

TOTAL

One-Stop Tools Station

TOTAL

MITER SAW

TMS43183051



1800W

Security instructions



Caution

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

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

Note: Save all warnings and instructions for future reference.

1) Work area safety

- a. Keep the work area clean and well lit to prevent accidents.
- b. Do not use power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust that can cause fires.
- c. Keep children and other unauthorized persons away while using a power tool. Distractions can cause you to lose control of the tool.

2) electrical safety

- a. Power tool plugs must match the outlet. Never modify the plug in any way. Using a suitable plug reduces the risk of electric shock.
- b. Avoid bodily contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electrical shock.
- d. Never use the cord to carry, pull or unplug the power tool. Keep the cable away from heat or oil.
- e. When using a power tool outdoors, use an extension cord suitable for outdoor use.
- f. If using the tool in a damp location is unavoidable, use a Residual Current Device (RCD) protected supply to reduce the risk of electric shock.

3) Personal security

- a. Always stay alert, watch what you are doing and use common sense when using the tool.
- b. Do not use a power tool if you are tired or under the influence of medication or other substances.
- c. Wear personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-slip safety shoes, hard hat, or hearing protection used in the proper conditions will reduce personal injury. Also don't wear loose clothing or jewelry.
- d. Prevent the tool from turning on unintentionally. Make sure the switch is in the off position before connecting to power source and moving.
- e. Remove any adjusting wrenches or wrenches before turning on the power tool. An adjustable wrench or wrench placed in a rotating part of the power tool can cause serious injury.
- f. If devices are used for dust extraction and collection, make sure they are properly connected. Properly use these devices and you will reduce dust-related hazards.
- g. Harmful/toxic dusts such as lead-painted surfaces, wood or metal may arise when sanding. It is important to take special care with their

inhalation, as it can be a danger to the user's health. In addition, always have PPE for the use of this type of tool.

4) Use and care of power tools

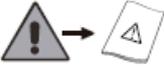
- a. Do not force the tool. Use the correct power tool for each use.
- b. Do not use the power tool if its power switch does not work. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool to avoid accidental starting.
- d. Use the power tool, accessories and bits etc. in accordance with these instructions, taking into account the working conditions and the work to be carried out. Using the power tool for operations other than those intended could result in a hazardous situation.
- e. Store power tools out of the reach of children and do not allow people unfamiliar with the tool to use it.
- f. Carry out regular maintenance on power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the operation of power tools. If it is damaged, have the power tool repaired before using it. Many accidents are caused by poorly maintained power tools.
- g. Keep accessories clean and sharp, as with proper maintenance they are less likely to bind and are easier to control.

5) Service

- a. Have your power tool serviced by a qualified person and use replacement parts recommended by the manufacturer. This will ensure that the safety of the power tool is maintained.

Safety rules for correct use

	Caution - Caution		Maintenance
	Note		Cutting angle/head rotation
	Prohibition		Cleaning
	Not wearing work gloves		Verify - check
	Correct		Measurements and distances to observe

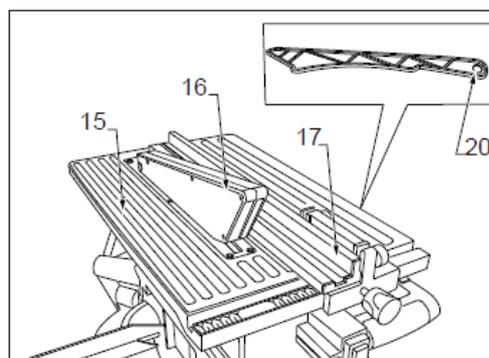
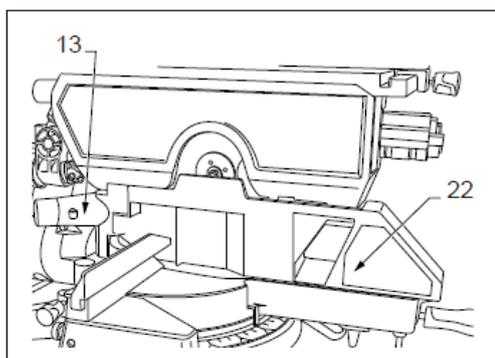
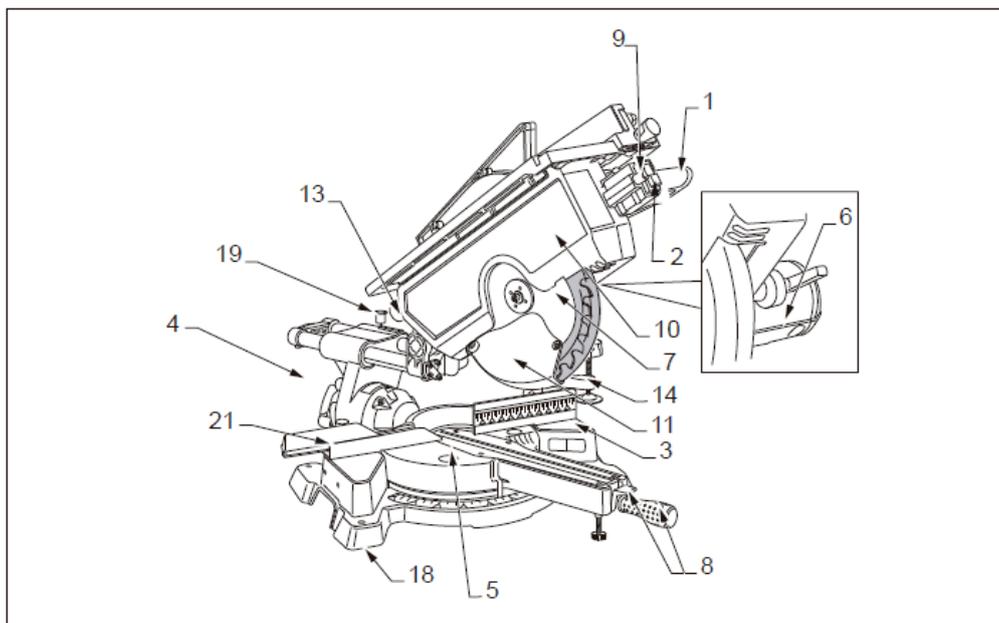
	It's not correct		Turn on the machine
	Read the user instructions. If in doubt, contact your official dealer before proceeding.		Turn off the machine
			
	Settings		
	Use		Voltage / Frequency
	Operation to be carried out with care		Weight
	Operation to be performed with force		Recycling
	Power		miter saw mode
	Velocity		
	Noise		bench saw mode

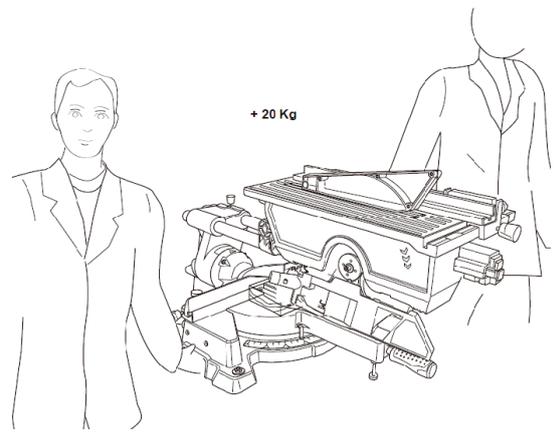
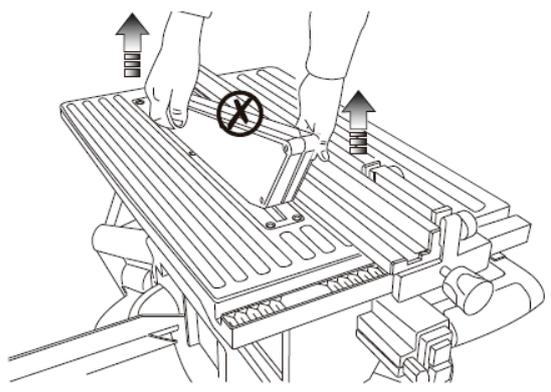
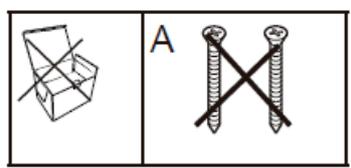
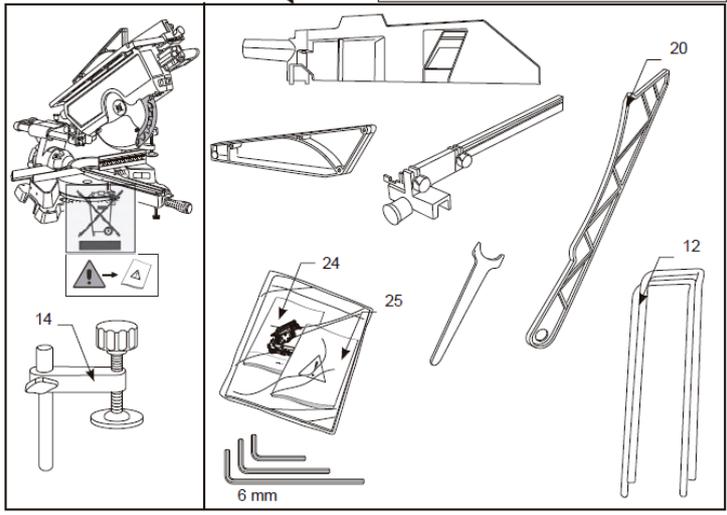
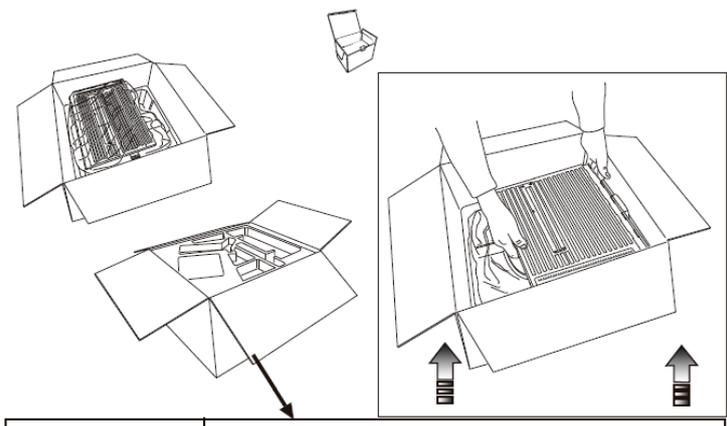
Technical data

