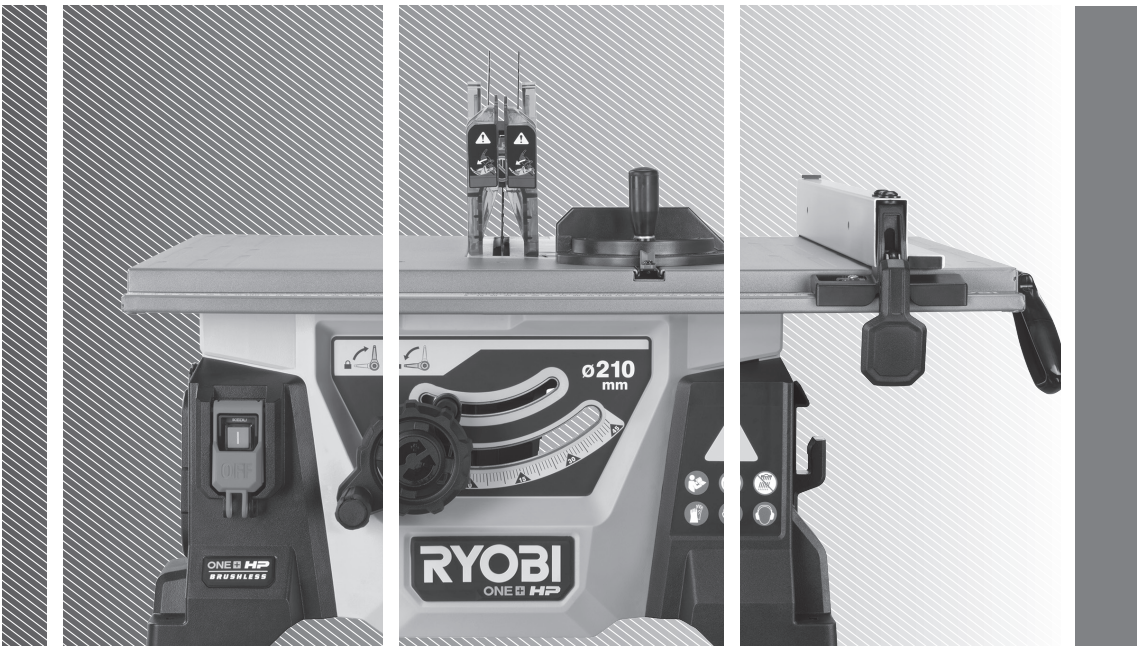
RYOBI



RTBS18X

IMPORTANT!

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

Subject to technical modifications.

Safety, performance, and dependability have been given top priority in the design of your table saw.

INTENDED USE

The table saw is designed to be operated by one person for the purpose of rip and cross cutting wood, up to a maximum depth of 57.2 mm at 0° bevel angle. At the maximum 45° bevel angle the maximum depth of cut is 44.5 mm. The table saw is designed and intended to be fixed to a stable surface. Hard and soft wood plus particle and fibre boards may be cut.

Only blade and riving knife combinations supplied by the manufacturer for this table saw may be used.

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.

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.

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 residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

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.
- **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.
- **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 energising power tools that have the switch on invites accidents.
- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **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.
- **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.

POWER TOOL USE AND CARE

- **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.
- **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.
- **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 power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **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.

- **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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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.
- **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.

BATTERY TOOL USE AND CARE

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- **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.
- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130°C may cause explosion.
- **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.

SERVICE

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

SAFETY INSTRUCTIONS FOR TABLE SAWS

GUARDING RELATED WARNINGS

- **Keep guards in place. Guards must be in working order and be properly mounted.** A guard that is loose, damaged, or is not functioning correctly must be repaired or replaced.
- **Always use saw blade guard, riving knife and anti-kickback pawls for every through–cutting operation.** For through-cutting operations where the saw blade cuts completely through the thickness of the workpiece, the guard and other safety devices help reduce the risk of injury.
- **After completing a non-through cut such as rabbeting, resawing, or dadoing, restore the riving knife to the extended-up position. With the riving knife in the extended-up position, reattach the blade guard and the anti-kickback pawls.** The guard, riving knife, and anti-kickback pawls help to reduce the risk of injury.
- **Make sure the saw blade is not contacting the guard, riving knife or the workpiece before the switch is turned on.** Inadvertent contact of these items with the saw blade could cause a hazardous condition.
- **Adjust the riving knife as described in this instruction manual.** Incorrect spacing, positioning and alignment can make the riving knife ineffective in reducing the likelihood of kickback.
- **For the riving knife and anti-kickback pawls to work, they must be engaged in the workpiece.** The riving knife and anti-kickback pawls are ineffective when cutting workpieces that are too short to be engaged with the riving knife and anti-kickback pawls. Under these conditions a kickback cannot be prevented by the riving knife and anti-kickback pawls.
- **Use the appropriate saw blade for the riving knife.** For the riving knife to function properly, the saw blade diameter must match the appropriate riving knife and the body of the saw blade must be thinner than the thickness of the riving knife and the cutting width of the saw blade must be wider than the thickness of the riving knife.

CUTTING PROCEDURES WARNINGS

- ⚠ **DANGER! Never place your fingers or hands in the vicinity or in line with the saw blade.** A moment of inattention or a slip could direct your hand towards the saw blade and result in serious personal injury.
- **Feed the workpiece into the saw blade only against the direction of rotation.** Feeding the workpiece in the same direction that the saw blade is rotating above the table may result in the workpiece, and your hand, being pulled into the saw blade.
- **Never use the mitre gauge to feed the workpiece when ripping and do not use the rip fence as a length stop when cross cutting with the mitre gauge.** Guiding the workpiece with the rip fence and the mitre gauge at the same time increases the likelihood of saw blade binding and kickback.
- **When ripping, always apply the workpiece feeding force between the fence and the saw blade. Use a push stick when the distance between the fence and the saw blade is less than 150 mm, and use a push**

block when this distance is less than 50 mm. "Work helping" devices will keep your hand at a safe distance from the saw blade.

- **Use only the push stick provided by the manufacturer or constructed in accordance with the instructions.** This push stick provides sufficient distance of the hand from the saw blade.
- **Never use a damaged or cut push stick.** A damaged push stick may break causing your hand to slip into the saw blade.
- **Do not perform any operation "freehand". Always use either the rip fence or the mitre gauge to position and guide the workpiece.** "Freehand" means using your hands to support or guide the workpiece, in lieu of a rip fence or mitre gauge. Freehand sawing leads to misalignment, binding and kickback.
- **Never reach around or over a rotating saw blade.** Reaching for a workpiece may lead to accidental contact with the moving saw blade.
- **Provide auxiliary workpiece support to the rear and/or sides of the saw table for long and/or wide workpieces to keep them level.** A long and/or wide workpiece has a tendency to pivot on the table's edge, causing loss of control, saw blade binding and kickback.
- **Feed workpiece at an even pace. Do not bend or twist the workpiece. If jamming occurs, turn the product off immediately, unplug the product then clear the jam.** Jamming the saw blade by the workpiece can cause kickback or stall the motor.
- **Do not remove pieces of cut-off material while the saw is running.** The material may become trapped between the fence or inside the saw blade guard and the saw blade pulling your fingers into the saw blade. Turn the saw off and wait until the saw blade stops before removing material.
- **Use an auxiliary fence in contact with the table top when ripping workpieces less than 2 mm thick.** A thin workpiece may wedge under the rip fence and create a kickback.

KICKBACK CAUSES AND RELATED WARNINGS

Kickback is a sudden reaction of the workpiece due to a pinched, jammed saw blade or misaligned line of cut in the workpiece with respect to the saw blade or when a part of the workpiece binds between the saw blade and the rip fence or other fixed object.

Most frequently during kickback, the workpiece is lifted from the table by the rear portion of the saw blade and is propelled towards 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.

- **Never stand directly in line with the saw blade. Always position your body on the same side of the saw blade as the fence.** Kickback may propel the workpiece at high velocity towards anyone standing in front and in line with the saw blade.
- **Never reach over or in back of the saw blade to pull or to support the workpiece.** Accidental contact with the saw blade may occur or kickback may drag your fingers into the saw blade.
- **Never hold and press the workpiece that is being cut off against the rotating saw blade.** Pressing the workpiece being cut off against the saw blade will create a binding condition and kickback.
- **Align the fence to be parallel with the saw blade.** A misaligned fence will pinch the workpiece against the saw blade and create kickback.
- **Use a featherboard to guide the workpiece against the table and fence when making non-through cuts such as rebating, dadoing or resawing cuts.** A featherboard helps to control the workpiece in the event of a kickback.
- **Use extra caution when making a cut into blind areas of assembled workpieces.** The protruding saw blade may cut objects that can cause kickback.
- **Support large panels to minimise the risk of saw blade pinching and kickback.** Large panels tend to sag under their own weight. Support(s) must be placed under all portions of the panel overhanging the table top.
- **Use extra caution when cutting a workpiece that is twisted, knotted, warped or does not have a straight edge to guide it with a mitre gauge or along the fence.** A warped, knotted, or twisted workpiece is unstable and causes misalignment of the kerf with the saw blade, binding and kickback.
- **Never cut more than one workpiece, stacked vertically or horizontally.** The saw blade could pick up one or more pieces and cause kickback.
- **When restarting the saw with the saw blade in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged in the material.** If the saw blade binds, it may lift up the workpiece and cause kickback when the saw is restarted.
- **Keep saw blades clean, sharp, and with sufficient set. Never use warped saw blades or saw blades with cracked or broken teeth.** Sharp and properly set saw blades minimise binding, stalling and kickback.

TABLE SAW OPERATING PROCEDURE WARNINGS

- **Turn off the table saw and disconnect the battery pack when removing the table insert, changing the saw blade or making adjustments to the riving knife, anti-kickback pawls or saw blade guard, and when the machine is left unattended.** Precautionary measures will avoid accidents.
- **Never leave the table saw running unattended. Turn it off and don't leave the product until it comes to a complete stop.** An unattended running saw is an uncontrolled hazard.
- **Locate the table saw in a well-lit and level area where you can maintain good footing and balance. It should be installed in an area that provides enough room to easily handle the size of your workpiece.** Cramped, dark areas, and uneven slippery floors invite accidents.
- **Frequently clean and remove sawdust from under the saw table and/or the dust collection device.** Accumulated sawdust is combustible and may self-ignite.
- **The table saw must be secured.** A table saw that is not properly secured may move or tip over.

- **Remove tools, wood scraps, etc. from the table before the table saw is turned on.** Distraction or a potential jam can be dangerous.
- **Always use saw blades with correct size and shape (diamond versus round) of arbour holes.** Saw blades that do not match the mounting hardware of the saw will run off-centre, causing loss of control.
- **Never use damaged or incorrect saw blade mounting means such as flanges, saw blade washers, bolts or nuts.** These mounting means were specially designed for your saw, for safe operation and optimum performance.
- **Never stand on the table saw, do not use it as a stepping stool.** Serious injury could occur if the product is tipped or if the cutting tool is accidentally contacted.
- **Make sure that the saw blade is installed to rotate in the proper direction. Do not use grinding wheels, wire brushes, or abrasive wheels on a table saw.** Improper saw blade installation or use of accessories not recommended may cause serious injury.

RIP FENCE USE

⚠ **WARNING!** To reduce the risk of injury, always make sure the rip fence is parallel to the blade before beginning any operation.

- Loosen the rip fence by lifting the locking lever.
- Place the rear lip on the rear of the saw table and pull slightly toward the front of the unit.
- Lower the front end of the rip fence onto the guide surfaces on top of the front rail.
- Check for smooth gliding action.
- Position the rip fence the desired distance from the blade.
- With the rip fence flat on the saw table, push the fence towards the front rail to align the fence to the blade.

⚠ **WARNING!** Lock the fence at the intended cut size first then move the work piece up to the fence. Do not place the work piece first then move your fence up to it to lock the fence. This may result in a misaligned fence which could pinch the workpiece against the saw blade and create kickback.

- Push the locking lever down to align and secure the fence. When securely locked, the locking lever should point downward.

NOTE: Ensure the locking lever secures the rip fence in place.

NOTE: If the rip fence is not parallel to the blade, adjustments are needed.

ADDITIONAL SAFETY WARNINGS FOR TABLE SAWS

- 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.

