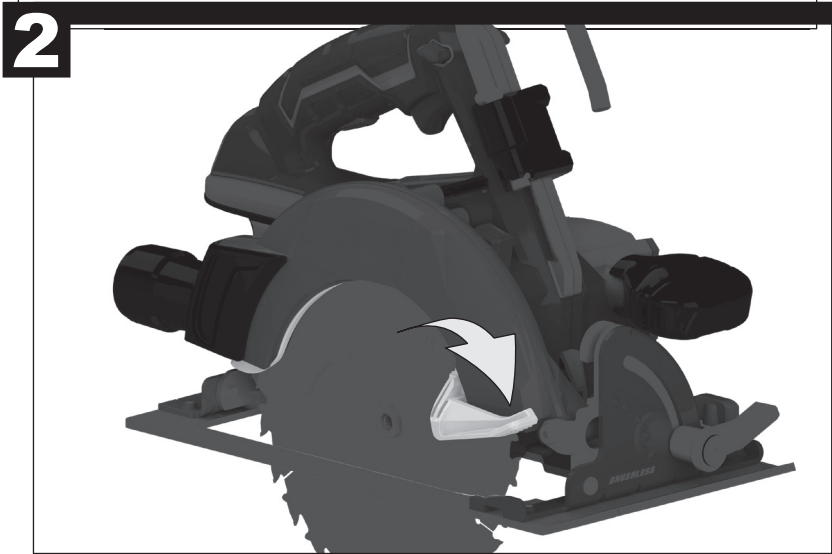
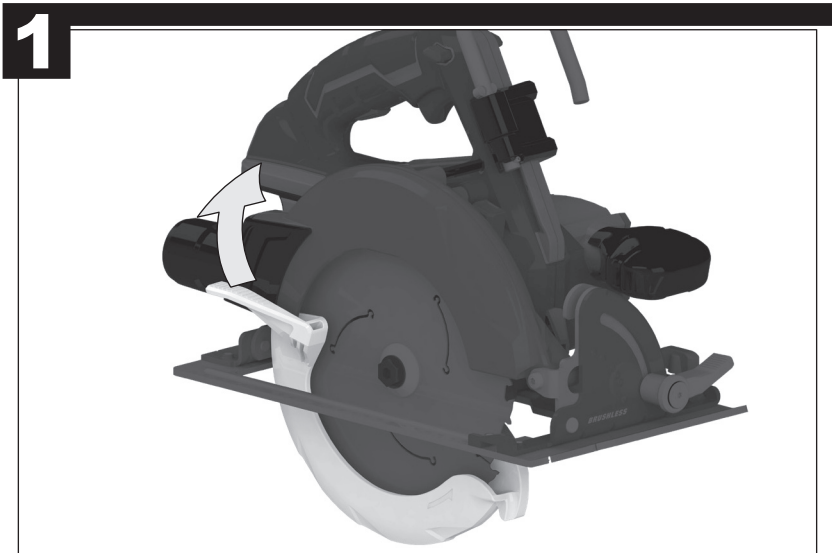
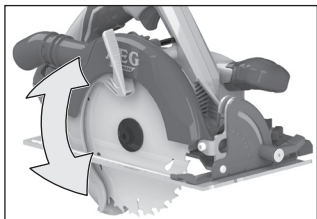
The LED can be activated by either the trigger when the saw is running or by the handle switch without the saw running.

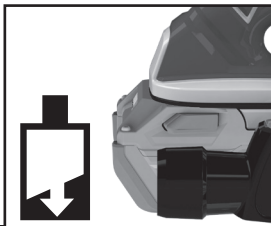
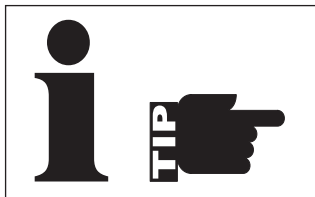