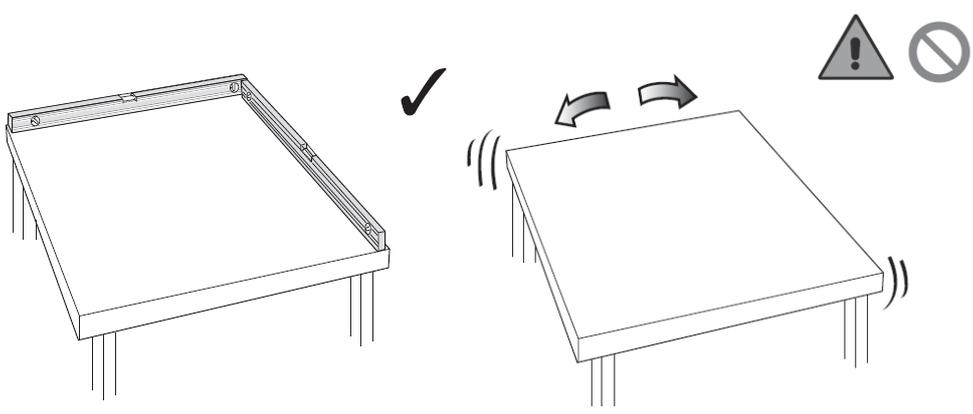
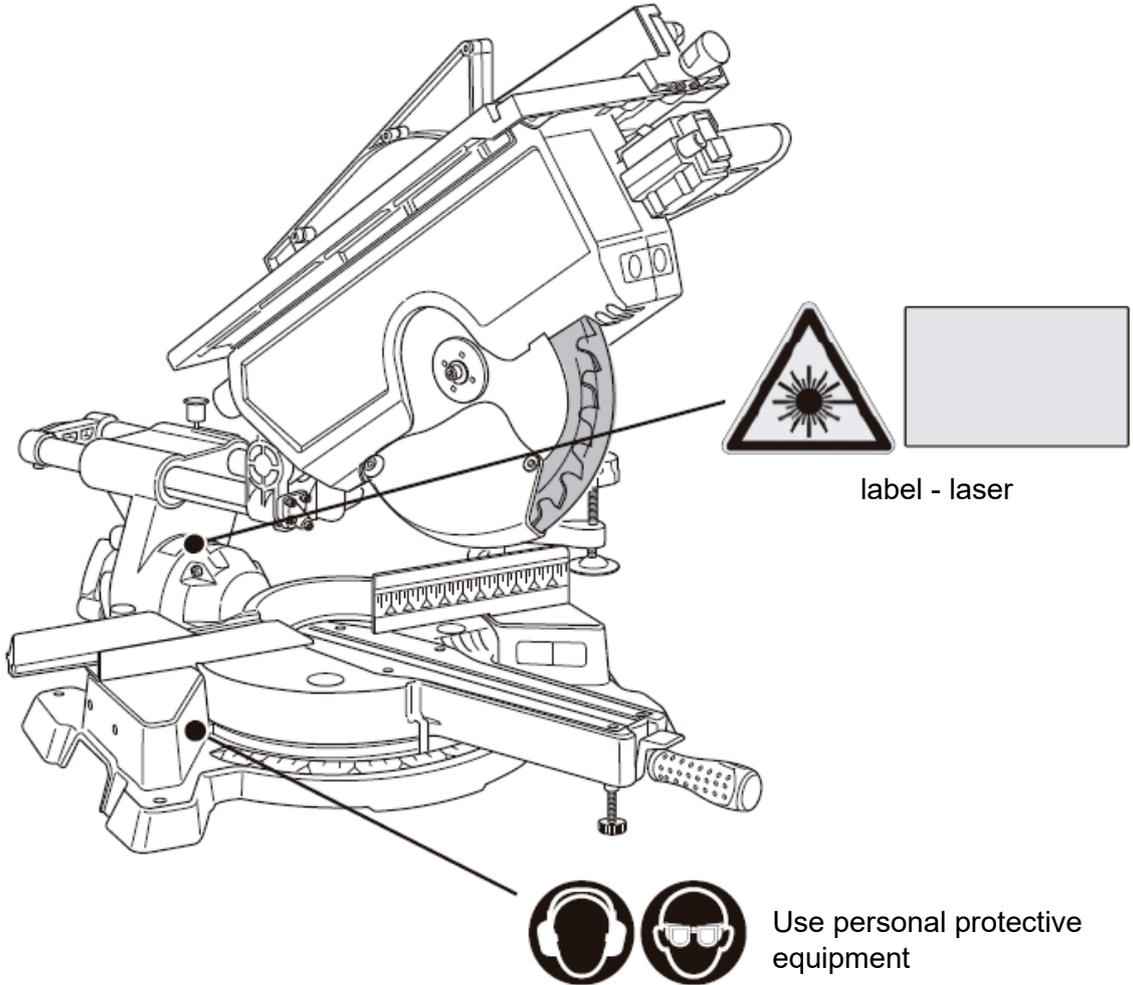
Data sheet	
Power	1800W
Voltage	220-240V ~50/60Hz
No load speed	3600/min
Disk size	305x30mm

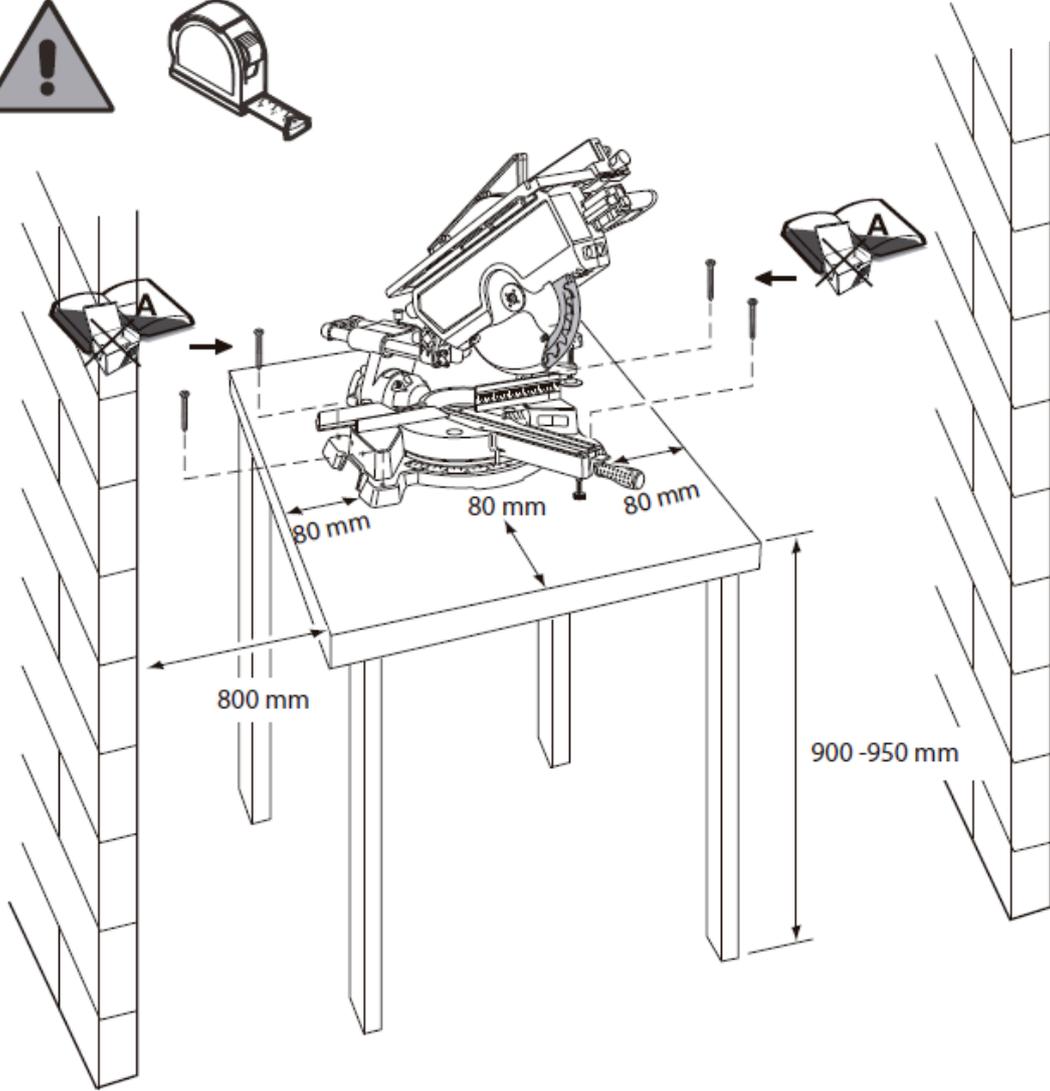
Product description

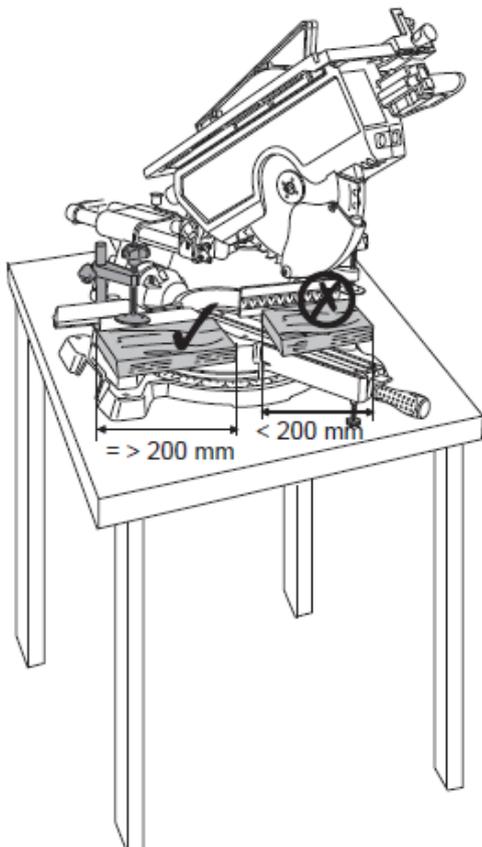
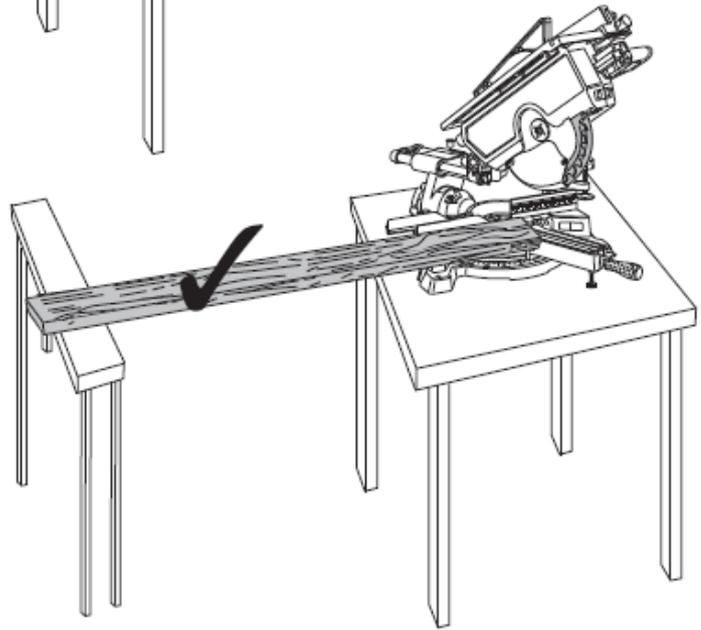
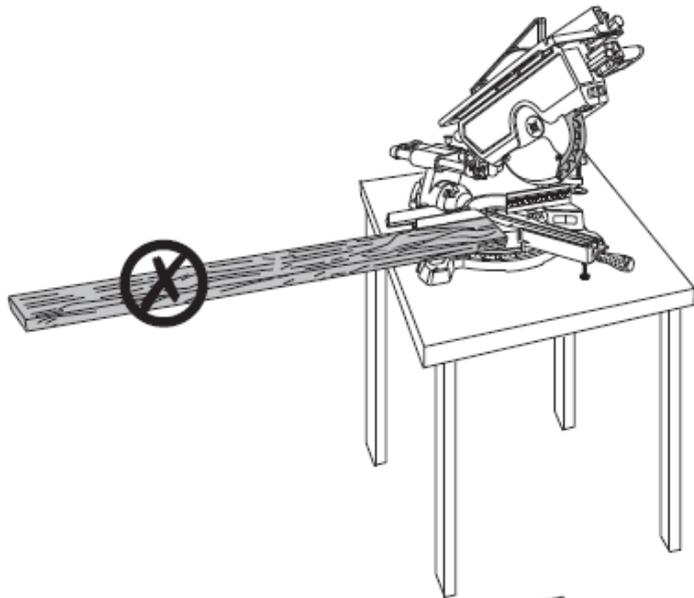
1. control knob
2. Power switch
3. base
4. Body/base swivel joint
5. Rotating bracket
6. Engine
7. Disk
8. Angle release lever
9. Saw lock button
10. Disc fixed guard
11. Disc mobile guard
12. Work piece holder
13. Dust collector
14. Support bracket
15. Upper tray
16. Superior mobile protection
17. Upper cutting guide
18. Support feet
19. Lock pin
20. Pusher
21. Lower cutting guide
22. Disc lower guard
- 24 and 25. User manual