SPECIFIC SAFETY INSTRUCTIONS FOR WOOD CUTTING BLADE

- Please read the manual and instructions carefully before using the saw blade and the power tool.
- The power tool must be in good condition, the spindle without deformation and vibration.
- Ensure the operator is adequately trained in safety precautions, adjustment and operation of the power tool.
- Always wear goggles and ear protection when using the power tool. It is recommended to wear gloves, sturdy non slipping shoes and apron.
- Before using any accessory, consult the instruction manual. The improper use of an accessory can cause damage and increase the potential for injury.
- Keep the blade clean. This includes saw dust and particularly sticky substances like wood resin. A clean blade cuts more accurately and safely.
- Use only blades specified in this manual, complying with EN 847-1.
- Observe the maximum speed marked on the saw blade. Ensure the speed marked on the saw blade is at least equal to the speed marked on the saw.
- Always use blades with correct size and shape of arbor holes. Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
- Do not use saw blades with a body thickness greater or a width of the groove cut (kerf) smaller than the thickness of the riving knife.
- Do not use blades of larger or smaller diameter than recommended. Do not use any loose washers or spacers to make the blade fit onto the spindle.
- Check the tips of the saw blade for damage or abnormal appearance before each use. Tips that are damaged or loose can become flying objects in use and increase the risk of personal injury.
- Do not use cracked or distorted saw blades. Do not use saw blades that are damaged or deformed.
- Scrap the saw blade if damaged, deformed, distorted or cracked, repairing is not permitted.
- Do not use HSS blades.
- Ensure the saw blade is mounted correctly, tighten the arbor nut securely before use.
- Fastening screw and nuts shall be tightened using the appropriate spanner, etc.
- Using an extension on the spanner or tightening using hammer blows is not permitted.
- Make sure the blade and flanges are clean and the recessed sides of the collar are against the blade.
- Make sure the blade rotates in the correct direction and does not contact any part of the machine or guarding system.
- Before work, make a dummy cut without the motor turned on so the position of the blade, operation of the guards with respect to other product parts and work piece may be checked.
- Never leave the power tool unattended.
- Do not apply lubricants on the blade when it is running.
- Never attempt to stop the power tool in motion rapidly by jamming a tool or other means against the blade,

serious accidents can be caused unintentionally in this way.

- Disconnect the power tool from the mains supply before changing blades or carrying out maintenance.
- Pay attention to blade packing and unpacking, it is easy to be injured by the sharp blade tips.
- Use a blade holder or wear gloves when handling a saw blade. Remember, the blade will be hot after cutting operations.
- Keep and store the blade in original packaging or other suitable packaging, keep in dry conditions and away from chemicals which may damage the blade.

ADDITIONAL BATTERY SAFETY WARNINGS

- 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.

TRANSPORTING LITHIUM BATTERIES

Transport the battery in accordance with local and national provisions and regulations.

Follow all special requirements on packaging and labelling when transporting batteries by a third party. Ensure that no batteries can come in contact with other batteries or conductive materials while in transport by protecting exposed connectors with insulating, non-conductive caps or tape. Do not transport batteries that are cracked or leaking. Check with the forwarding company for further advice.

MAINTENANCE

- Do not modify the product in any way or use accessories not approved by the manufacturer. Your safety and that of others may be compromised.
- Do not use the product if any switches, guards or other functions does not work as intended. Return to an authorised service centre for professional repair or adjustment.
- Do not make any adjustments whilst the saw blade is in motion.
- Always make sure the battery pack has been removed from the product before making adjustments, lubricating or when doing any maintenance on the product.
- Before and after each use, check the product for damage or broken parts. Keep the product in top working condition by immediately replacing parts with spares approved by the manufacturer.
- The blade has sharp edges and may also remain hot after cutting operations. Exercise extreme caution when cleaning an exposed blade. Wear gloves to protect yourself from personal injury.
- Clean the saw and its accessories from dust regularly, especially moving parts including the blade guard. Use a hand brush or vacuum cleaner to remove dust effectively. Do not use compressed air.
- For greater safety and reliability, all repairs, including changing brushes, should be performed by an authorised service centre.

⚠ **WARNING!** Do not attempt to disassemble the blade guard assembly for cleaning or repair. Damaged guards should not be used. Return to an authorised service centre for repair or replacement.

SYMBOLS ON THE PRODUCT


Safety alert


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


Please read the instructions carefully before starting the product.


Wear ear protection.


Wear eye protection.


Wear safety gloves.


Keep hands away from the cutting area and sharp blade.


Do not expose to rain or use in damp locations.


Blade width of cut (kerf)

Number of teeth on this saw blade


For cutting wood and analogous material


Not for cutting metals


Blade rotation direction (shown on saw blade)

Do not dispose of waste batteries, waste electrical and electronic equipment as unsorted municipal waste. Waste batteries and waste electrical and electronic equipment must be collected separately. Waste batteries, waste accumulators, and light sources have to be removed from the equipment. Check with your local authority or retailer for recycling advice and collection point. According to local regulations, retailers may have an obligation to take back waste batteries and waste electrical and electronic equipment free of charge. Your contribution to the reuse and recycling of waste batteries and waste electrical and electronic equipment helps to reduce the demand of raw materials. Waste batteries, in particular containing lithium, and waste electrical and electronic equipment contain valuable and recyclable materials, which can adversely impact the environment and the human health if not disposed of in an environmentally compatible manner. Delete personal data from waste equipment, if any.

SYMBOLS IN THIS MANUAL

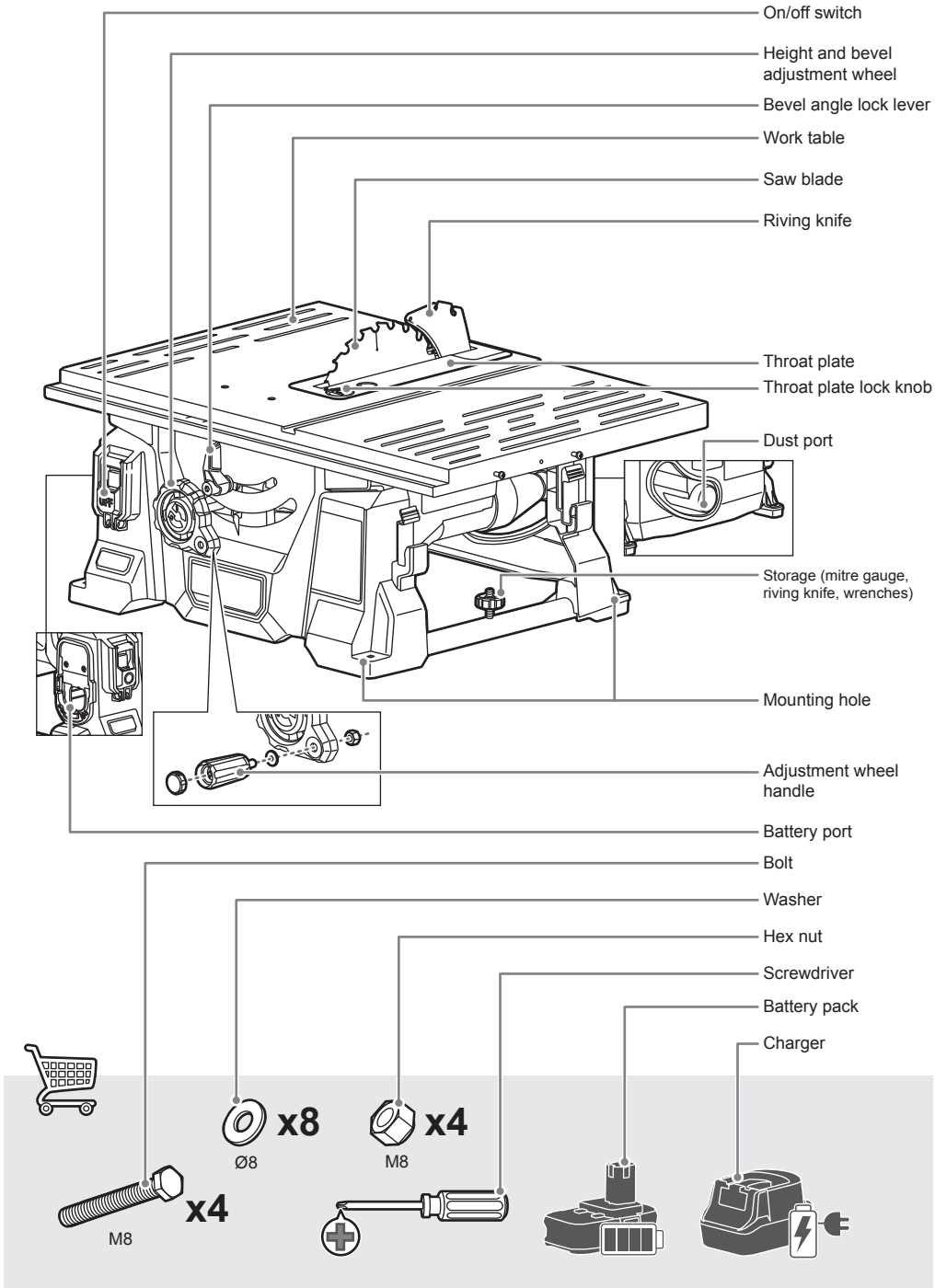
Lock

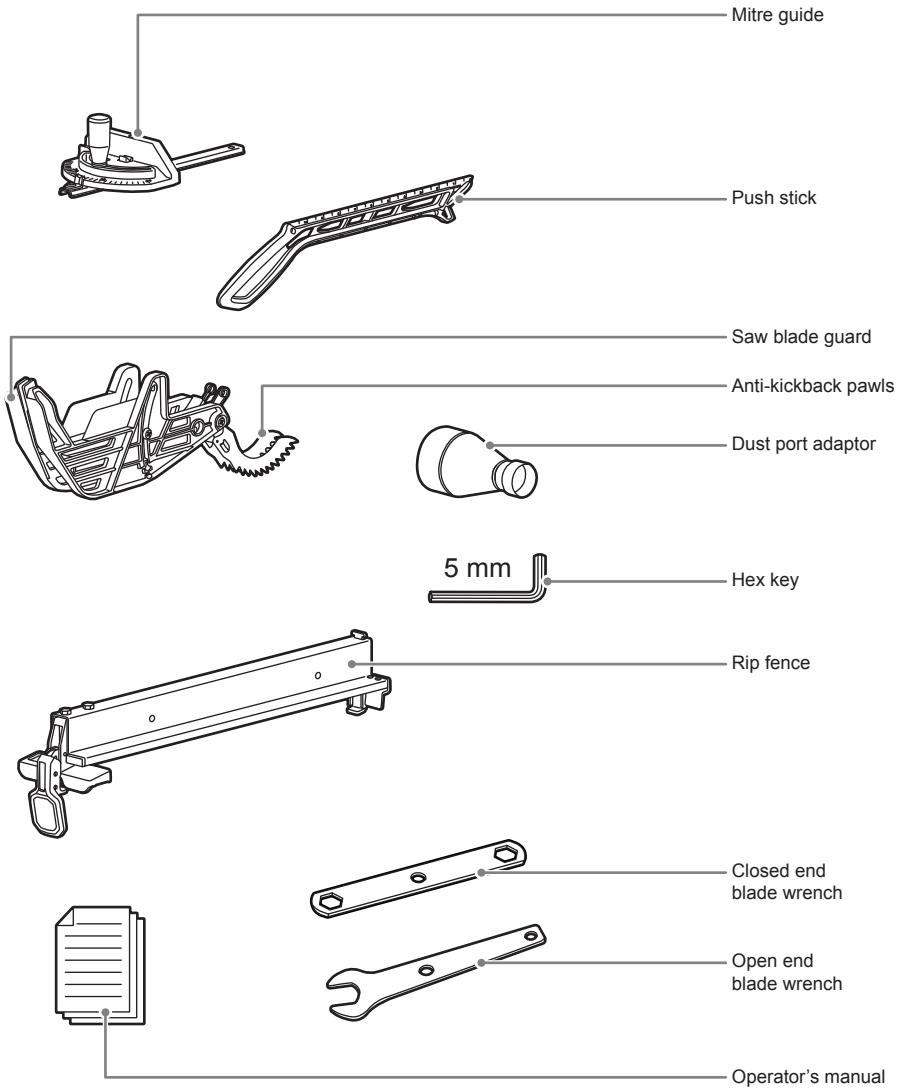
Unlock

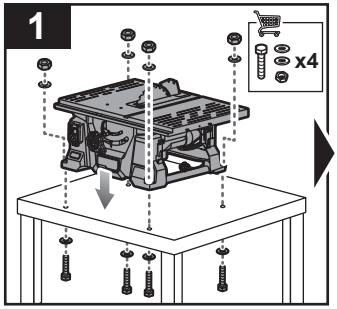
Parts or accessories sold separately

Note

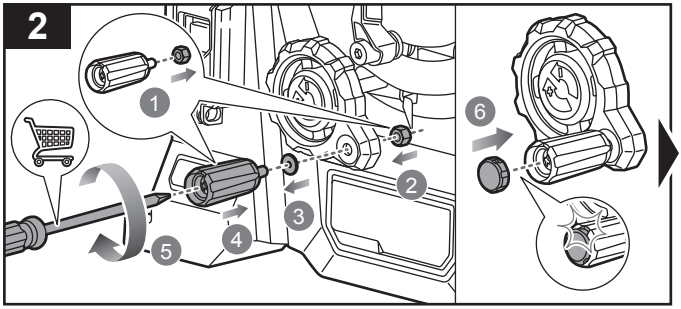
Warning


On/off switch
Height and bevel adjustment wheel
Bevel angle lock lever
Work table
Saw blade
Riving knife
Throat plate
Throat plate lock knob
Dust port
Storage (mitre gauge, riving knife, wrenches)
Mounting hole
Adjustment wheel handle
Battery port
Bolt
Washer
Hex nut
Screwdriver
Battery pack
Charger
x8
Ø8
x4
M8
x4
M8

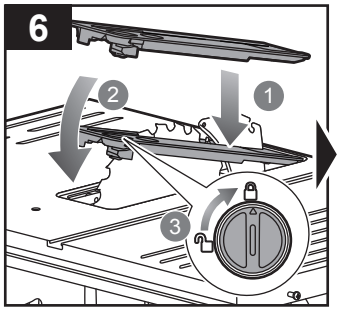

Mitre guide
Push stick
Saw blade guard
Anti-kickback pawls
Dust port adaptor
5 mm
Hex key
Rip fence
Closed end
blade wrench
Open end
blade wrench
Operator’s manual



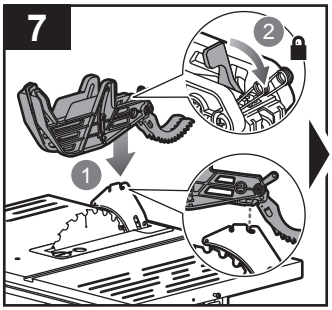
Fix the product on a benchtop with bolts, washers and nuts.