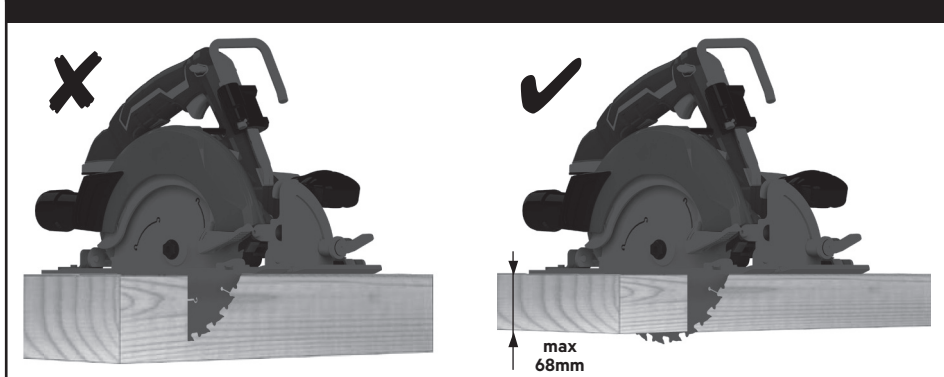
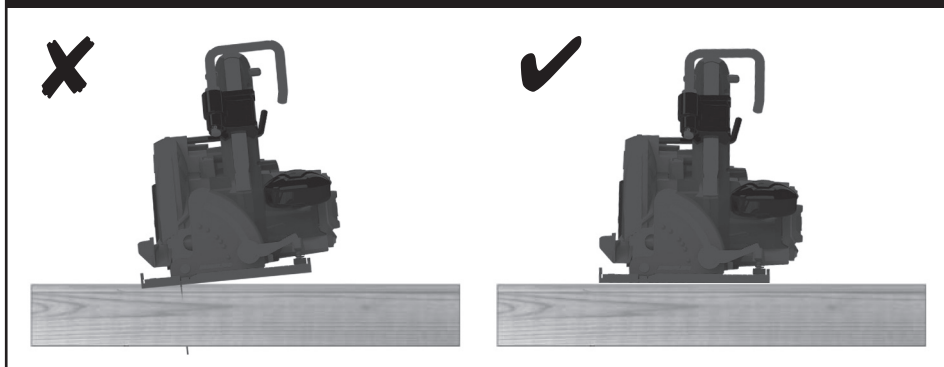
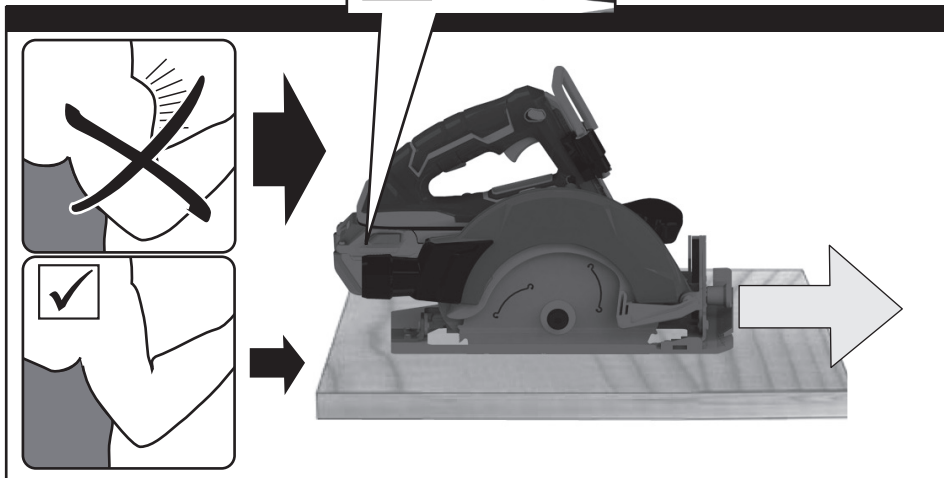
Replace the dust pipe joint if worn or broken before use.