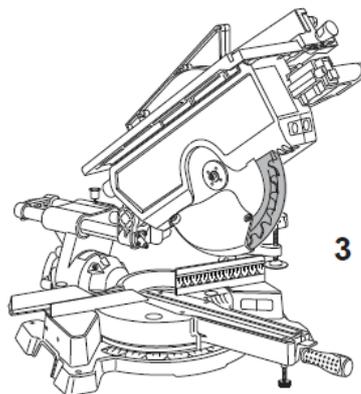
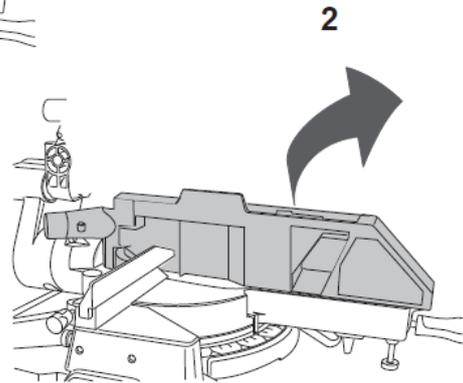
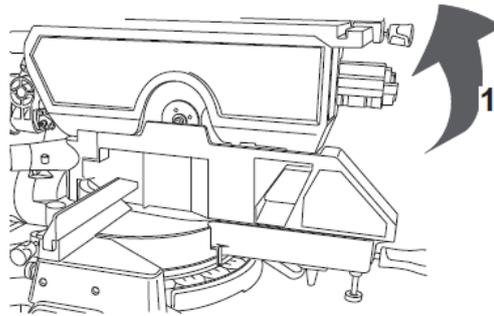
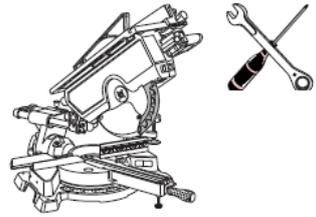
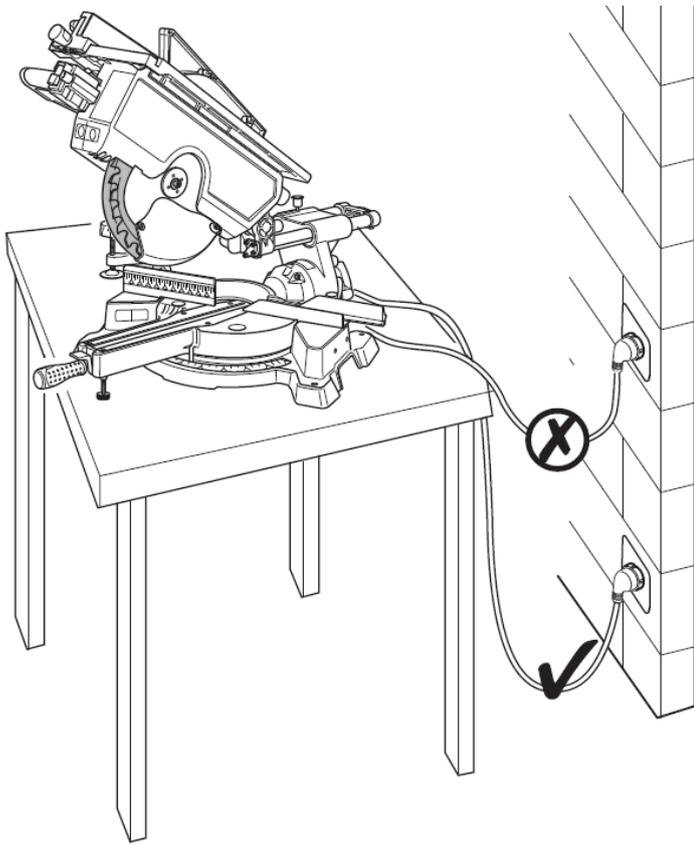


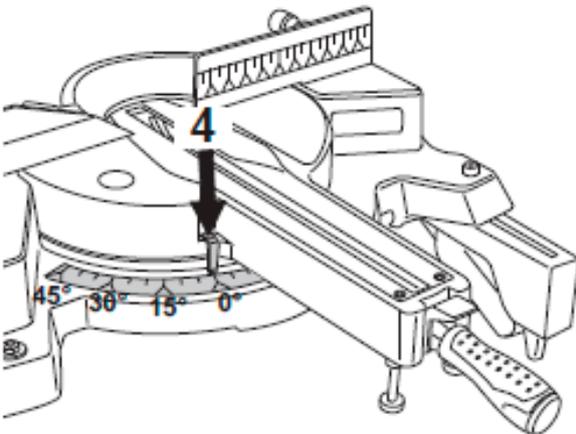
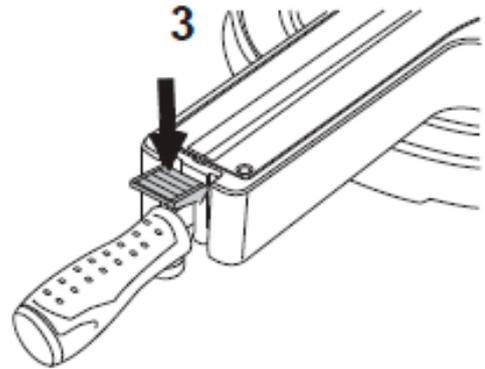
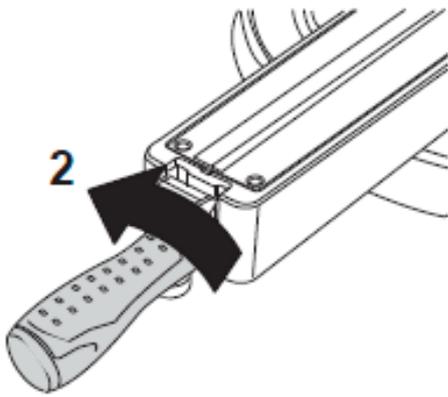
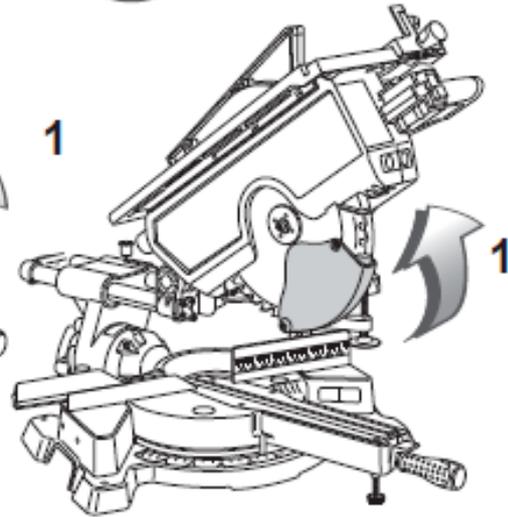
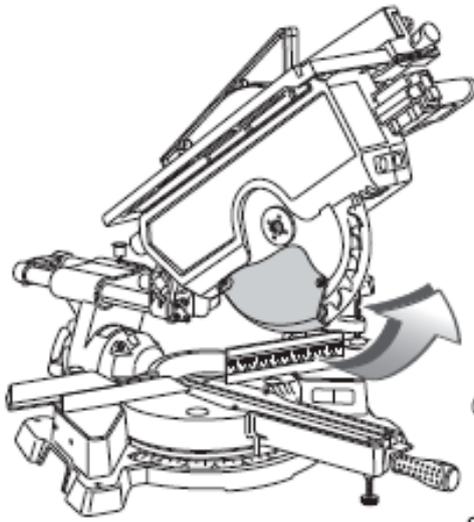




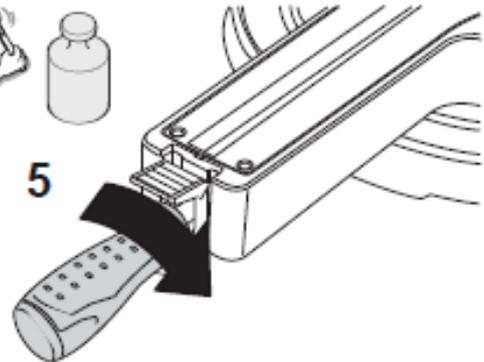


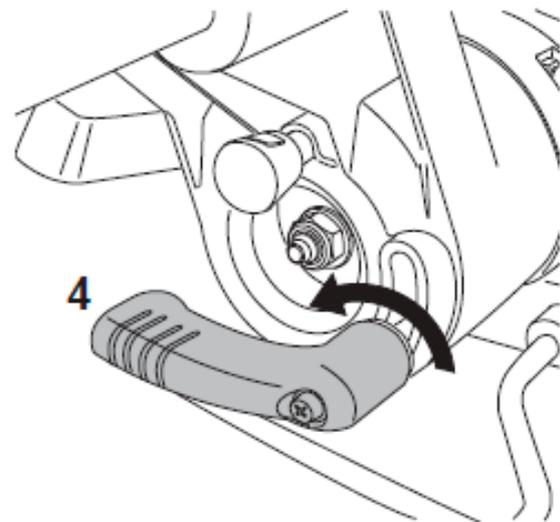
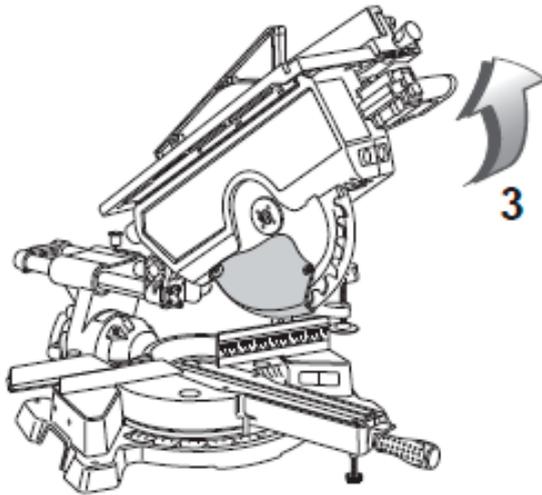
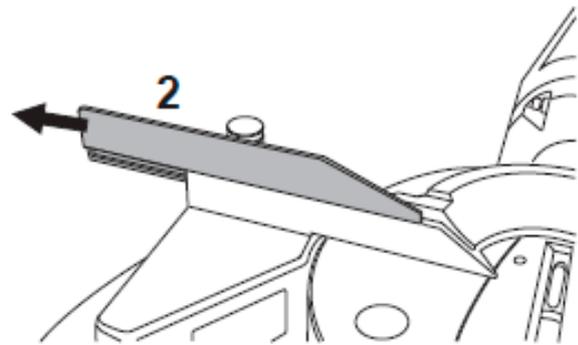
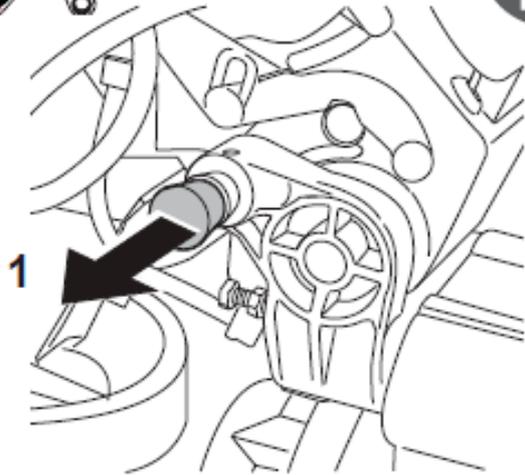
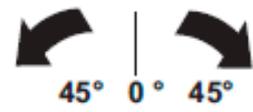


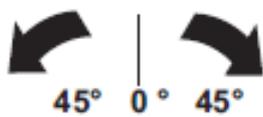




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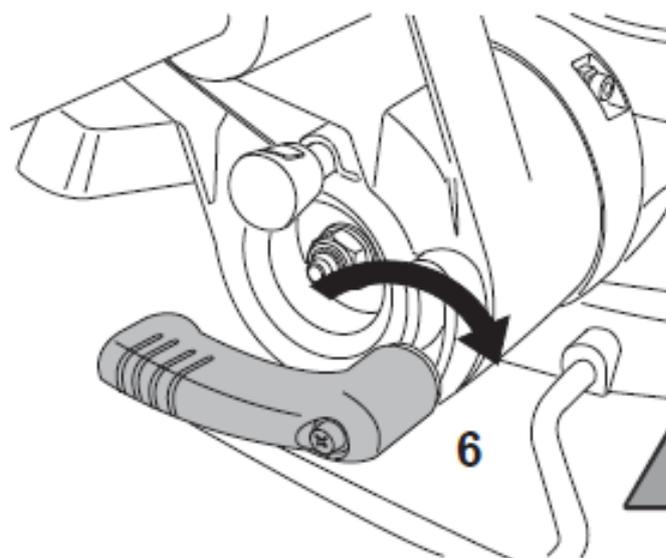
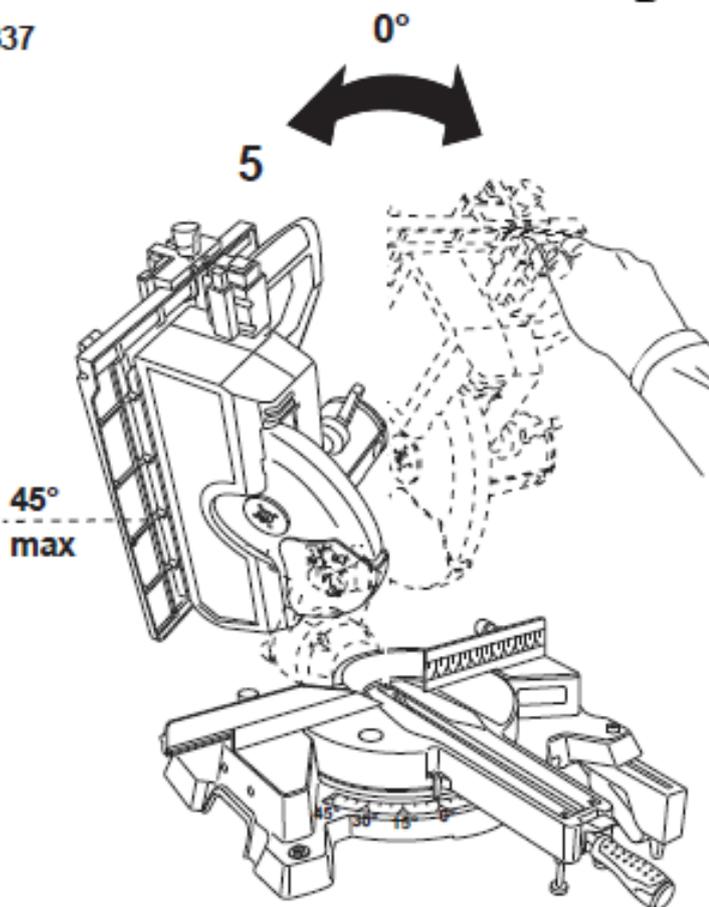
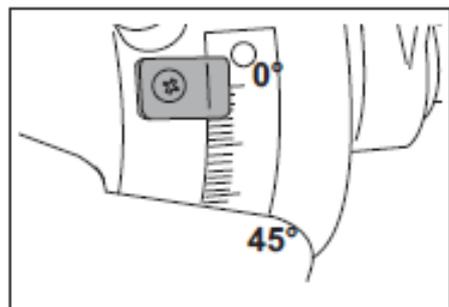