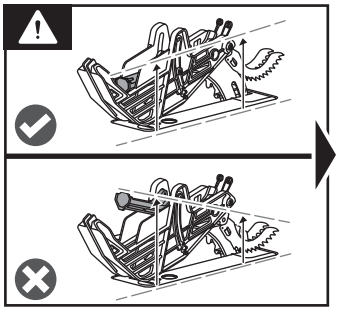


Attach a washer and the adjustment wheel handle to the front of the adjustment wheel. Place a nut on the back of the adjustment wheel. Tighten the adjustment wheel handle with a Phillips screwdriver. Attach the cap to the handle.

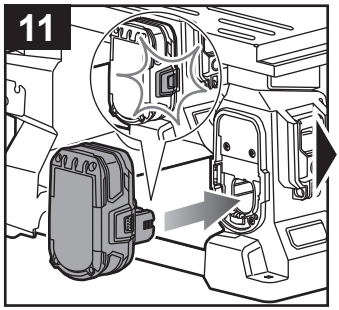


Install the throat plate. Tighten the throat plate lock knob.

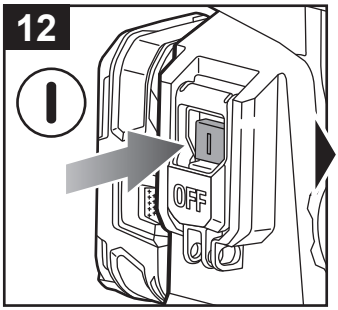




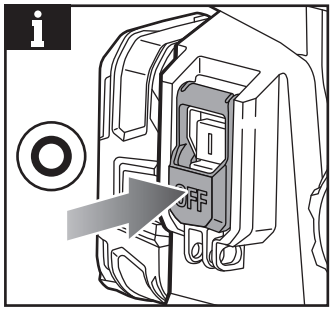
Attach the blade guard to the rear slot of the riving knife. Lock the blade guard in place with the lock lever (the lever is shown as item 2 in step 7). **WARNING**: Pay attention to the correct position of the blade guard.



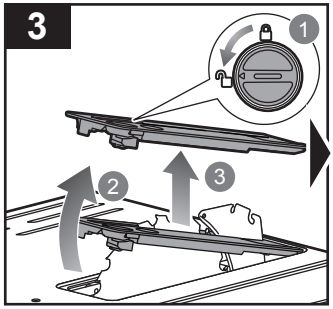
Install the battery pack into the battery port.



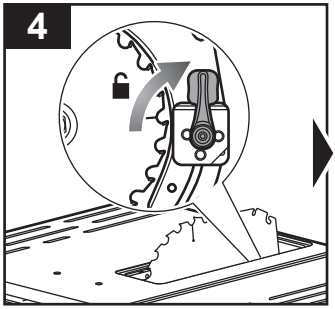
Press the ON button to turn on the product.



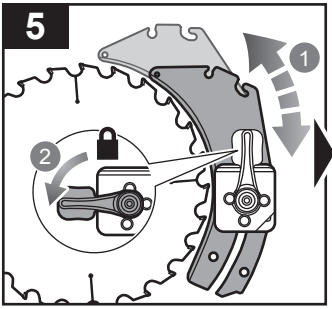
NOTE: Press the OFF button to turn on the product.



Loosen the throat plate lock knob. Remove the throat plate.



Unlock the riving knife lock lever.



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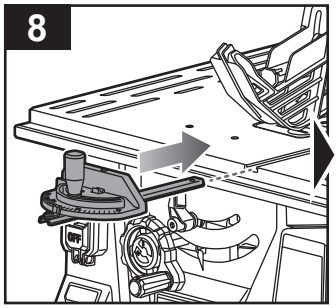
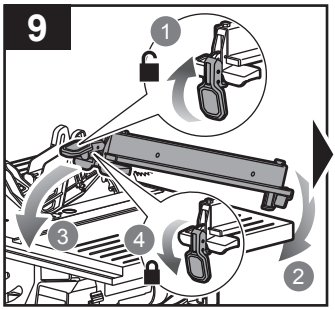
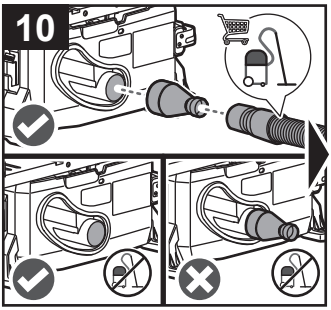
Adjust the position of the riving knife. Lock the riving knife lock lever.



Insert the mitre guide into the mitre guide slot.



Lift the rip fence's lock lever. Lower the front end of the rip fence to the front edge of the worktable. Then lower the rear end of the rip fence to the rear edge of the worktable. Lower the lock lever to fix the rip fence in place.



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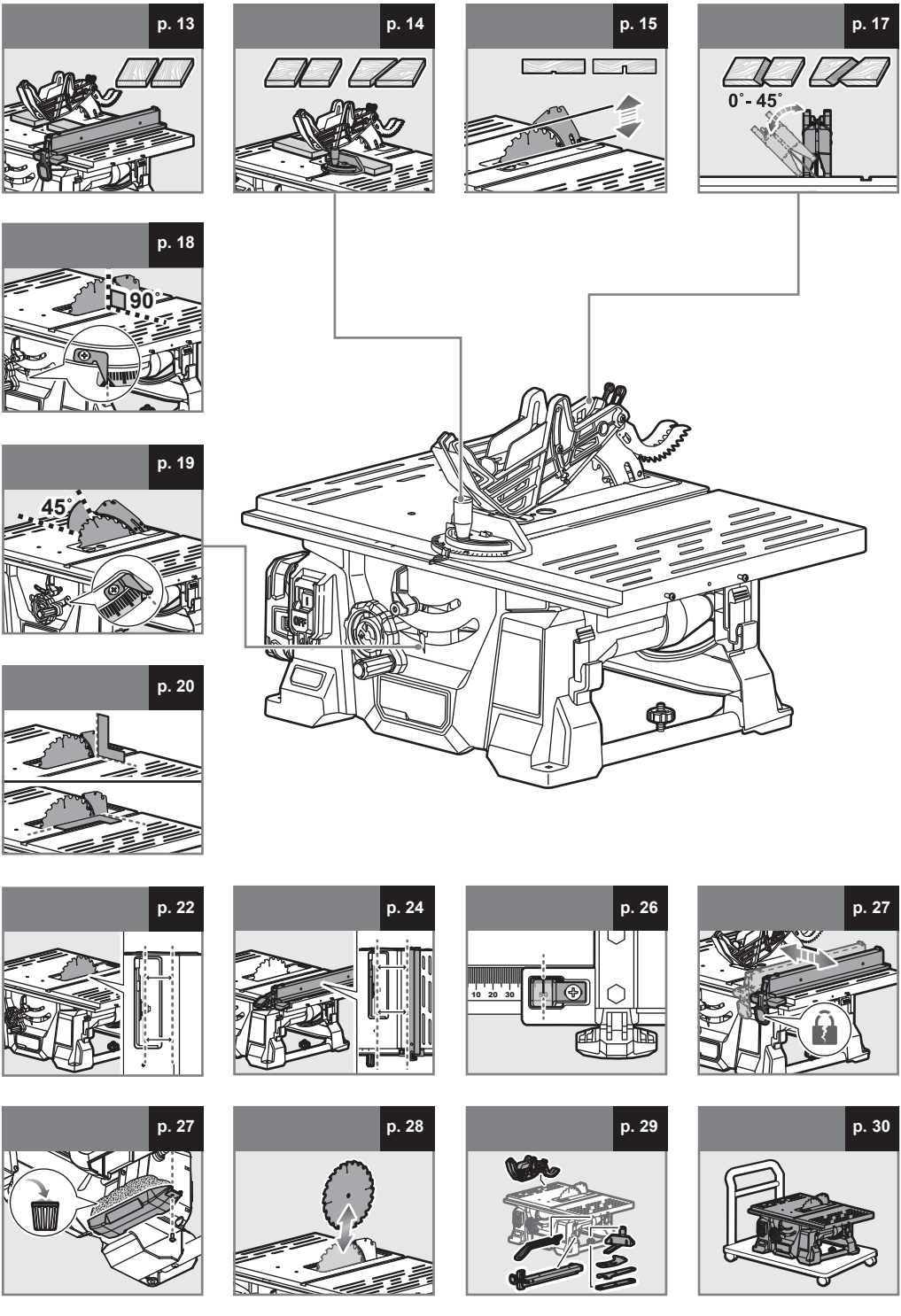
Attach the dust port adaptor to the dust port. Connect a dust extractor. **NOTE:** Do not attach the dust port adaptor if not connecting a dust extractor.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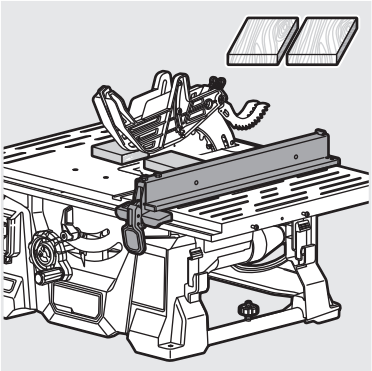
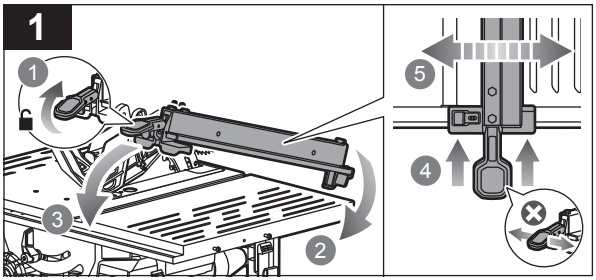


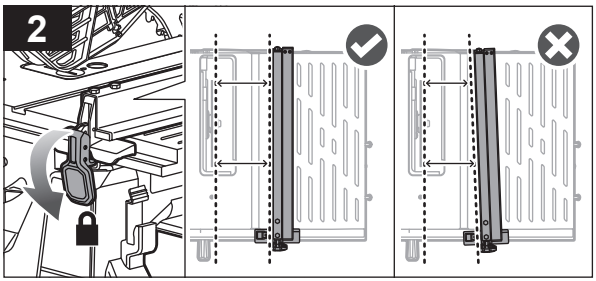
CUTTING WITH THE RIP FENCE

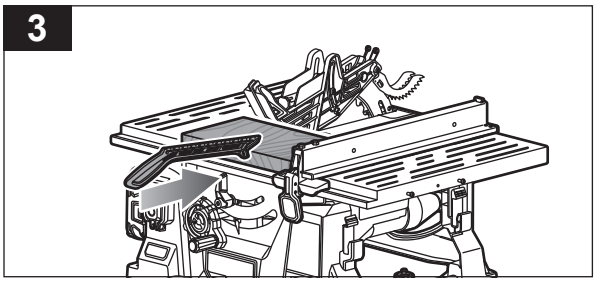
1. Lift the rip fence's lock lever. Lower the front end of the rip fence to the front edge of the worktable. Then lower the rear end of the rip fence to the rear edge of the worktable. Apply force to the rear edge of the rip fence and adjust the rip fence's position. Do not adjust by the lock lever.
2. Lower the lock lever to fix the rip fence in place. **NOTE**: Ensure that the rip fence is parallel to the saw blade.
3. Place the workpice on the work table against the rip fence. Feed the workpiece using the push stick as aid.

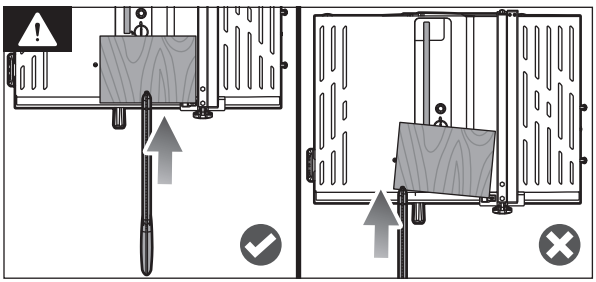
⚠ **WARNING!** Use the push stick between the blade and rip fence. Do not use at the open end.