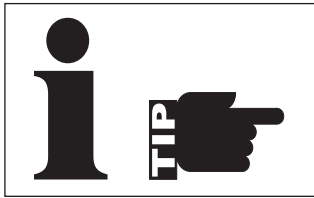




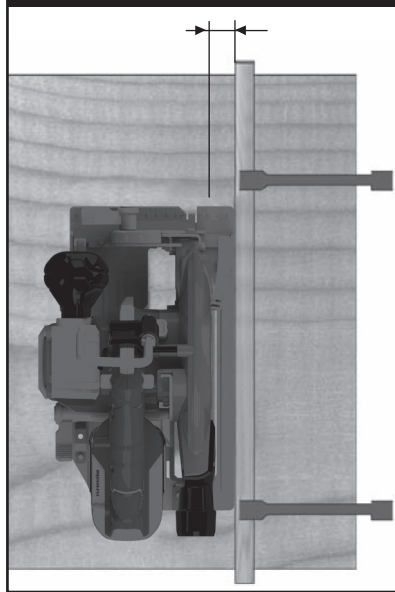
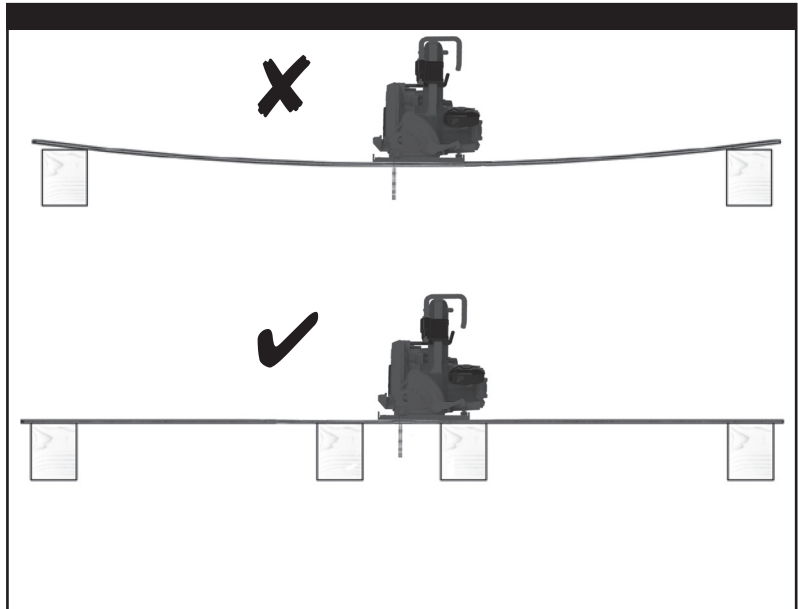


Let the tool do the work.
Pushing this saw will reduce efficiencies.





Always work on a stable, level work piece.



Guide rail sold separately: 4932430067
Guide rail adaptor sold separately: 4931416518



**TECHNICAL DATA****CIRCULAR SAW****BKS18BR**

Rated voltage	18 V ---
No-load speed	5600 min^{-1}
Saw blade dia. x hole dia	184 x 20 mm
Cutting depth at 0°	68 mm
Cutting depth at 45°	47.6 mm
Weight - not including battery pack	4.2 kg
Measured values determined according to EN 62841:	
A-weighted sound pressure level	$L_{PA} = 88.5 \text{ dB(A)}$
Uncertainty K	3 dB(A)
A-weighted sound power level	$L_{WA} = 99.5 \text{ dB(A)}$
Uncertainty K	3 dB(A)
Wear ear protectors.	
The vibration total values (triaxial vector sum) determined according to EN 62841:	
Vibration emission value	$a_h = 1.5 \text{ m/s}^2$
Uncertainty K	1.5 m/s^2

⚠ WARNING

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure. The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

BATTERY AND CHARGER

Compatible battery pack (not included)	Compatible charger (not included)
L1815R	
L1820R	AL18G
L1825R	AL1218G
L1830R-X5	BL1218
L1840R	BLK1218
L1850R	BL18DP-X5
L1860R	BL18DP2-X5
L1860R-X5	BL18DPS
L1890R	

Use AEG 18V battery and charger only

⚠ WARNING!

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.**

CIRCULAR SAW SAFETY WARNINGS**CUTTING PROCEDURES**

⚠ Danger: Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.

Do not reach underneath the workpiece. The guard cannot protect you from the blade below the workpiece.