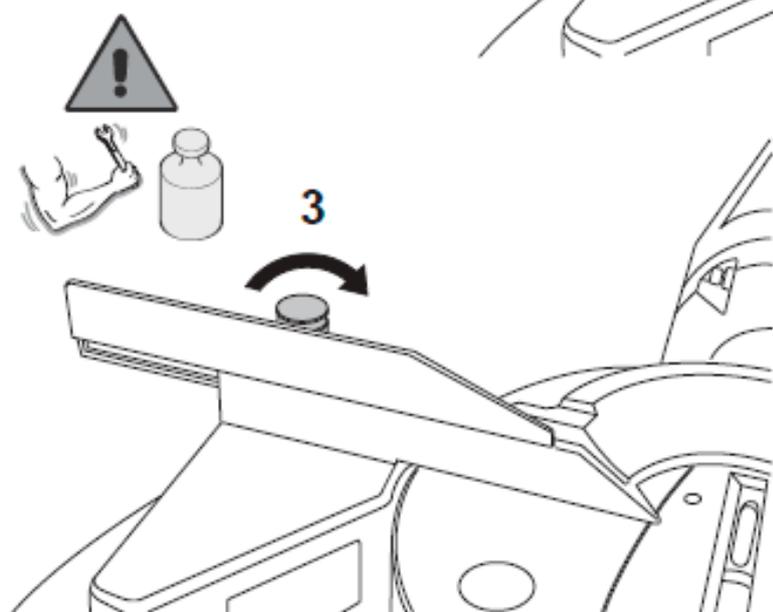
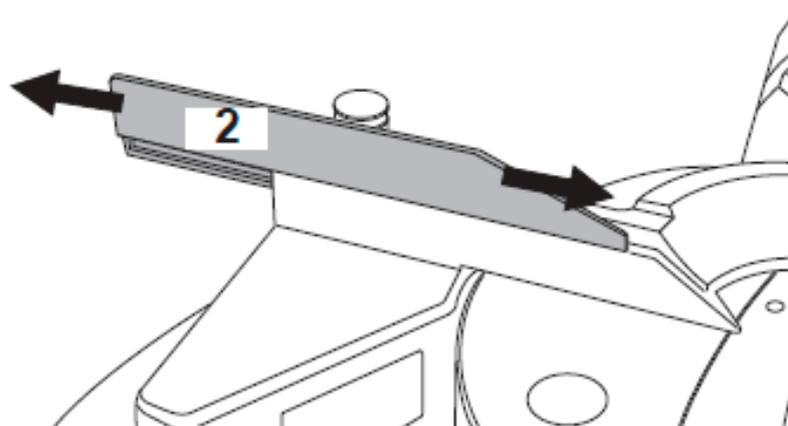
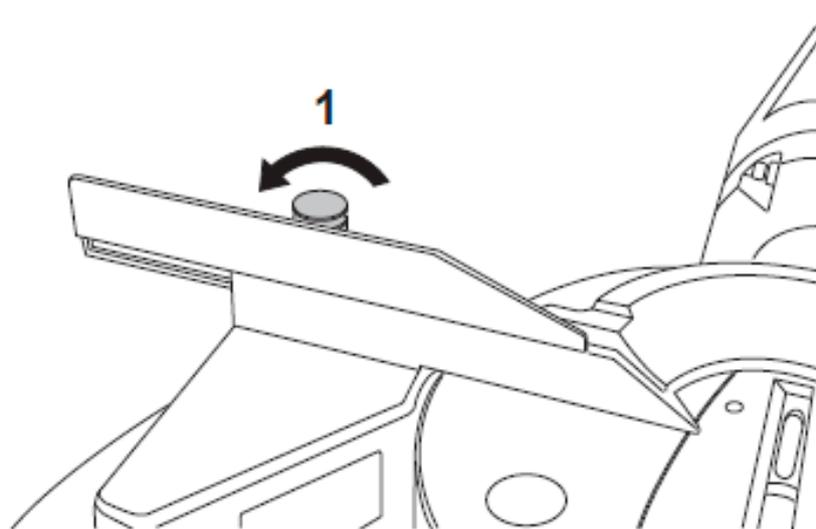


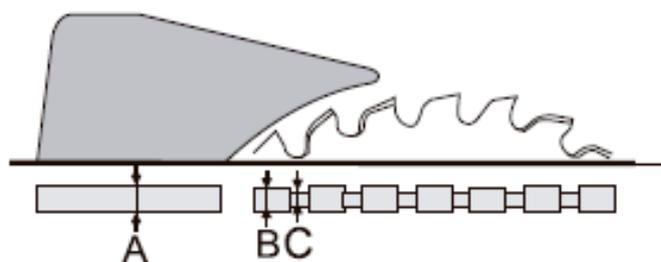
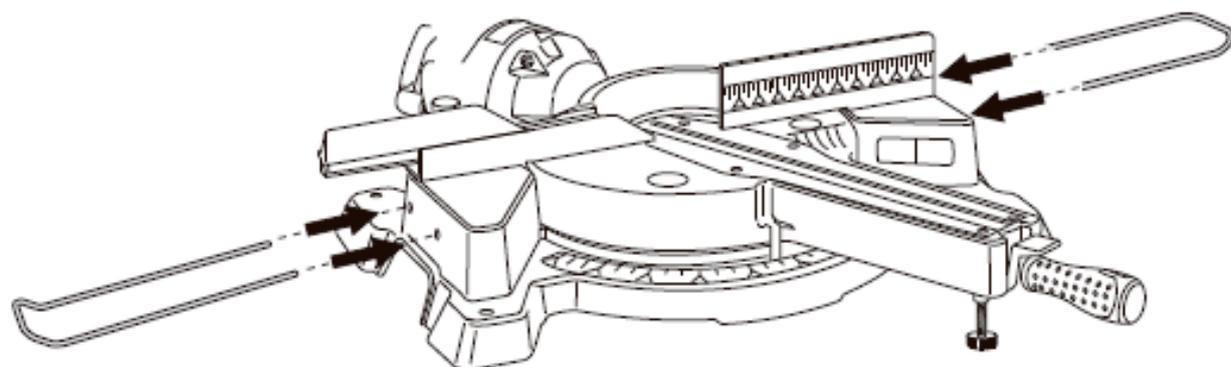
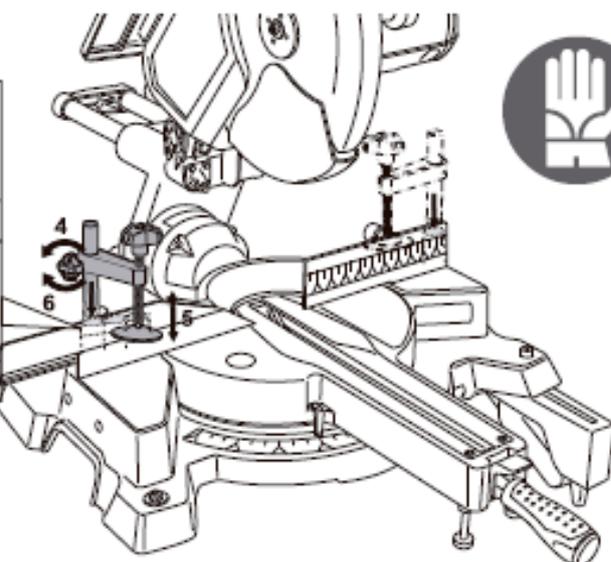
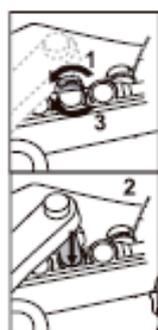


0° - 45°

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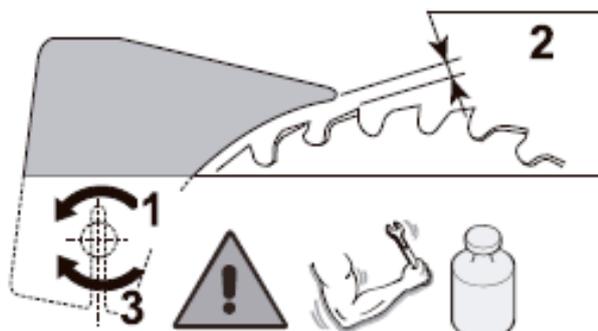


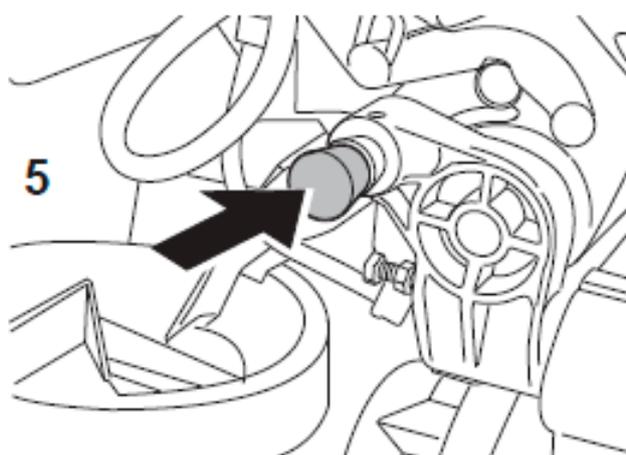
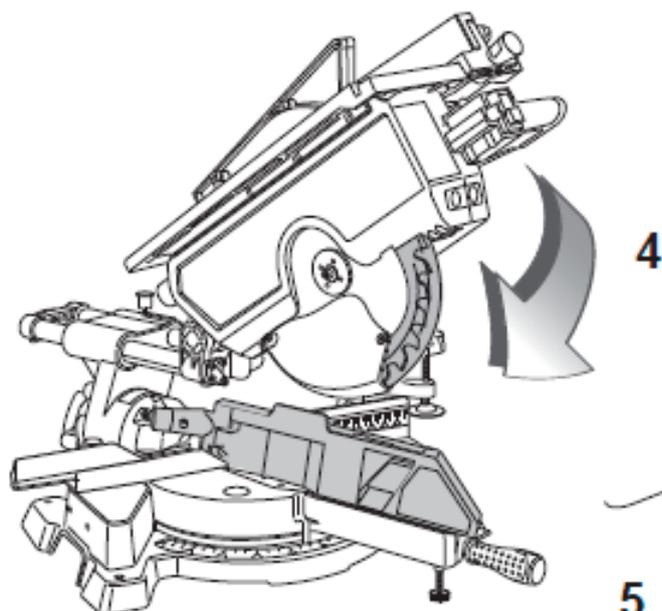
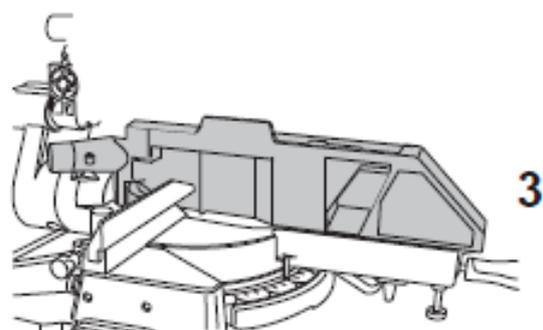
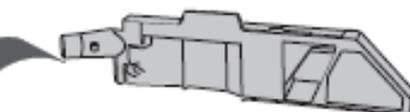
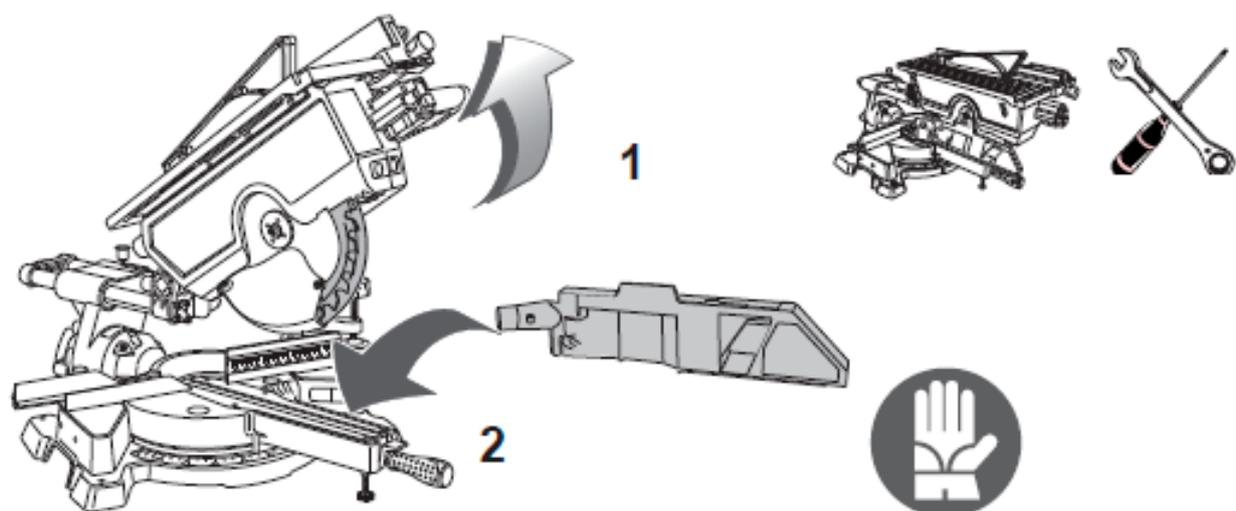