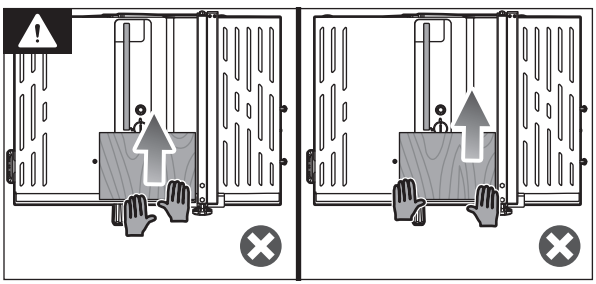
⚠ **WARNING!** Do not perform cutting operation freehand.

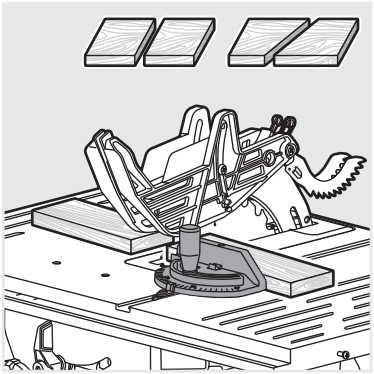










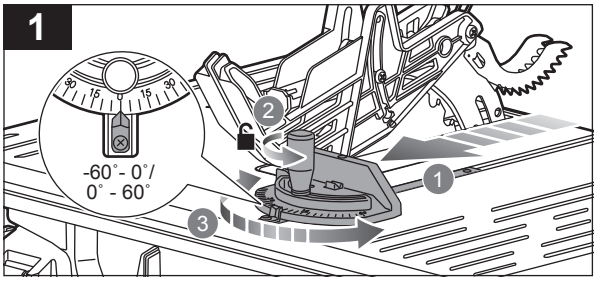


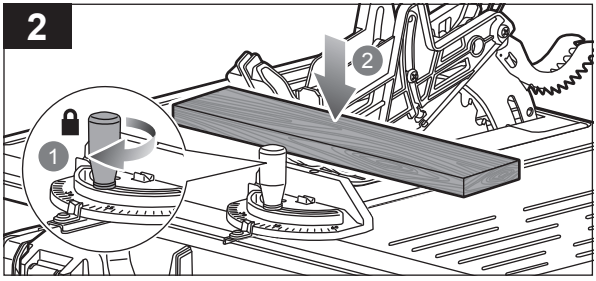
CUTTING WITH THE MITRE GUIDE

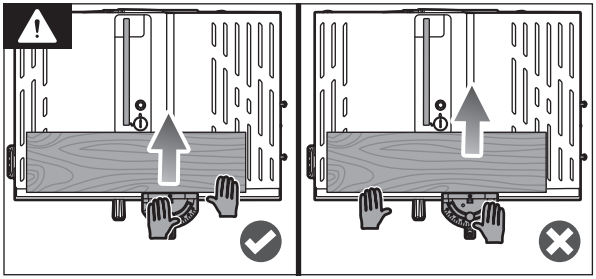
1. Adjust the position of the mitre guide on the mitre guide slot. Unlock the mitre angle lock. Adjust the mitre guide to the desired angle.
2. Lock the mitre angle lock. Place the workpiece on the work table.

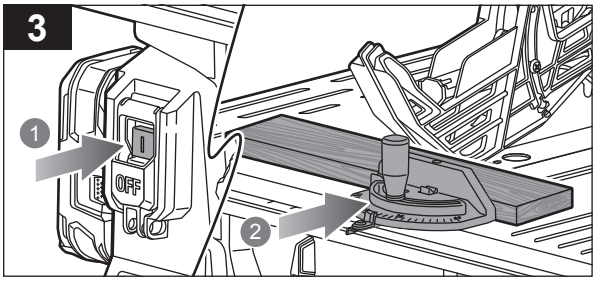
⚠ **WARNING!** Hold the workpiece firmly with both hands on the mitre gauge and feed the workpiece into the blade. The hand closest to the blade should be placed on the mitre gauge lock knob and the hand farthest from the blade should be placed on the workpiece.

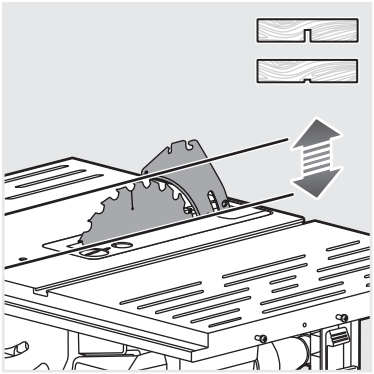
3. Switch on the product. Feed the workpiece to the blade.











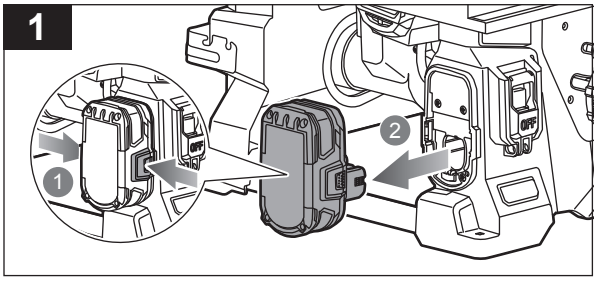
GROOVE CUTTING

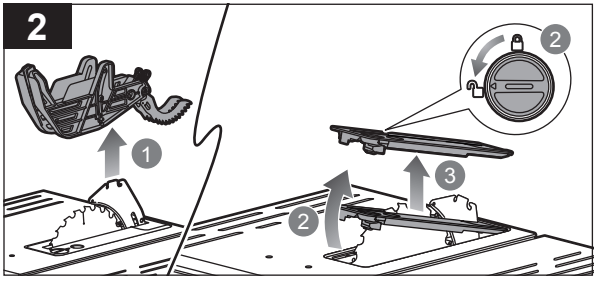
1. Remove the battery pack from the product.
2. Remove the blade guard from the riving knife. Loosen the throat plate lock knob. Remove the throat plate.
3. Unlock the riving knife lock lever. Move the riving knife to the lowest position. Lock the riving knife lock lever.
4. Install the throat plate. Tighten the throat plate lock knob.
5. Install the battery pack into the battery port.
6. Switch on the product. Feed the workpiece to the blade.

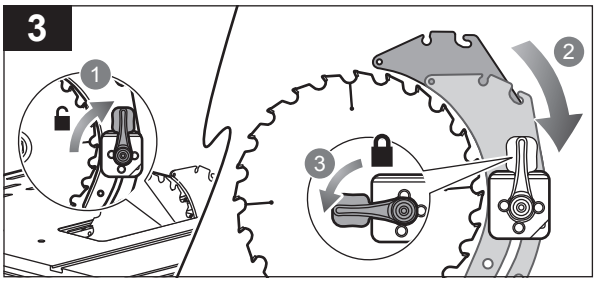
⚠ **WARNING!** Use the push stick between the blade and rip fence. Do not use at the open end.

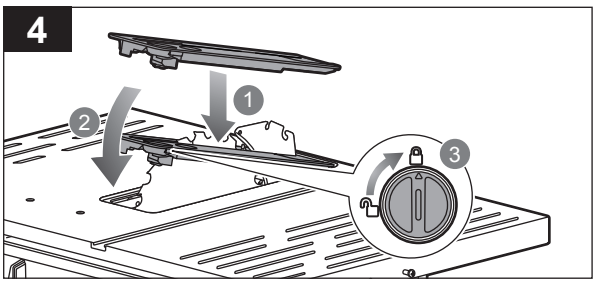
⚠ **WARNING!** Do not perform cutting operation feedhand.

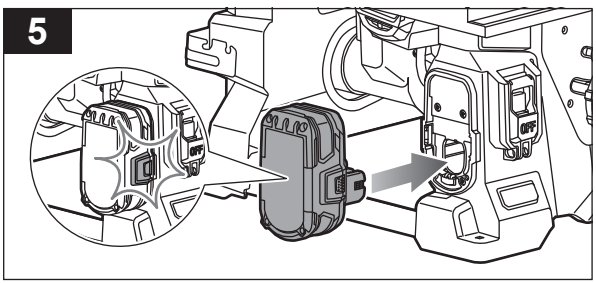
NOTE: Adjust the cutting depth using the Height and bevel adjustment wheel.

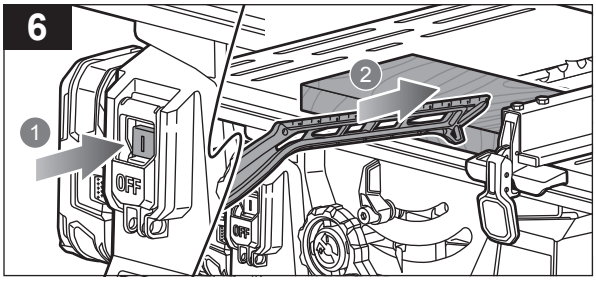








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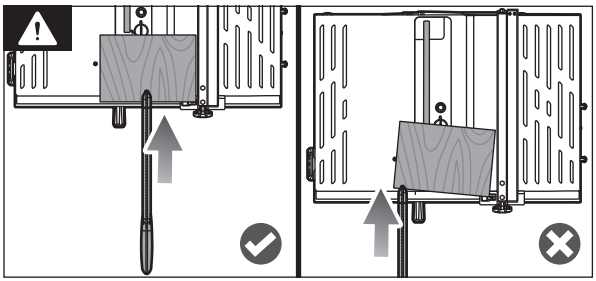
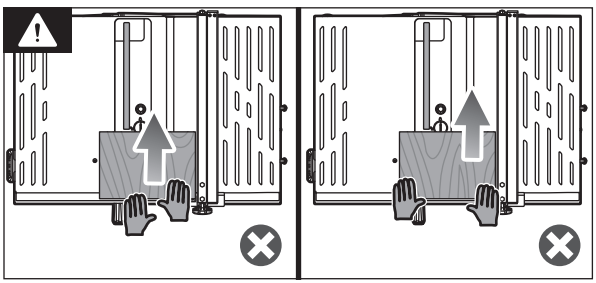
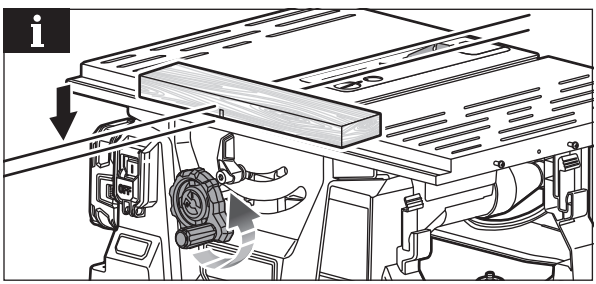
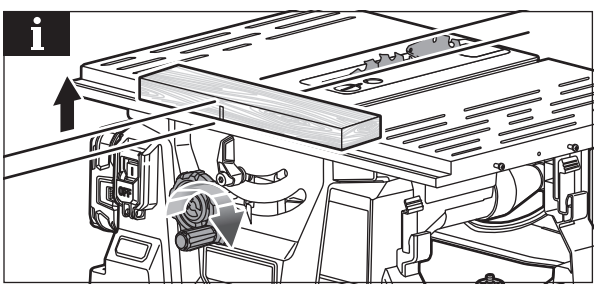
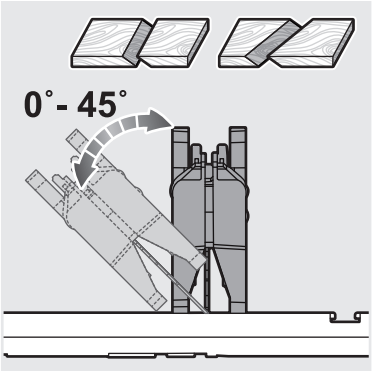




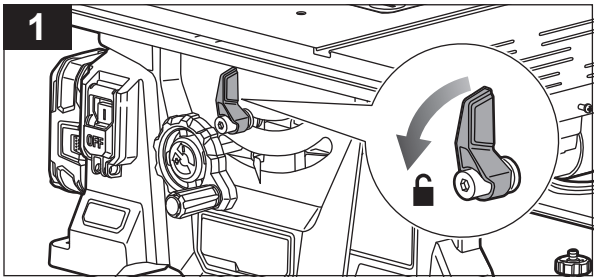


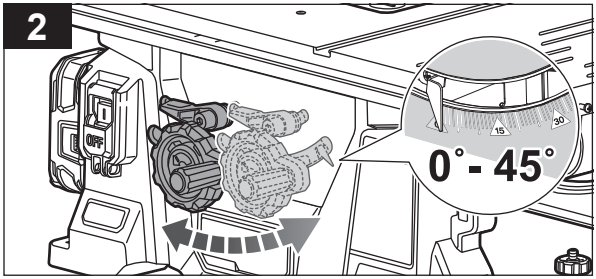


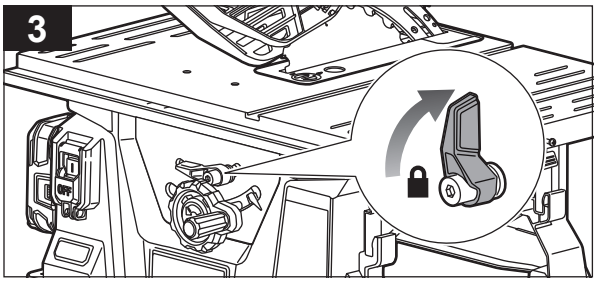


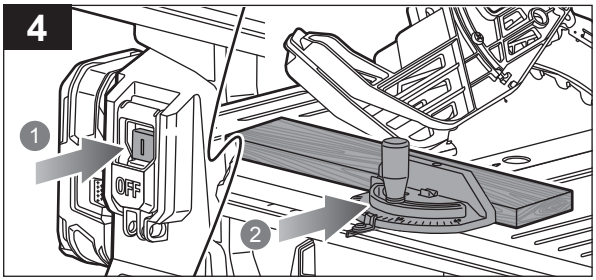
BEVEL CUTTING

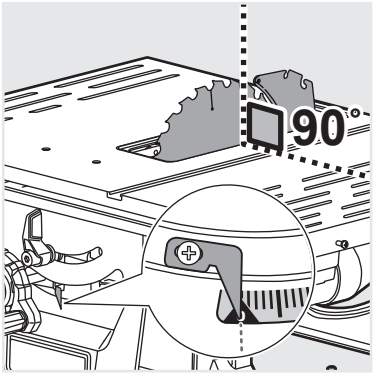
1. Unlock the bevel angle lock lever.
2. Adjust the bevel angle with the height and bevel adjustment wheel.
3. Lock the bevel angle lock lever.
4. Switch on the product. Feed the workpiece to the blade.