Adjust the cutting depth to the thickness of the workpiece. Less than a full tooth of the blade teeth should be visible below the workpiece.

Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece to a stable platform. It is important to support the work properly to minimize body exposure, blade binding, or loss of control.

Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will also make exposed metal parts of the power tool "live" and could give the operator an electric shock.

When ripping, always use a rip fence or straight edge guide. This improves the accuracy of cut and reduces the chance of blade binding.

Always use blades with correct size and shape (diamond versus round) of arbour holes. Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.

Never use damaged or incorrect blade washers or bolt. The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

KICKBACK CAUSES AND RELATED WARNINGS

- kickback is a sudden reaction to a pinched, jammed or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;
- when the blade is pinched or jammed tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;
- if the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either





side of the blade, but not in line with the blade.

Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.

When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur. Investigate and take corrective actions to eliminate the cause of blade binding.

When restarting a saw in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged into the material. If a saw blade binds, it may walk up or kickback from the workpiece as the saw is restarted.

Support large panels to minimise the risk of blade pinching and kickback. Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.

Do not use dull or damaged blades. Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.

Blade depth and bevel adjusting locking levers must be tight and secure before making cut. If blade adjustment shifts while cutting, it may cause binding and kickback.

Use extra caution when sawing into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

LOWER GUARD FUNCTION

Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position. If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.

Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use. Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.

The lower guard may be retracted manually only for special cuts such as “plunge cuts” and “compound cuts”. Raise the lower guard by the retracting handle and as soon as the blade enters the material, the lower guard must be released. For all other sawing, the lower guard should operate automatically.

Always observe that the lower guard is covering the blade before placing saw down on bench or floor. An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

ADDITIONAL SAFETY AND WORKING INSTRUCTIONS

Wear ear protectors. Exposure to noise can cause hearing loss. Always wear goggles when using the machine. It is recommended to wear gloves, sturdy non slipping shoes and apron.

The dust produced when using this tool may be harmful to health. Do not inhale the dust.

Do not use saw blades not corresponding to the key data given in these instructions for use.

Use only blade diameter(s) in accordance with the markings.

Do not use any abrasive wheels.

Identify the correct saw blade to be used for the material to be cut.

Use only saw blades that are marked with a speed equal or higher than the speed marked on the tool.

Use only saw blades recommended by the manufacturer, which conform to EN 847-1, if intended for wood and analogous materials.

Avoid overheating the blade tips and melting the plastic.

Wear a dust mask.

Do not fix the on/off switch in the “on” position when using the saw hand-held.

Manually retract the lower guard by

Raise the lower guard by the retracting handle and ensure that the lower guard returns to the original position. If the lower guard does not function properly. Stop using the product and have it repaired.

Ambient temperature range for tool during operation is between 0°C and 40°C.

Ambient temperature range for tool storage is between 0°C and 40°C.

The recommended ambient temperature range for the charging system during charging is between 10°C and 38°C.

RESIDUAL RISKS

Even when the product is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise and the operator should pay special attention to avoid the following:

- Injury caused by kickback
 - Read and understand the information in this manual.
- Injury caused by dust
 - Dust may enter the eyes or respiratory system. Wear eye protection at all times. Wear appropriate dust control mask with filters suitable for protecting against particles from the material being cut. Do not eat, drink, or smoke in the work area. Ensure adequate ventilation.
- Injury caused by electric shock
 - The blade may contact hidden wiring, causing parts of the product to become live. Always hold the product by the designated handles and take care when blind-cutting into walls and floors where cables may be hidden.
- Injury caused by contact with the blade
 - The blades are very sharp and will become hot during use. Wear gloves when changing blades. Keep hands away from the cutting area at all times. Never hold workpiece being cut in your hands or across your leg. Clamp the workpiece whenever possible.
- Injury caused by vibration
 - Limit exposure. See Risk Reduction.