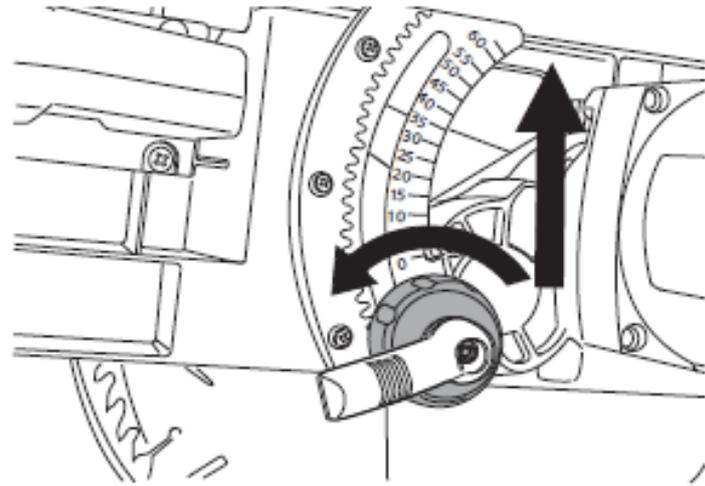
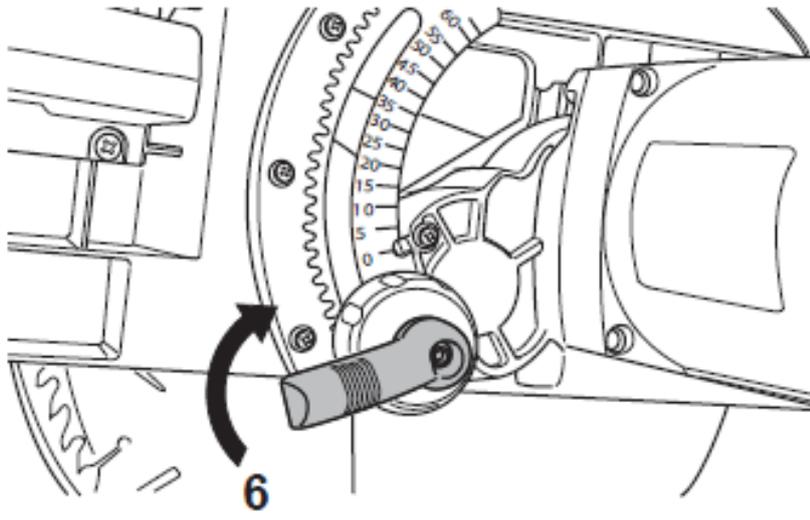
✓ $A < B$
 $A > C$

✗ $A > B$
 $A < C$

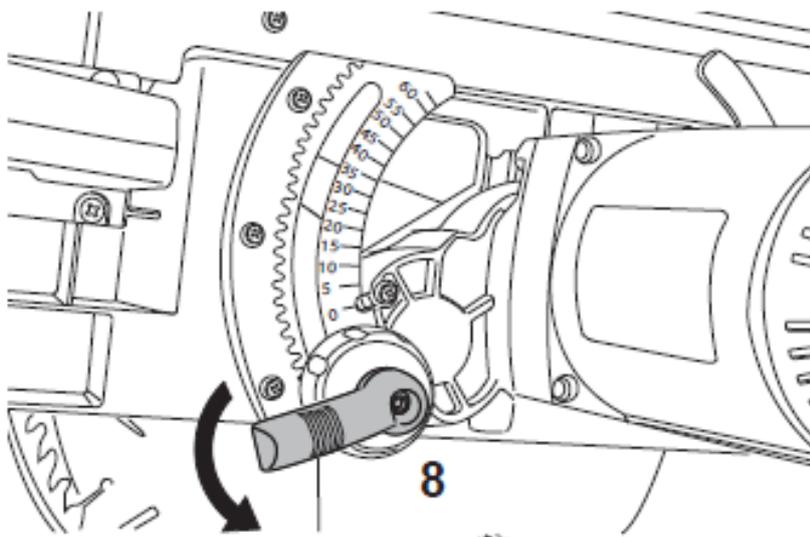
$> 3 < 8 \text{ mm}$



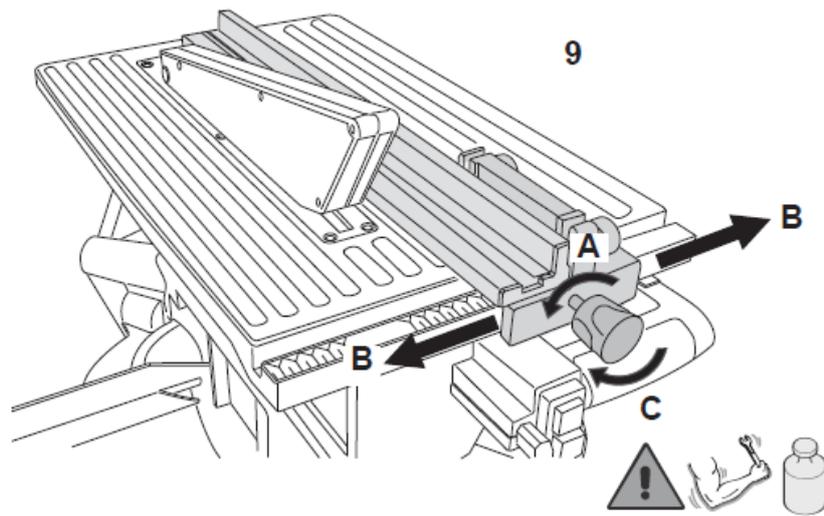




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8



Miter use

This machine has been designed and manufactured for cutting operations in miter saw or bench saw mode.

- **Bench saw mode:** seasoned wood
- **Miter saw mode:** seasoned wood, plastic materials, aluminum and its alloys

This miter saw should not be used for:

- Operate on ferrous materials.
- Operate on organic materials and/or food.
- Operate on materials that can release toxic substances during the cutting process.
- Cutting wet wood when using the machine in bench saw mode.
- Use the machine when the safety protections are not in place.
- Use high speed steel blades.
- Use the machine to make blind cuts.
- Cut metallic material when using the machine in circular saw mode.



This machine is not suitable for use in potentially explosive environments.

Residual risks

	Danger of shearing and/or cutting
	Entanglement, dragging and entrapment hazard → Precautions to take: - During the cutting phase do not wear work gloves. - Keep your hands away from the work area. - Never remove clippings or fragments from the machine when the blade is rotating.
	crush hazard → Precautions to take: - Keep your hands away from the head rotation area. - Keep your face away from the cutting area. - Never bring your hands close to the cutting area until the head has returned to its maximum height and the blade has come to a complete stop. - To avoid breaking the blade, reduce pressure as soon as the blade contacts the workpiece. - Reduce the cutting pressure to safeguard the machine.

Noise information

Noise values indicated are emission levels and not necessarily safe operating levels. While there is a correlation between emission levels and exposure levels, this cannot be reliably used to determine whether or not further safety precautions are needed.

Factors influencing a worker's actual level of exposure include the duration of exposure which may be set differently from country to country. However, this information helps the user of the machine to better assess hazards and risks.



It is recommended to use adequate hearing protection such as ear muffs or ear plugs.

Electromagnetic compatibility information

The electromagnetic emissions of the machine do not exceed the limits defined by the standards relating to the intended conditions of use.



Check that the power system is equipped with a thermomagnetic circuit breaker to protect all conductors from short circuits and overloads.

Vibrations

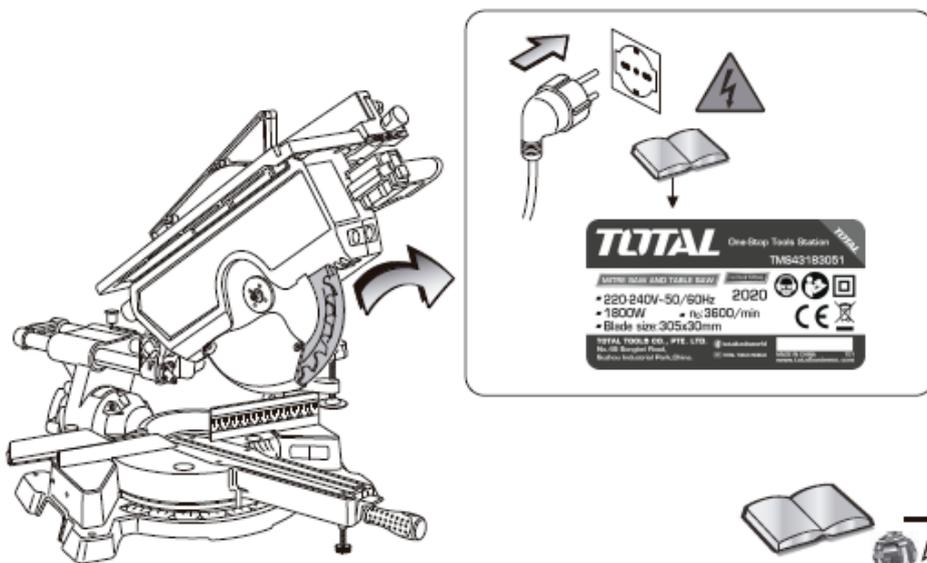
The weighted average frequency rms hand-arm acceleration value under normal cutting conditions using properly sharpened blades is less than 2.5 m/sec².

Test measurements were performed in accordance with EN ISO 5349-1 and EN ISO 5349-2.

The vibrations during the actual use of the machine may differ from those declared, since the total vibration value depends largely on how the machine is used.