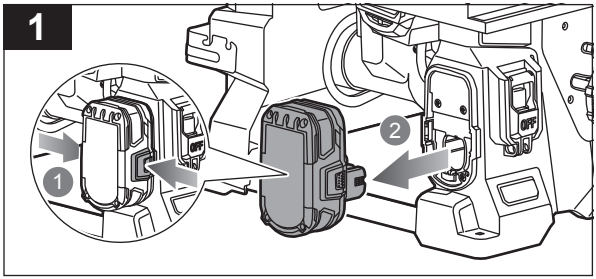


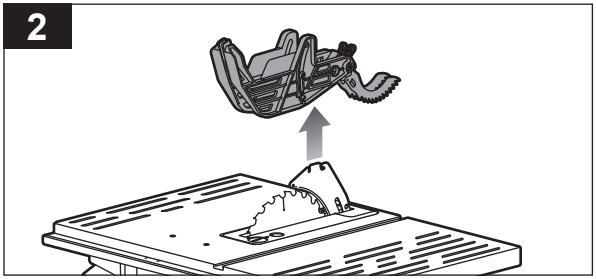


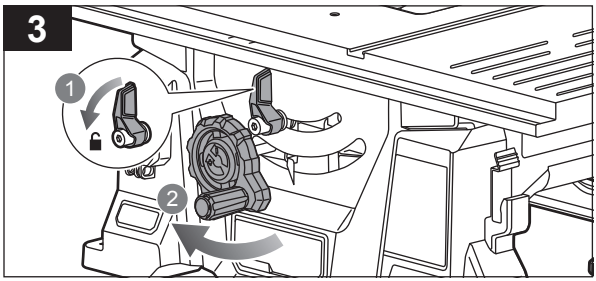


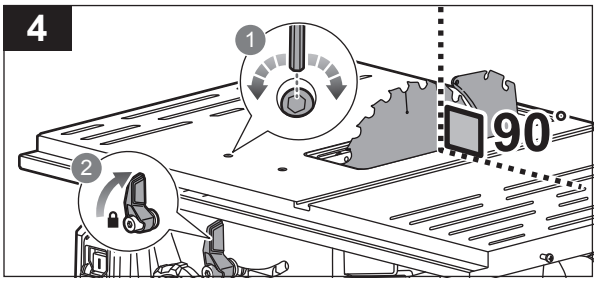
90° BLADE ANGLE SETTING

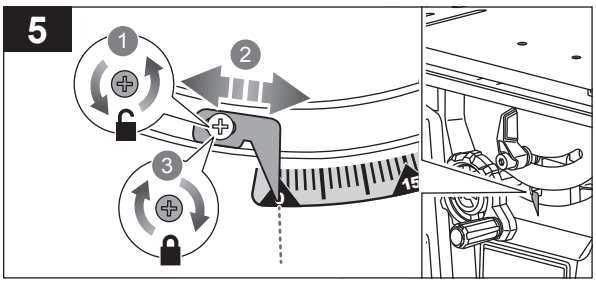
1. Remove the battery pack from the product.
2. Remove the blade guard from the riving knife.
3. Unlock the bevel angle lock lever. Move the height and bevel adjustment wheel to the left end.
4. Place a combination square against the blade. Make sure square is not touching the tip of one of the saw teeth. Turn the 0° stop screw 1/4 turn in the clockwise or counterclockwise direction until there is no gap between the blade and combination square. Lock the bevel angle lock lever.
5. Check the bevel indicator. If indicator is not pointing to the 0º mark on the bevel scale, loosen the indicator adjusting screw and adjust indicator. Retighten screw.

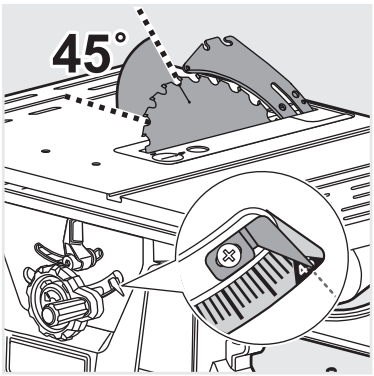






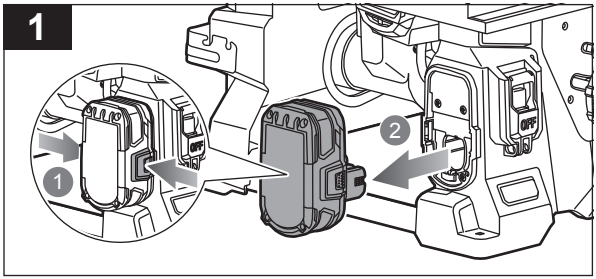


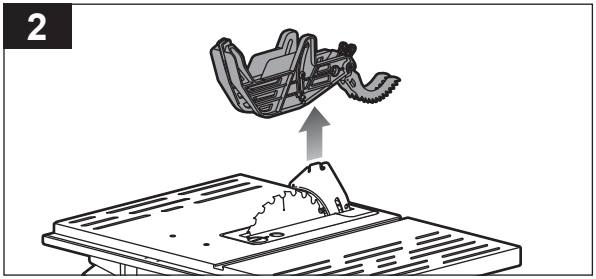


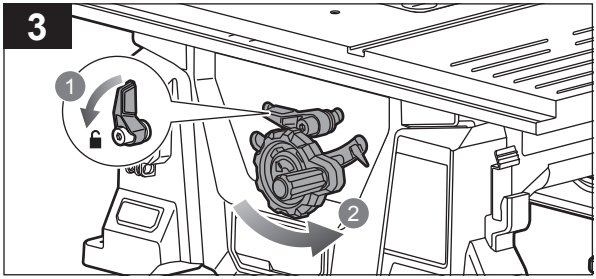


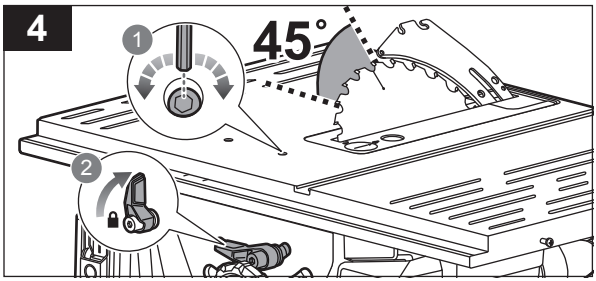
45° BLADE ANGLE SETTING

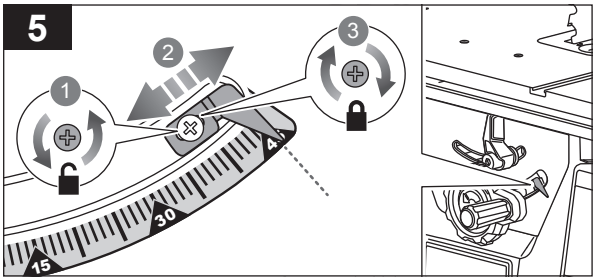
1. Remove the battery pack from the product.
2. Remove the blade guard from the riving knife.
3. Unlock the bevel angle lock lever. Move the height and bevel adjustment wheel to the right end.
4. Place a combination square against the blade. Make sure square is not touching the tip of one of the saw teeth. Turn the 45° stop screw 1/4 turn in the clockwise or counterclockwise direction until there is no gap between the blade and combination square. Lock the bevel angle lock lever.
5. Check the bevel indicator. If indicator is not pointing to the 45º mark on the bevel scale, loosen the indicator adjusting screw and adjust indicator. Retighten screw.

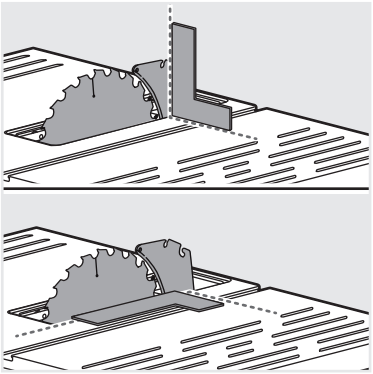






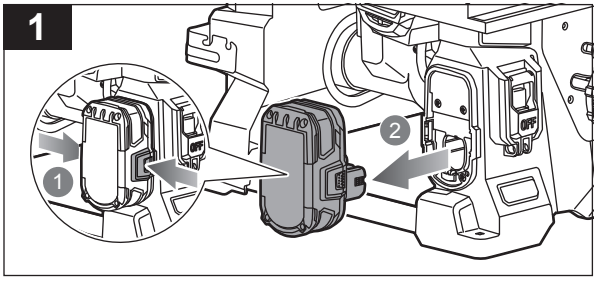


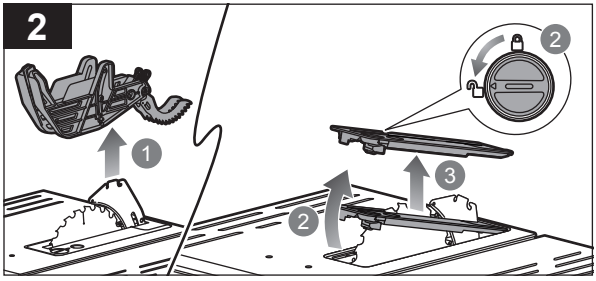


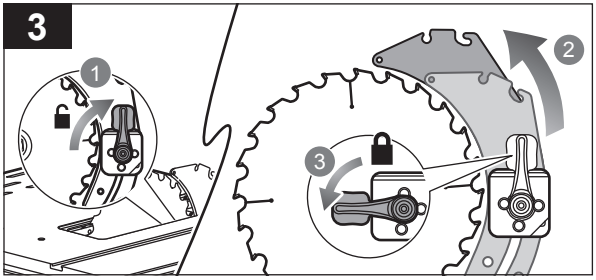


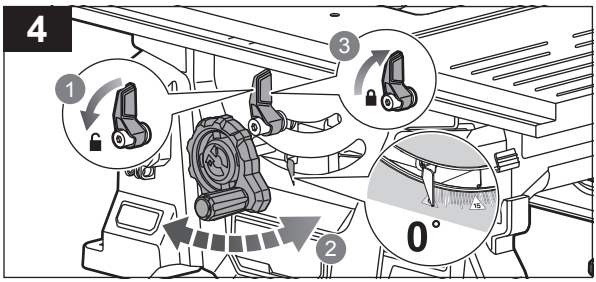
CHECKING AND ALIGNING THE RIVING KNIFE AND SAW BLADE

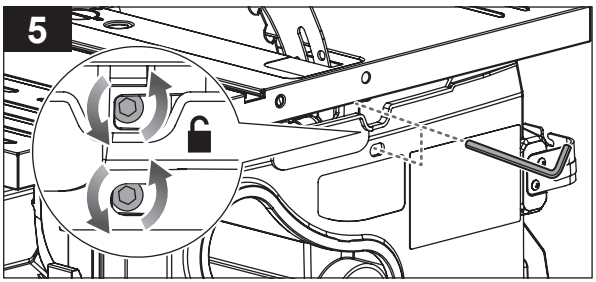
1. Remove the battery pack from the product.
2. Remove the blade guard from the riving knife. Loosen the throat plate lock knob. Remove the throat plate.
3. Unlock the riving knife lock lever. Move the riving knife to the upper position. Lock the riving knife lock lever.
4. Unlock the bevel angle lock lever. Move the height and bevel adjustment wheel to the left end until the bevel indicator points at 0°.
5. From the back of the saw, loosen the screws holding the mounting bracket.
6. Place a framing square beside the riving knife. The edge of the square and the riving knife should be parallel. Adjust the position of the riving knife as needed.
   Place the framing square against both the body of the saw blade and the riving knife. Adjust the position of the riving knife left or right as needed to align the riving knife with the saw blade. Once properly aligned, securely retighten all screws. Check again for squareness and continue to adjust if needed.
7. From the back of the saw, tighten the screws holding the mounting bracket.
8. Install the throat plate. Tighten the throat plate lock knob.