RISK REDUCTION

It has been reported that vibrations from handheld tools may contribute to a condition called Raynaud’s Syndrome in certain individuals. Symptoms may include tingling, numbness and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms. There are measures that can be taken by the operator to possibly reduce the effects of vibration:

- Keep your body warm in cold weather. When operating the unit wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Raynaud’s Syndrome.
- After each period of operation, exercise to increase blood circulation.
- Take frequent work breaks. Limit the amount of exposure per day. If you experience any of the symptoms of this condition, immediately discontinue use and see your doctor about these symptoms.

⚠ WARNING!

Injuries may be caused or aggravated by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

ADDITIONAL BATTERY SAFETY WARNINGS





⚠ WARNING! To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.

Ambient temperature range for battery during use is between 0°C and 40°C.

Ambient temperature range for battery storage is between 0°C and 20°C.

SPECIFIED CONDITIONS OF USE

The product is designed for rip- and cross-cutting of wood or similar materials up to a maximum depth of 68 mm. The product can make straight or bevelled cuts between 0 and 56 degrees. The product is to be used with the base of the tool in contact with the workpiece. It should only be used in a dry, well lit and well ventilated area.

The product is designed for handheld use. The product is not to be mounted onto a workbench unless specific instructions about how to do this are given by the manufacturer of the saw. Do not use for cutting metal or masonry.

Do not use the product for any other purpose. Use of the product for operations different from intended could result in a hazardous situation.

BATTERIES

Battery packs which have not been used for some time should be recharged before use.

Temperatures in excess of 50°C (122°F) reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine (risk of overheating).

The contacts of chargers and battery packs must be kept clean.

For an optimum life-time, the battery packs have to be fully charged, after used.

To obtain the longest possible battery life remove the battery pack from the charger once it is fully charged.

For battery pack storage longer than 30 days:

- Store the battery pack where the temperature is below 27°C and away from moisture.
- Store the battery packs in a 30% - 50% charged condition.
- Every six months of storage, charge the pack as normal.

TRANSPORTING LITHIUM BATTERIES

Lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.

Transportation of those batteries has to be done in accordance with local, national and international provisions and regulations.

- The user can transport the batteries by road without further requirements.
- Commercial transport of Lithium-Ion batteries by third parties is subject to Dangerous Goods regulations. Transport preparation and transport are exclusively to be carried out by appropriately trained persons and the process has to be accompanied by corresponding experts.

When transporting batteries:

- Ensure that battery contact terminals are protected and insulated to prevent short circuit.
- Ensure that battery pack is secured against movement within packaging.
- Do not transport batteries that are cracked or leak.

Check with forwarding company for further advice

BATTERY PACK PROTECTION LI-ION BATTERY

The battery pack has overload protection that protects it from being

overloaded and helps to ensure long life. Under extreme stress the battery electronics switch off the machine automatically. To restart, switch the machine off and then on again. If the machine does not start up again, the battery pack may have discharged completely. In this case it must be recharged in the battery charger.

MAINTENANCE

Clean the product and guarding system with clean cloths or brushes. The ventilation slots of the machine must be kept clear at all times.

Use only AEG accessories and AEG spare parts. Should components need to be replaced which have not been described, please contact one of our AEG service agents (see our list of guarantee/service addresses).

If needed, an exploded view of the tool can be ordered. Please state the Article No. as well as the machine type printed on the label and order the drawing at your local service agents or directly at:

Techtronic Industries Australia Pty Ltd

PO Box 1065
Mount Waverley VIC 3149
Tel. no. 1300 234 797
Australia

Techtronic Industries N.Z. Limited

PO Box 12-806
Penrose AUCKLAND 1642
Tel. no. 0800 234 797(0800 AEGPWR)
New Zealand

SYMBOLS



Safety alert



Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements.



Please read the instructions carefully before starting the machine.



Always wear goggles when using the machine.



Remove the battery pack before starting any work on the machine.



Accessory - Not included in standard equipment, available as an accessory.



Do not dispose of electric tools together with household waste material! In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.







AEG

www.aegpowertools.com.au
www.aegpowertools.co.nz

Techtronic Industries Australia Pty Ltd

31 Gilby Road, Mount Waverley,
VIC, 3149, Australia

Techtronic Industries N.Z. Limited

Unit C, 70 Business Parade South,
Highbrook, Auckland 2013, New Zealand

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