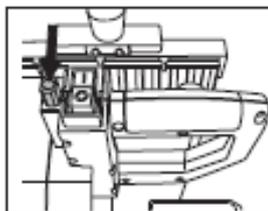
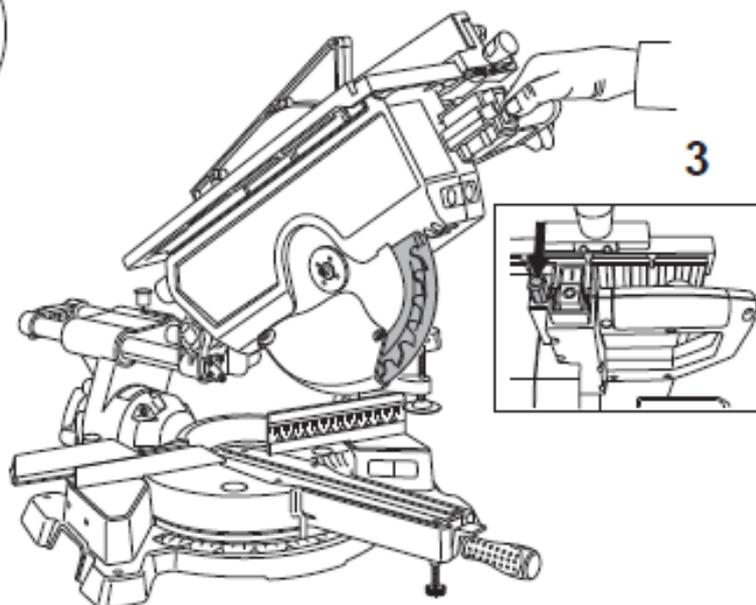
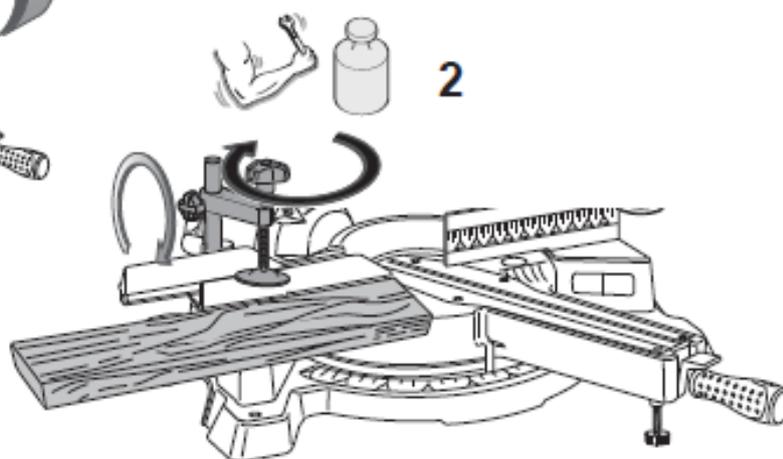
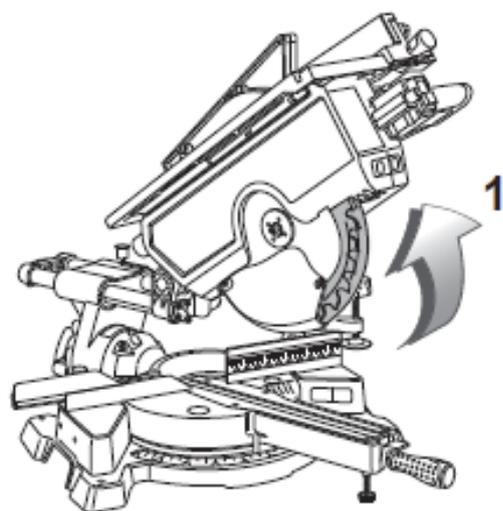


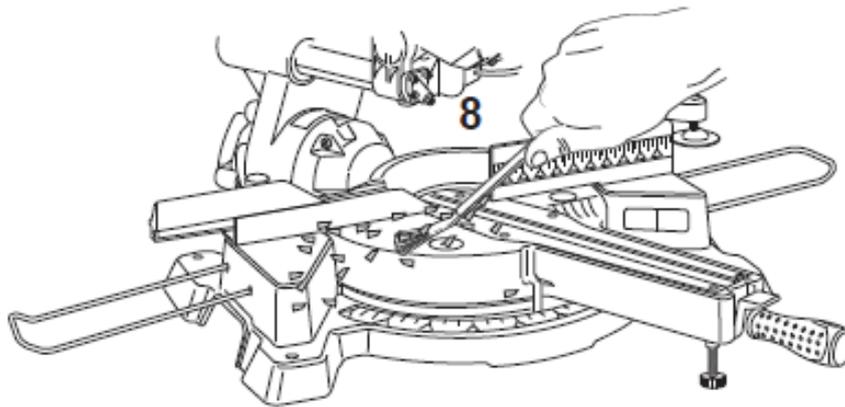
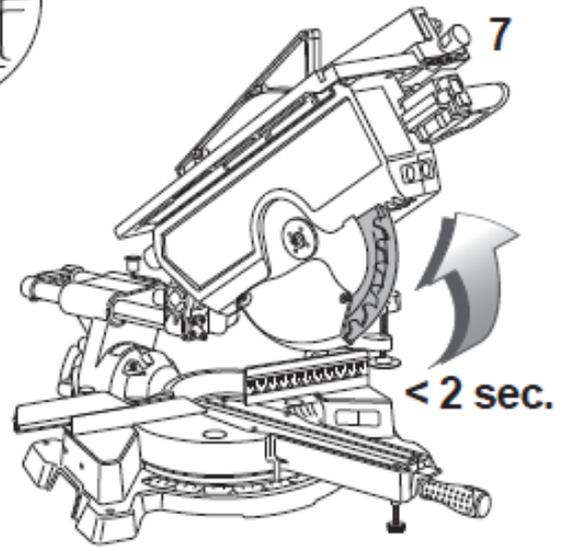
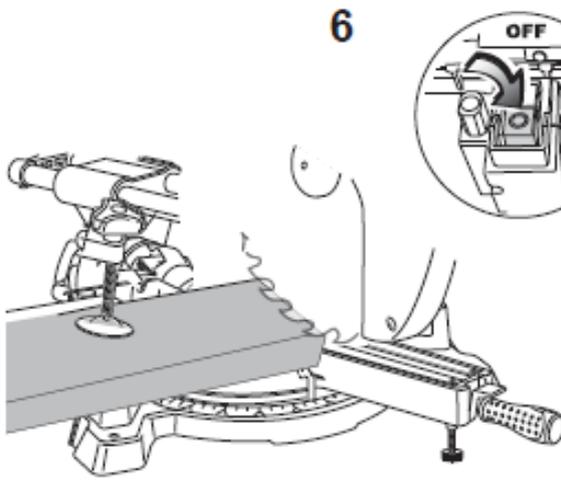
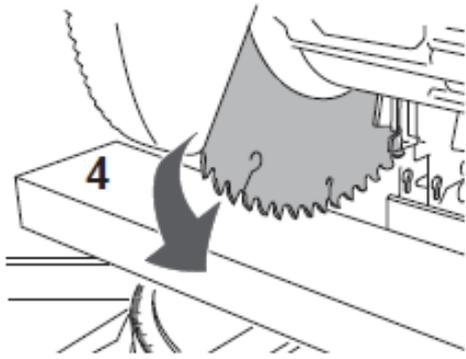
Therefore, it is necessary to identify the most appropriate security measures to safeguard the operator based on the estimated exposure times and the actual conditions of use.





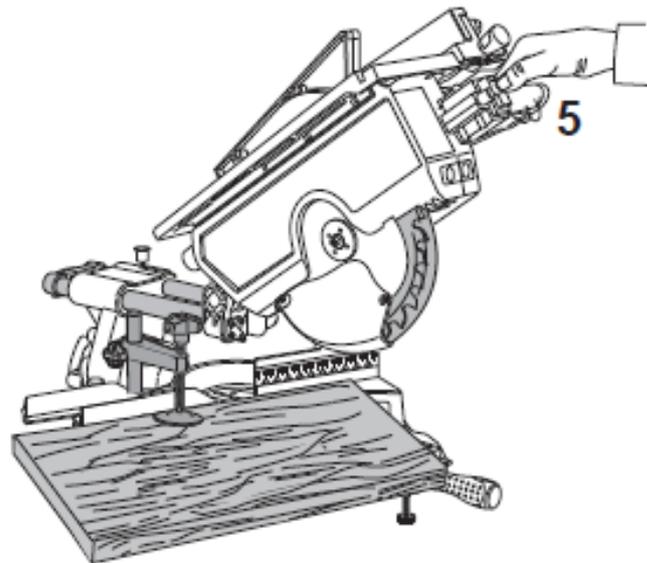
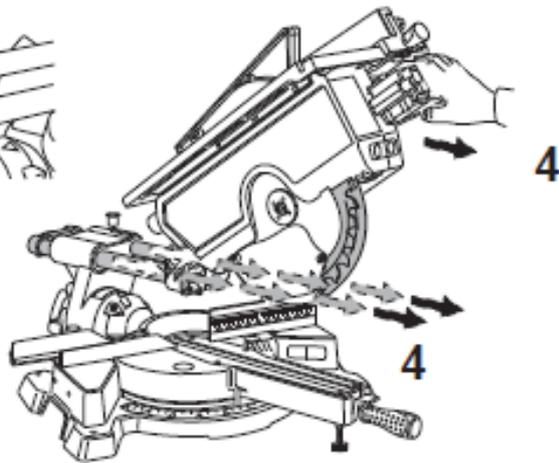
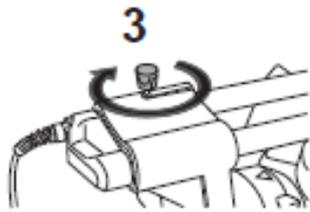
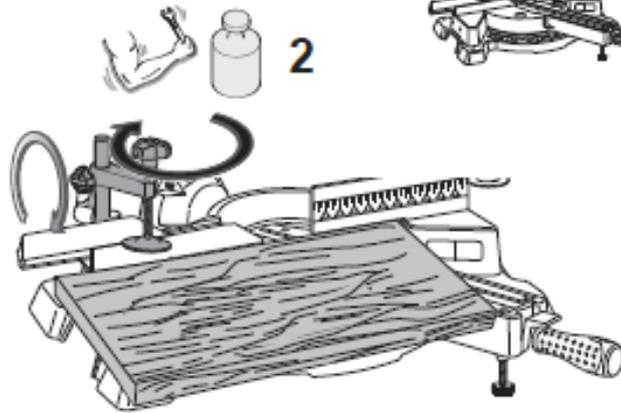
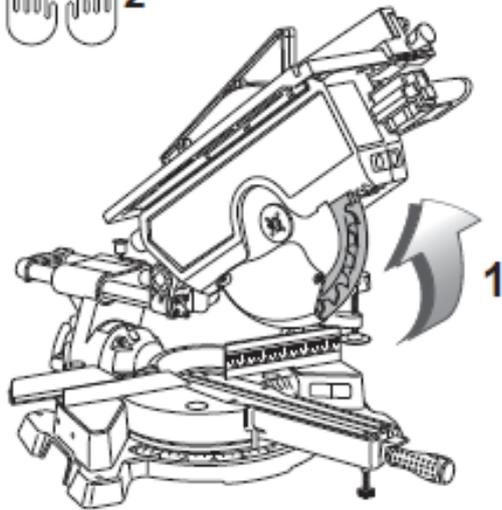
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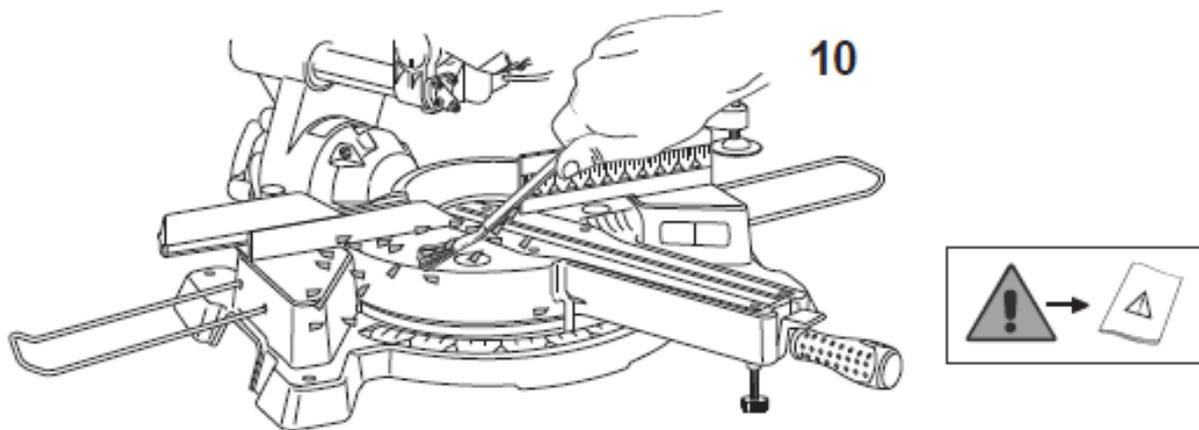
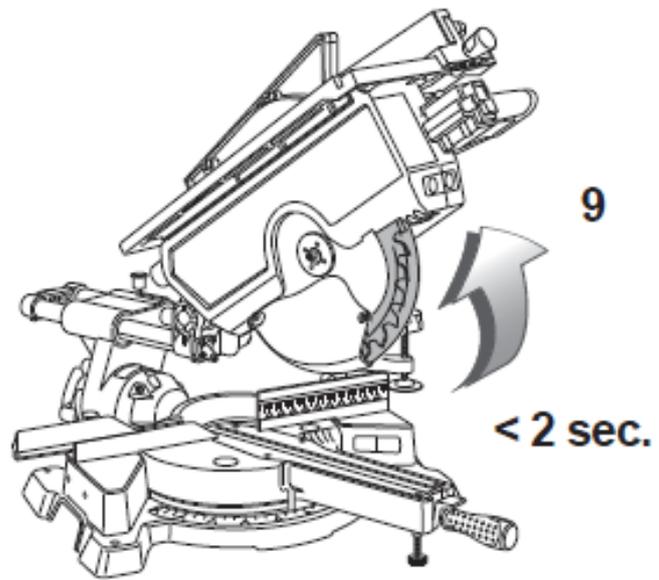
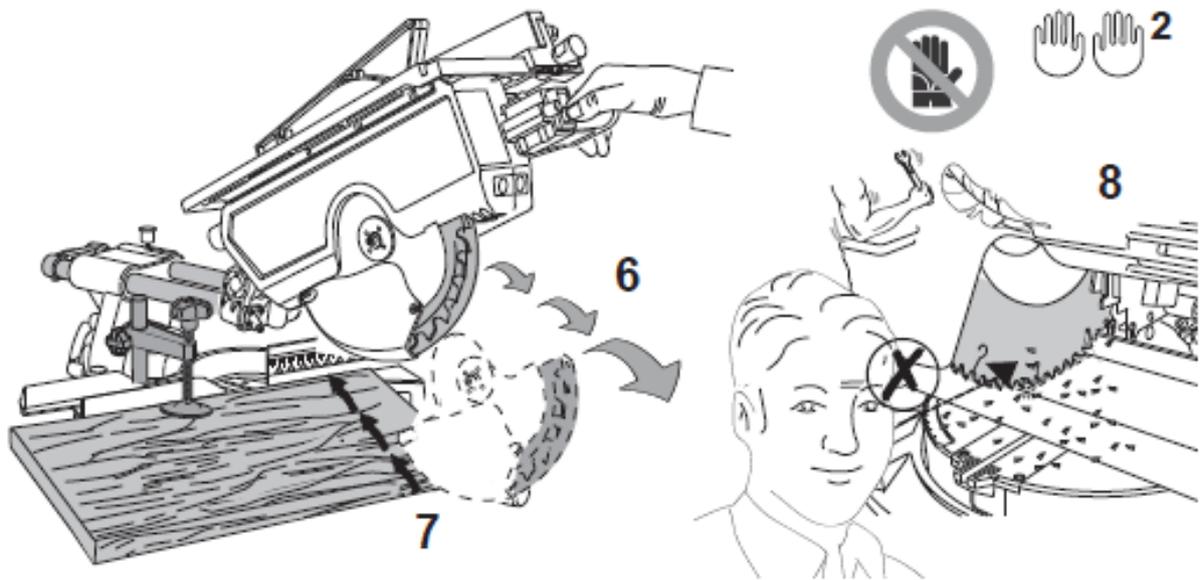