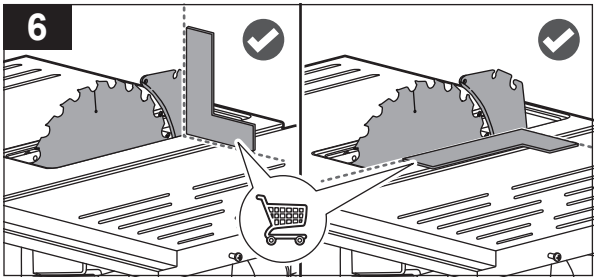








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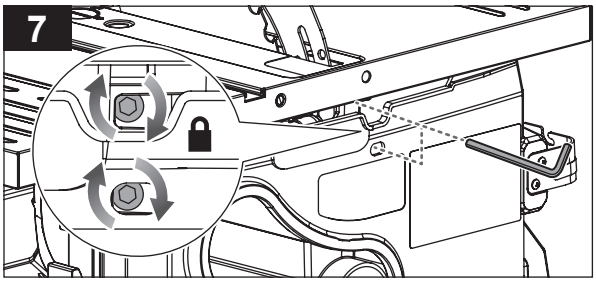
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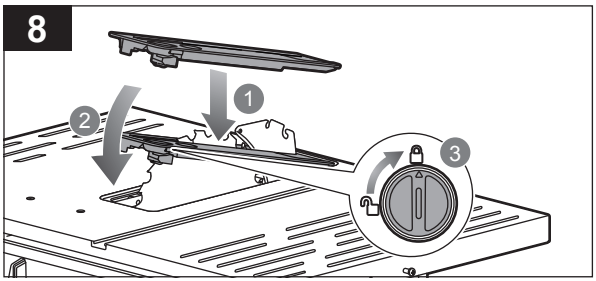
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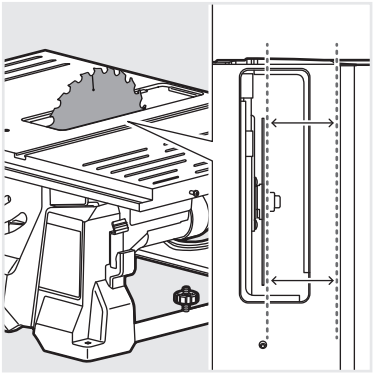
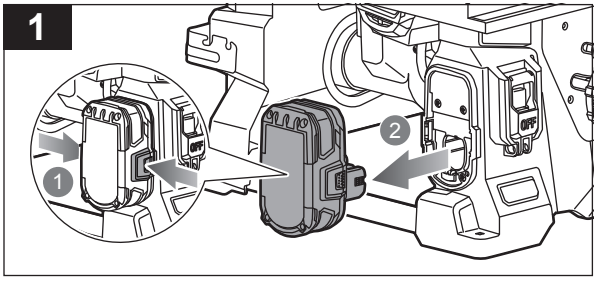
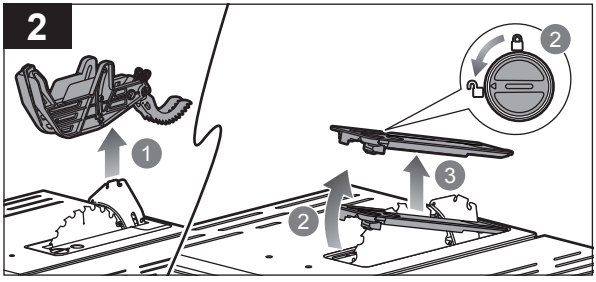
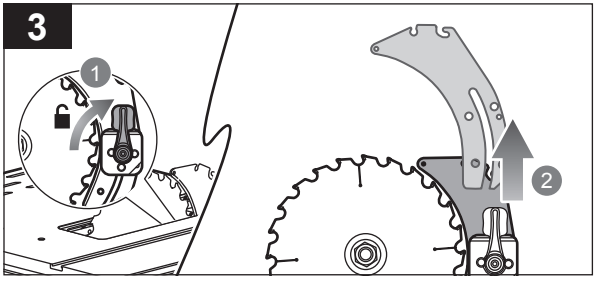


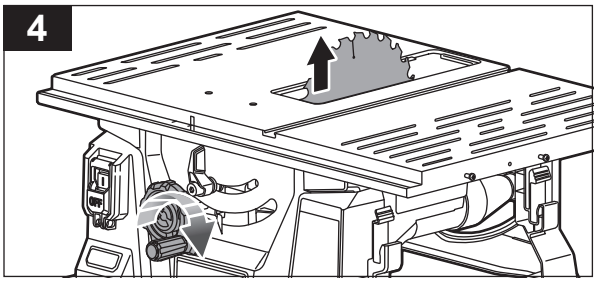
ADJUSTING THE BLADE PARALLEL TO THE MITRE GAUGE GROOVE

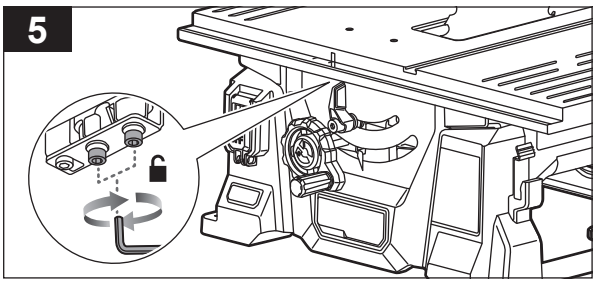
1. Remove the battery pack from the product.
2. Remove the blade guard from the riving knife. Loosen the throat plate lock knob. Remove the throat plate.
3. Unlock the riving knife lock lever. Remove the riving knife.
4. Using the height and bevel adjustment wheel, adjust the blade to the highest position.
5. Loosen the locking bolts.
6. Using a ruler, measure the distance between the mitre gauge groove and front edge and rear edge of the blade respectively. Turn the adjusting bolt left or right until both measurements are the same.
7. Tighten the locking bolts.
8. Install the riving knife. Lock the riving knife lock lever.
9. Install the throat plate. Tighten the throat plate lock knob.

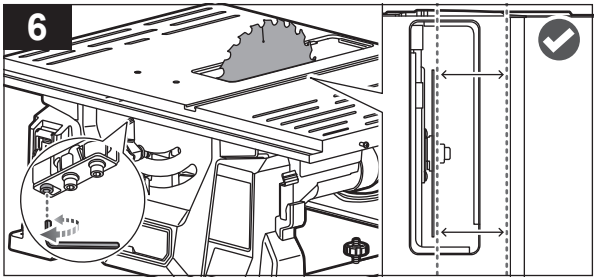








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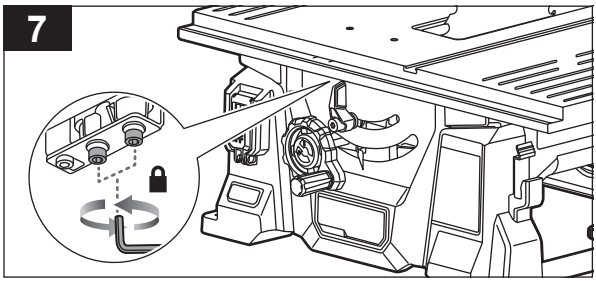
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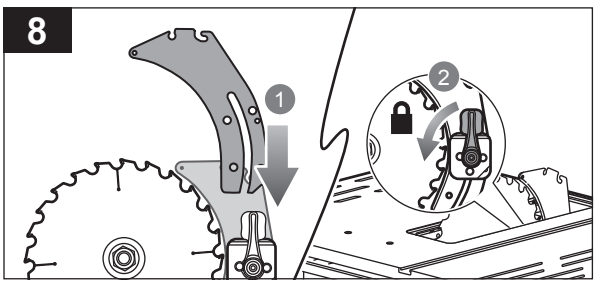
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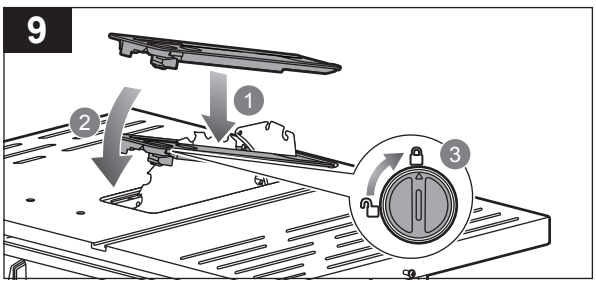
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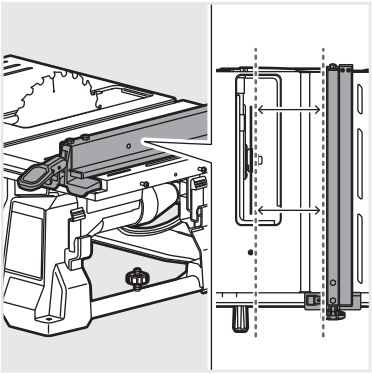
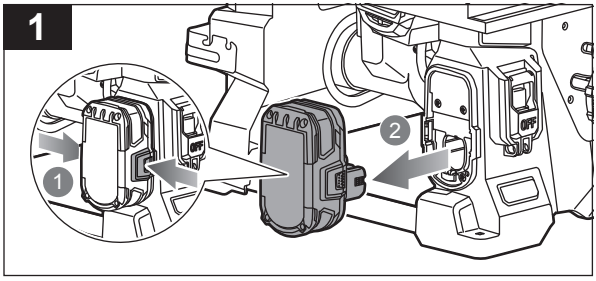
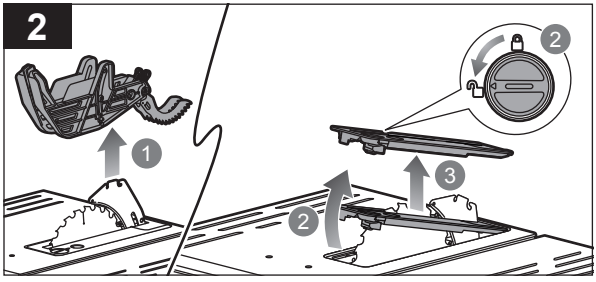
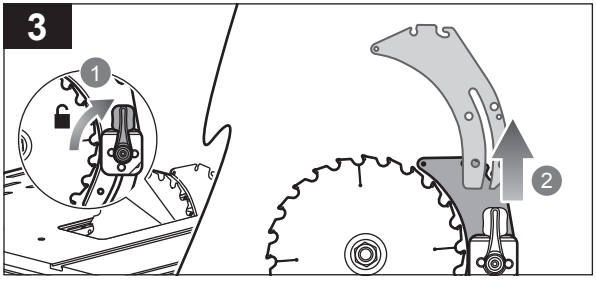


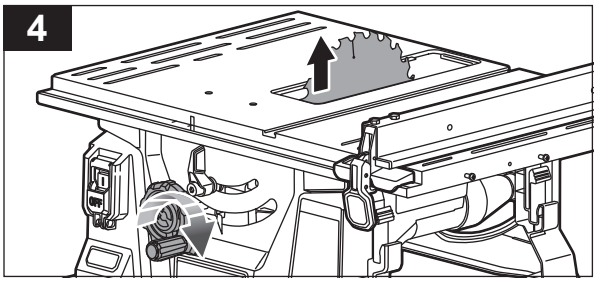
ADJUSTING THE RIP FENCE PARALLEL TO THE BLADE

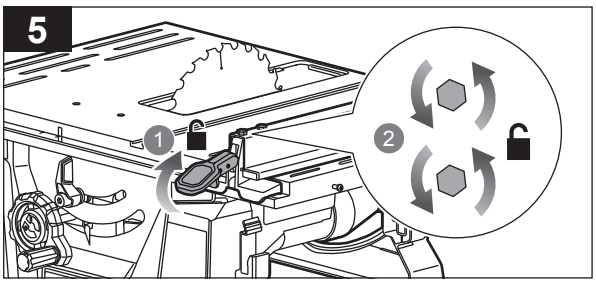
1. Remove the battery pack from the product.
2. Remove the blade guard from the riving knife. Loosen the throat plate lock knob. Remove the throat plate.
3. Unlock the riving knife lock lever. Remove the riving knife.
4. Using the height and bevel adjustment wheel, adjust the blade to the highest position.
5. Unlock the rip fence lock lever. Loosen the locking bolts.
6. Using a ruler, measure the distance between the rip fence and front edge and rear edge of the blade respectively. Adjust the rip fence until both measurements are the same.
7. Tighten the locking bolts.
8. Install the riving knife. Lock the riving knife lock lever.
9. Install the throat plate. Tighten the throat plate lock knob.