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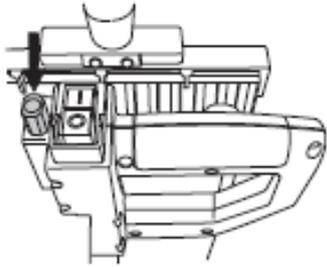




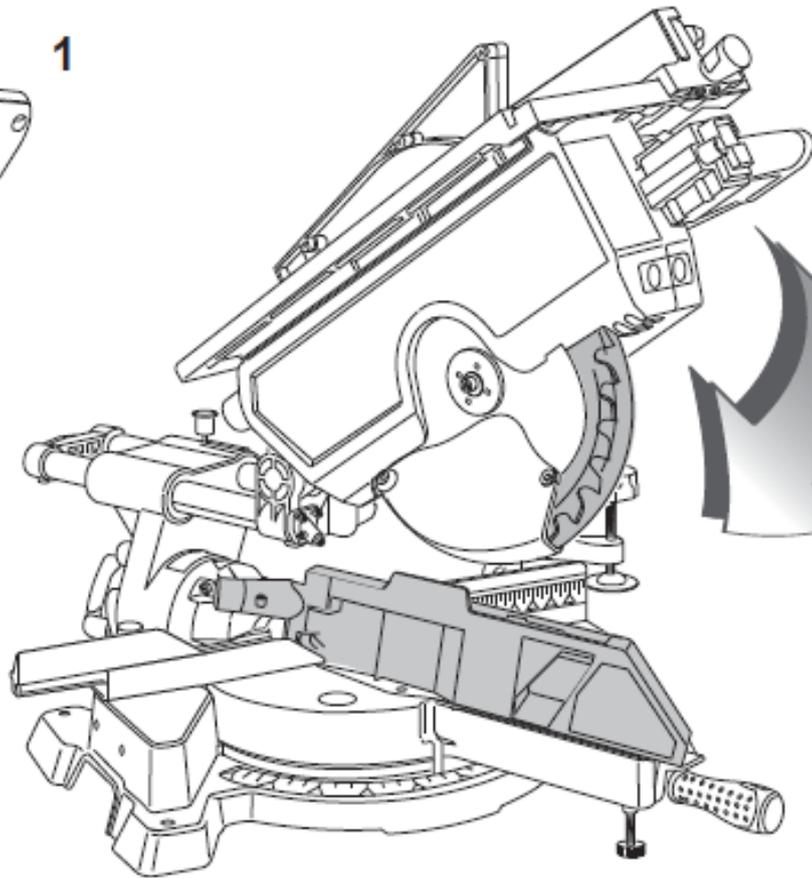


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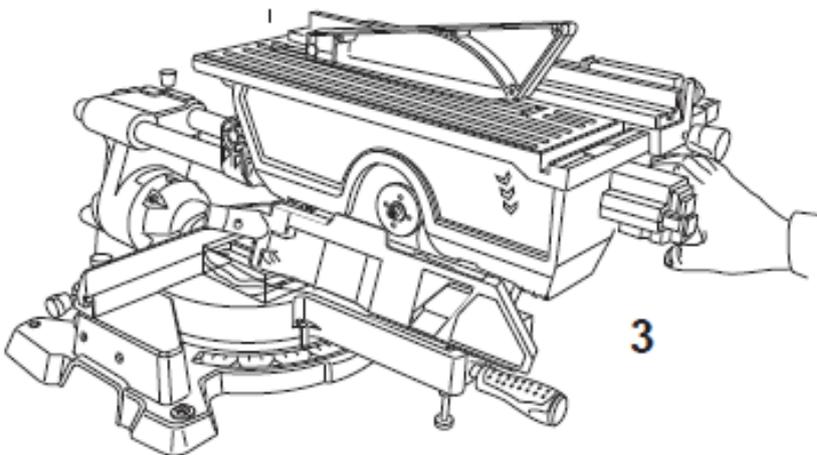
3D



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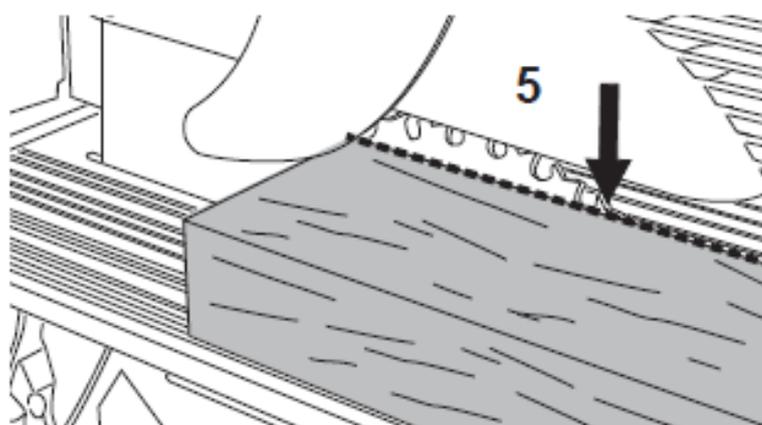
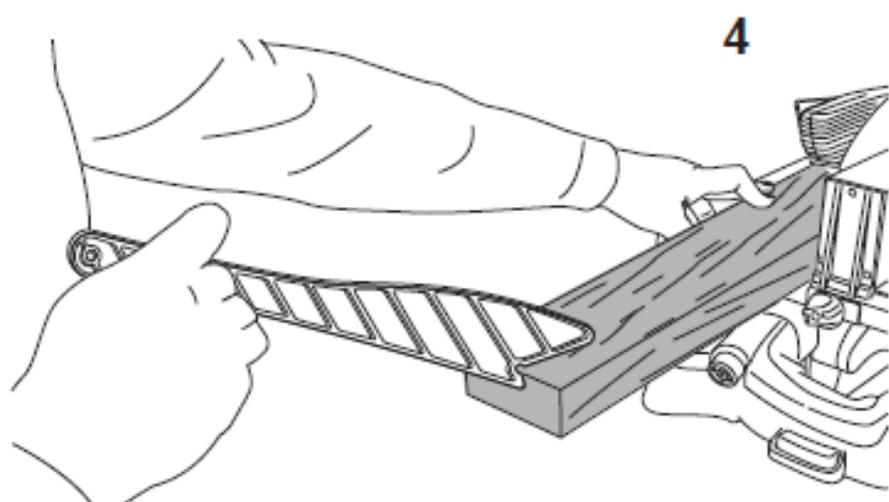


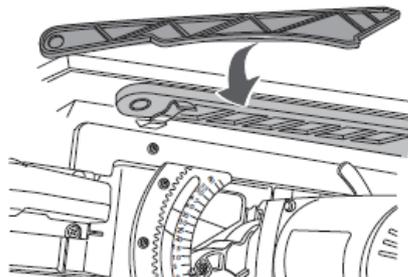
2



3







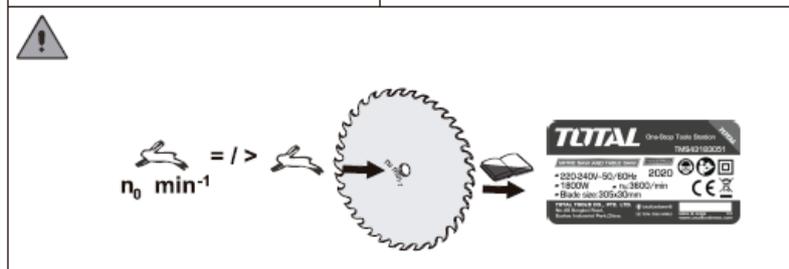
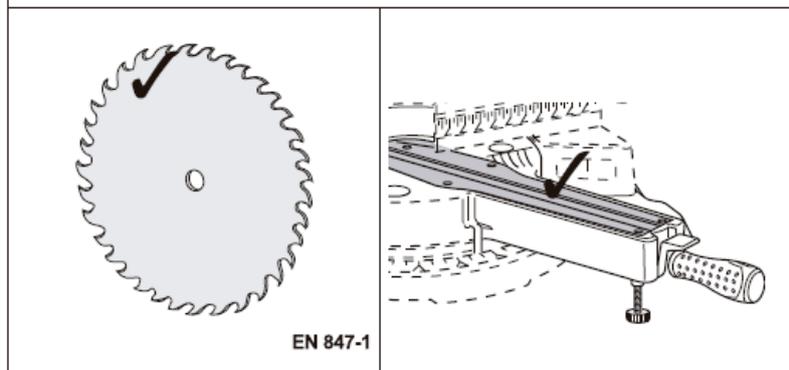
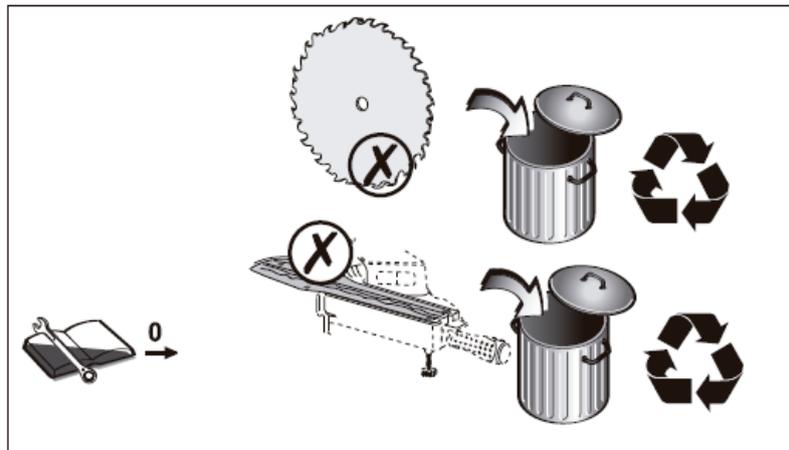
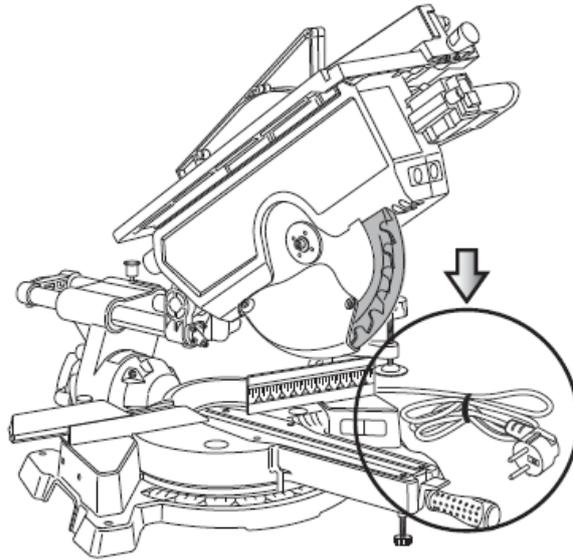
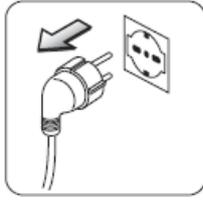
Maintenance