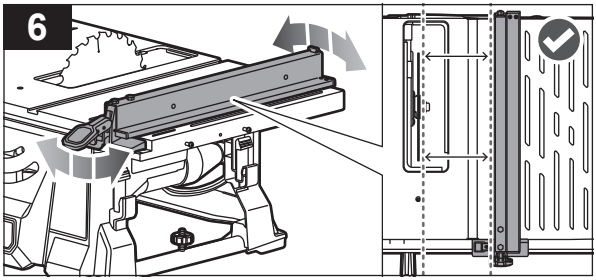








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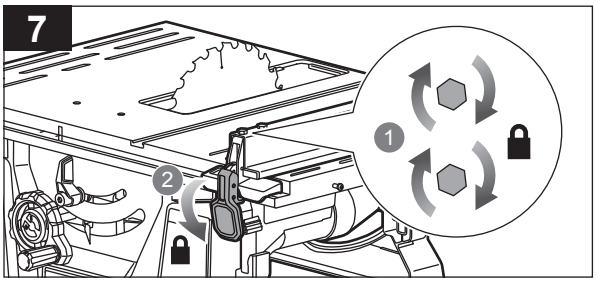
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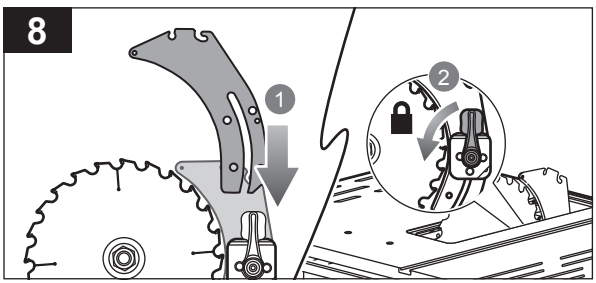
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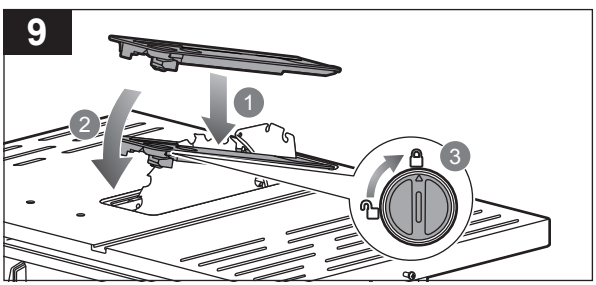
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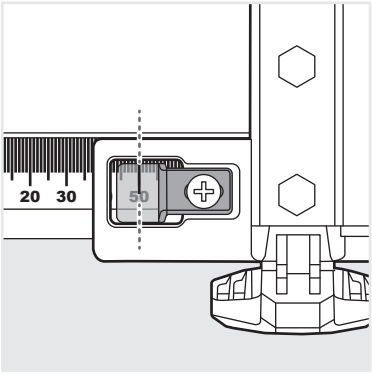
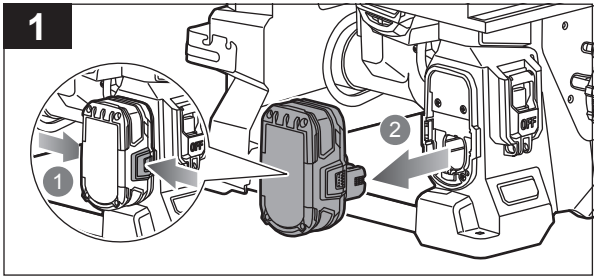
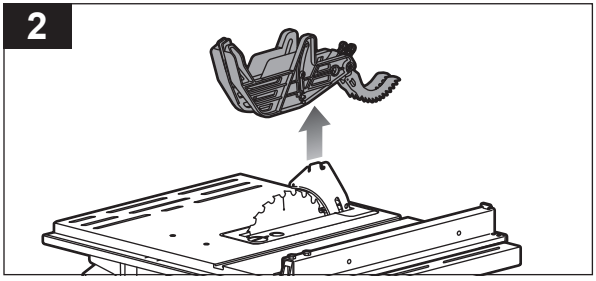
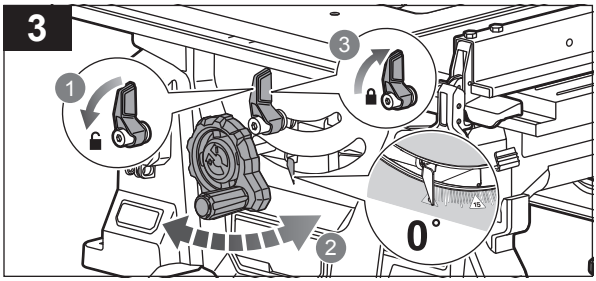


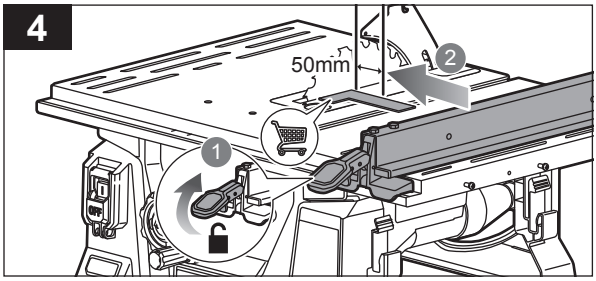
SETTINGTHERIPFENCESCALEINDICATOR TO THE BLADE

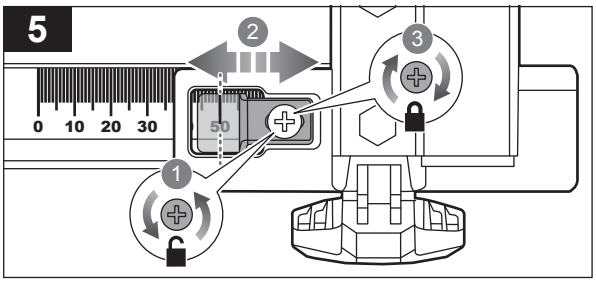
1. Remove the battery pack from the product.
2. Remove the blade guard from the riving knife.
3. Unlock the bevel angle lock lever. Move the height and bevel adjustment wheel to the left until the bevel indicator points at 0°.
4. Unlock the rip fence lock lever. Using a ruler, measure the distance between the rip fence and the blade. Adjust the rip fence to the 50 mm distance.
5. Loosen the screw on the scale indicator and align with the 50 mm mark. Tighten the screw and check the distance again.

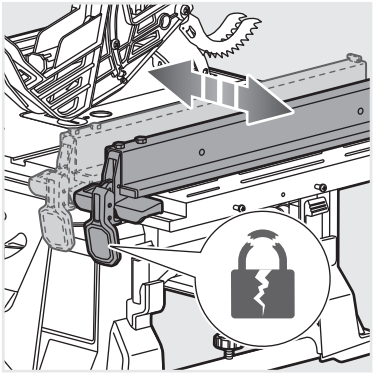






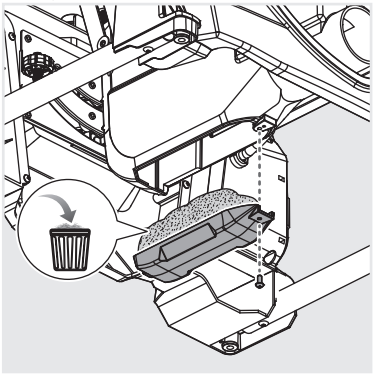






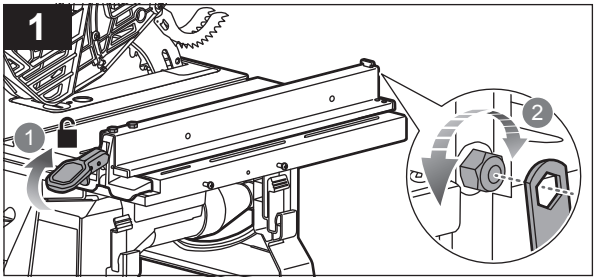
CHECKING THE TIGHTNESS OF THE RIP FENCE LOCKING LEVER

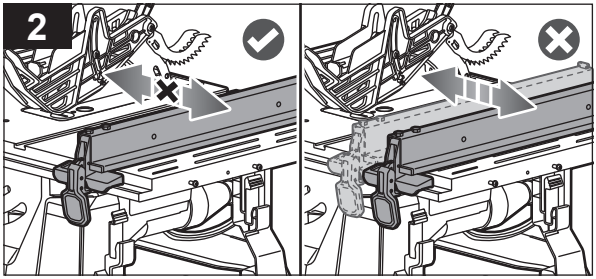
1. Unlock the rip fence lock lever. Turn the lock nut to adjust the clamping force.
2. Lock the rip fence lock lever. Try moving the fence from side-to-side. If the fence moves, tighten the lock nut 1/4 turn at a time, rechecking for movement after each adjustment.

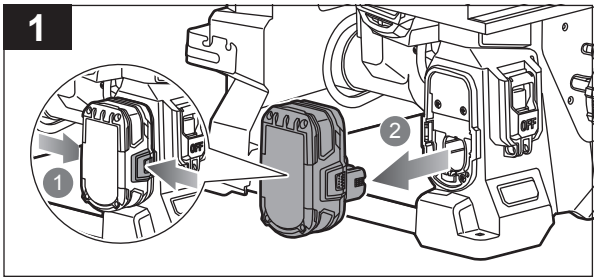


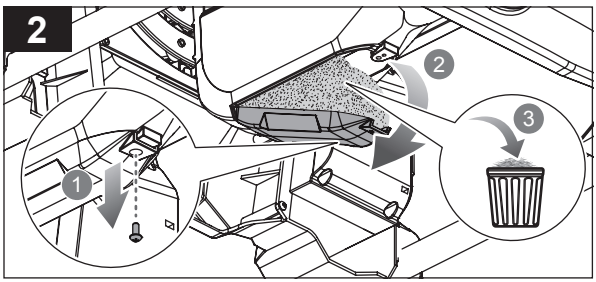
CLEANING THE DUST PORT

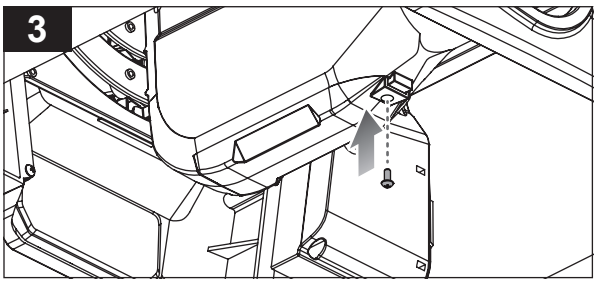
1. Remove the battery pack from the product.
2. Loosen the screw at the bottom of the dust port. Remove the cover. Shake out any sawdust and wipe with a clean dry cloth, as needed.
3. Replace the cover and securely tighten the screw.

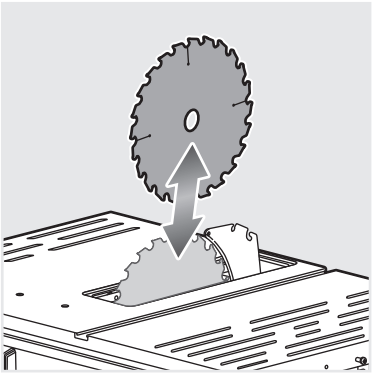










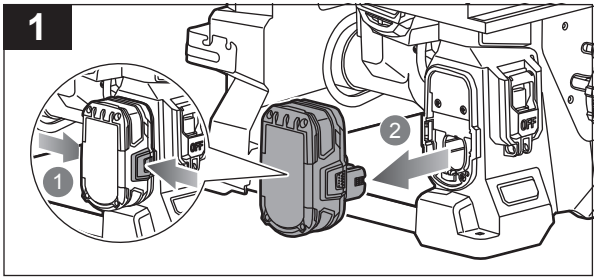


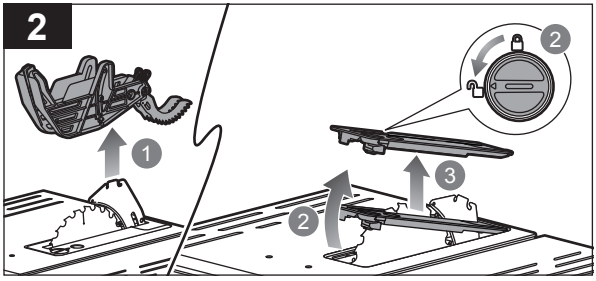
REPLACING THE BLADE

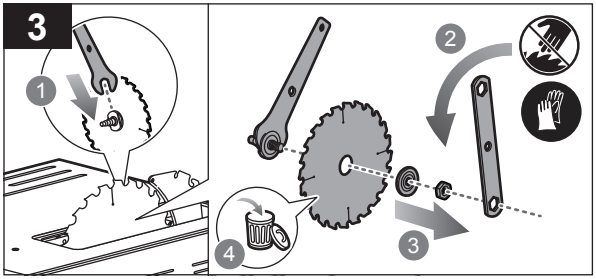
1. Remove the battery pack from the product.
2. Remove the blade guard from the riving knife. Loosen the throat plate lock knob. Remove the throat plate.
3. Insert the open end of the blade wrench onto the flats on the arbor shaft. Insert the closed end of the blade wrench over the blade nut. Holding both wrenches firmly, pull the outside wrench (right side) forward while pushing the inside (left side) to the back of the saw. Remove the blade nut and blade washer. Unlock the riving knife lock lever and remove the blade.

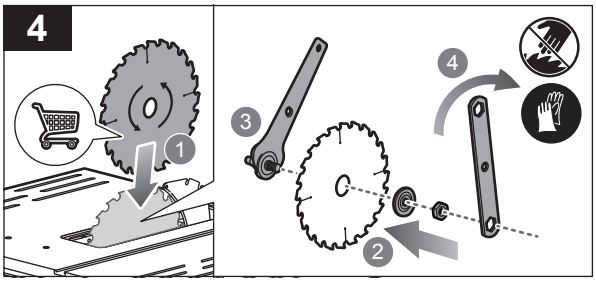
WARNING! The blade is extremely sharp. To avoid injury, exercise extreme caution and care when replacing the blade. Always wear non-slip, heavy-duty protective gloves.

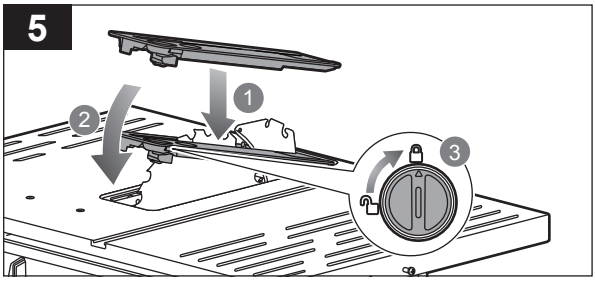
4. Place the new blade on the arbor shaft. Observe the correct blade rotation direction. Place the blade washer and the blade nut over the arbor shaft. Be sure the flat side of the blade washer faces the blade and that all items are snug against the arbor housing. Make sure the blade nut is securely tightened. Do not overtighten. Lock the riving knife lock lever. Rotate the blade by hand to make sure it turns freely.
5. Install the throat plate. Tighten the throat plate lock knob.

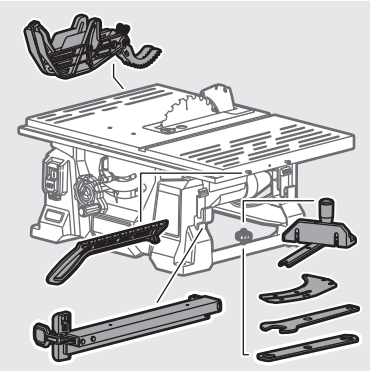






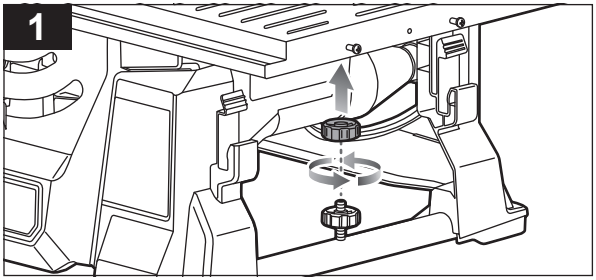


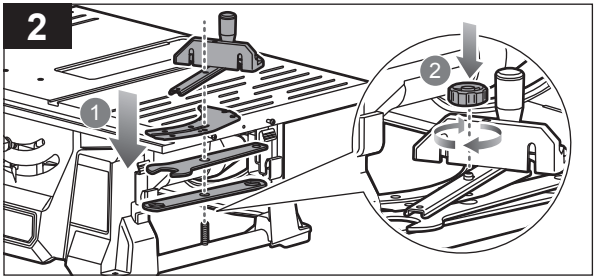


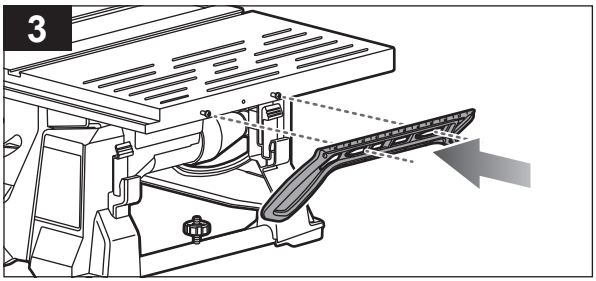


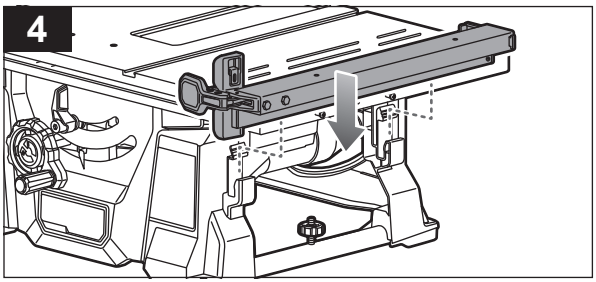
ACCESSORY STORAGE

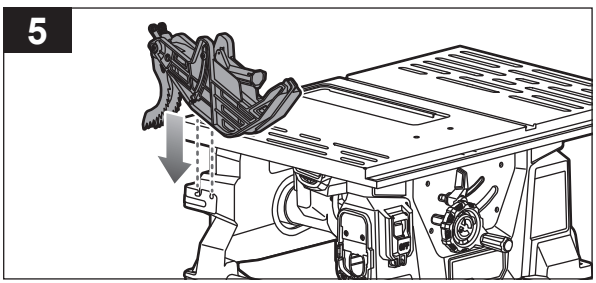
When not in use the rip fence, riving knife, wrenches, blade guard, mitre gauge, and push stick may be stored beneath the saw table.

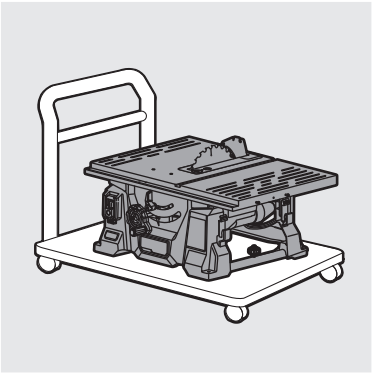






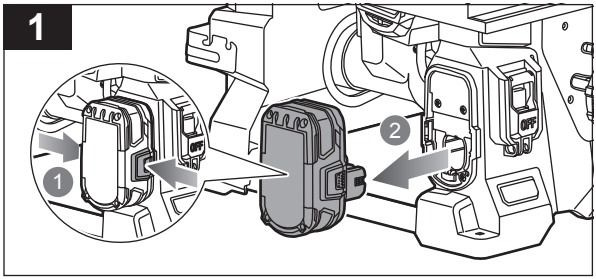


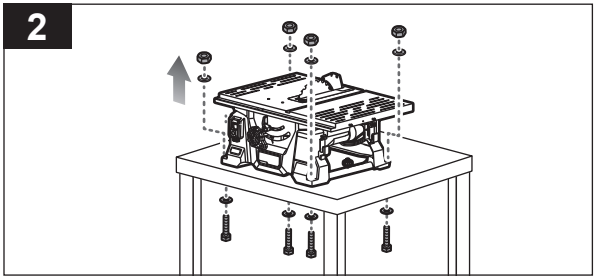


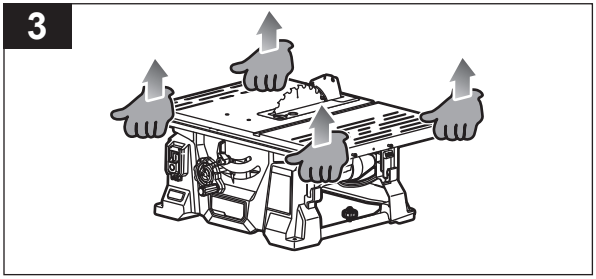


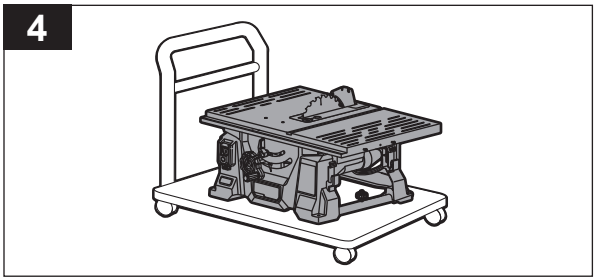
TRANSPORTING THE PRODUCT

1. Remove the battery pack from the product.
2. Remove the product from the bench top by releasing the 4 bolts, washers and nuts.
3. Carry the product by two people, with each hand on a corner of the saw table.
4. When transporting in a vehicle, set the product on its base and secure against movement.









PRODUCT SPECIFICATIONS

Table saw	
Model	RTBS18X
Net weight	15.2 kg
Blade diameter x arbor	210 x 25.4 mm
Blade thickness	1.6 mm
Blade teeth	24 T
Width of cut	2.4 mm
No-load speed	4500 min^{-1}
Input	18V ⎓
Work table size	650.9 x 432.8 mm
Depth of cut at 90°/45°	57 mm / 45 mm
Maximum distance between rip fence and saw blade (left/right)	187 mm / 318 mm
Measured values determined according to EN 62841 A-weighted sound pressure level	L_{pA} = 96.77 dB(A)
Uncertainty K	3 dB(A)
Measured values determined according to EN 62841 A-weighted sound power level	L_{WA} = 107.77 dB(A)
Uncertainty K	3 dB(A)

REPLACEMENT PARTS

Blade	089111001007
Blade guard assembly	089111002400
Throat plate	089240063002
Rip fence	089045008703
Mitre guide	089045008704
Push stick	089240063902

BATTERY

Compatible battery pack (not included)

RB18L13	RB18L25	RB18L60A	RB1840X
RB18L15	RB18L25A	RB18L90A	RB1850C
RB18L15A	RB18L40	RB1815C	RB1850X
RB18L15B	RB18L40A	RB1820C	RB1860X
RB18L20	RB18L50	RB1825C	
RB18L20A	RB18L50A	RB1840C	

NOISE LEVEL

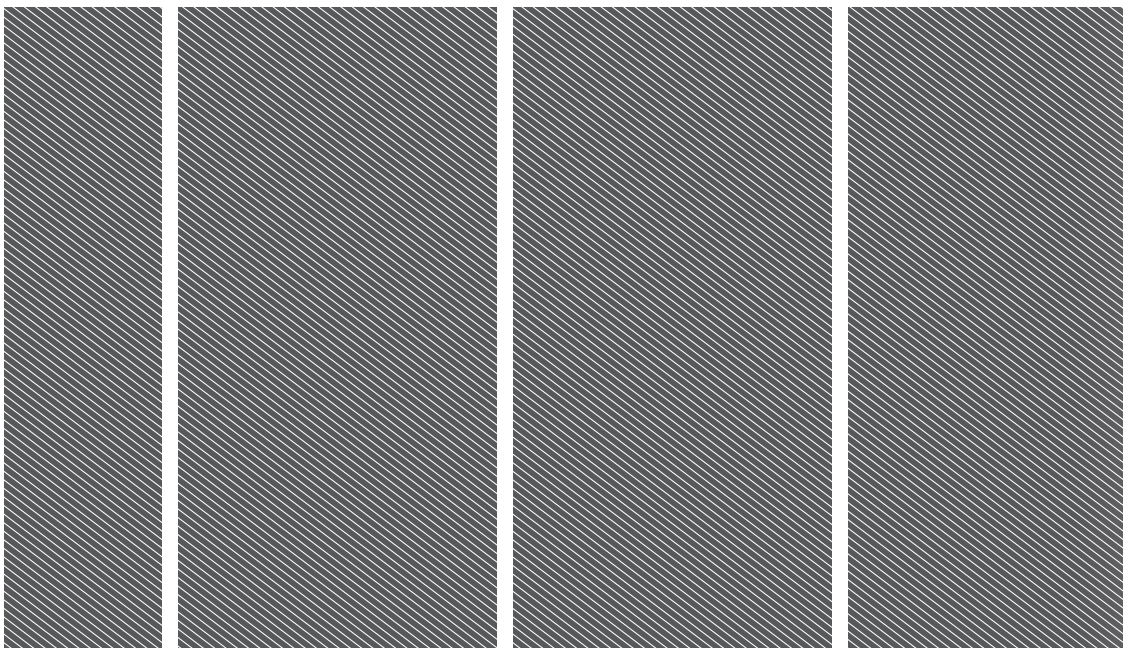
⚠ **WARNING!** The declared noise emission value(s) have been measured in accordance with a standard test method, and may be used for comparing one tool with another.

The declared noise value(s) may also be used in a preliminary assessment of exposure.

The noise emissions during actual use of the power tool can differ from the declared values depending on the ways in which the tool is used especially what kind of workpiece is processed.

Identify safety measures to protect the operator based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Wear hearing protection. Exposure to noise can cause hearing loss.



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