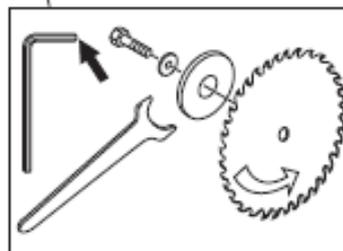
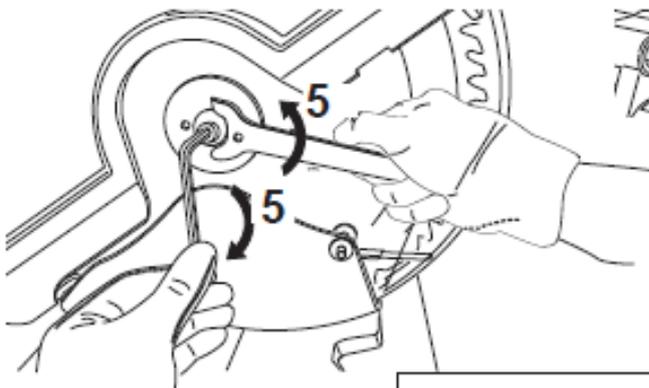
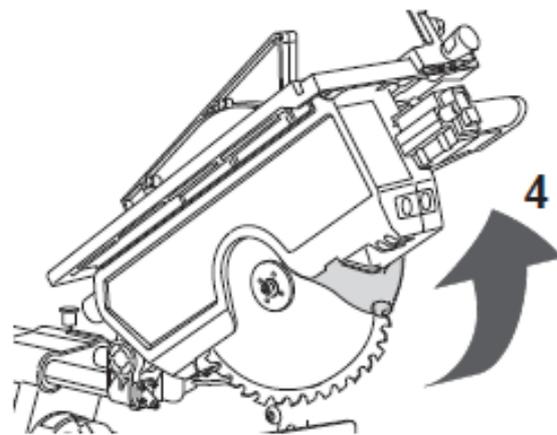
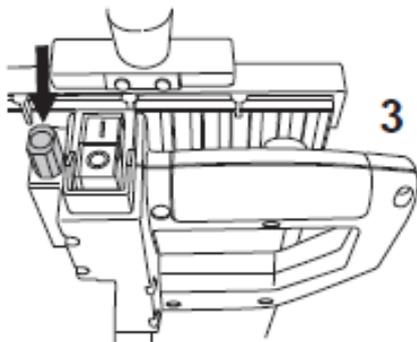
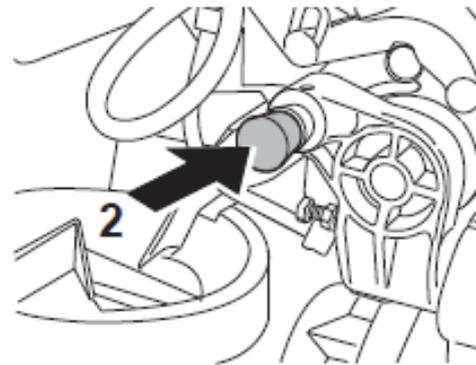
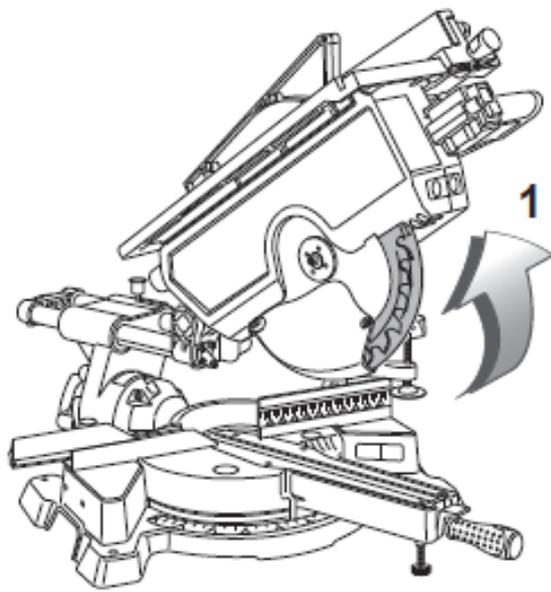
Maintenance

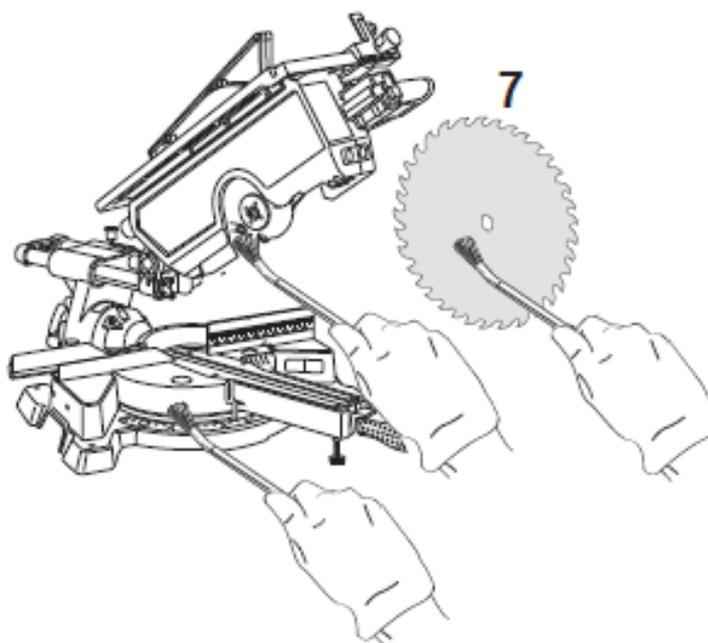
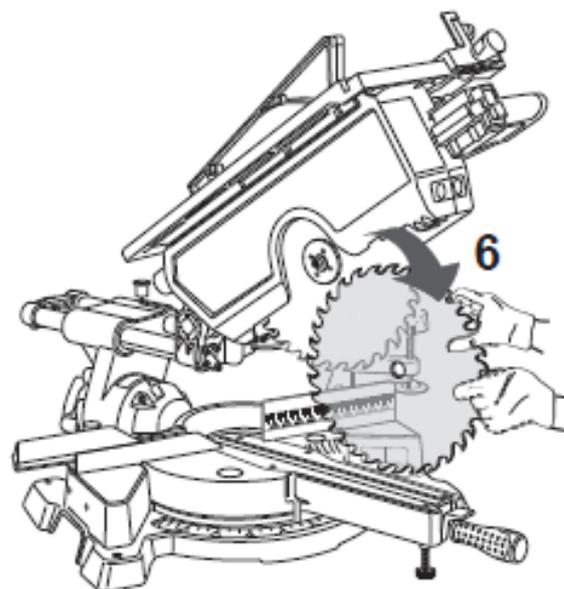
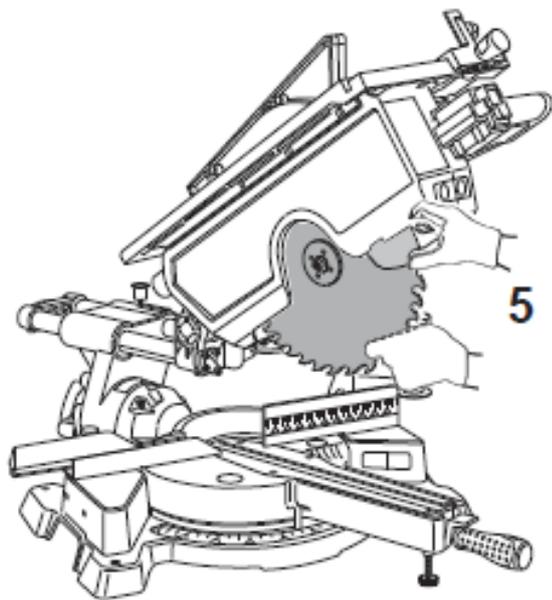
Before carrying out any maintenance work, stop the machine and let it cool down.

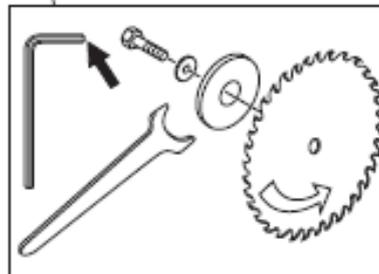
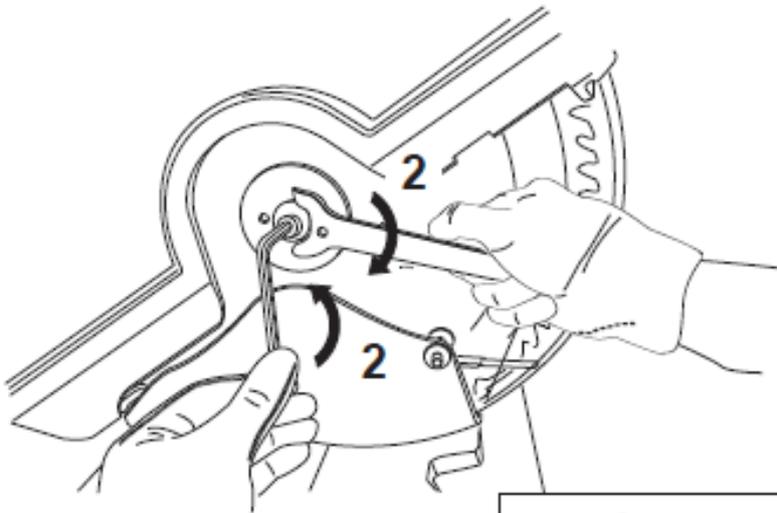
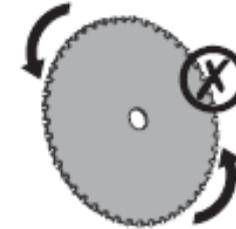
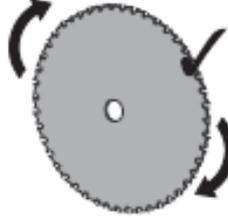
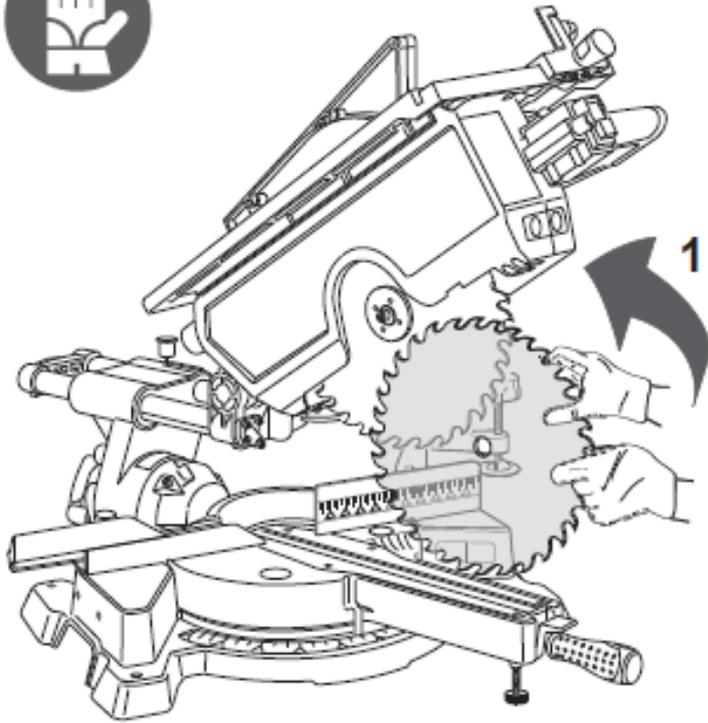


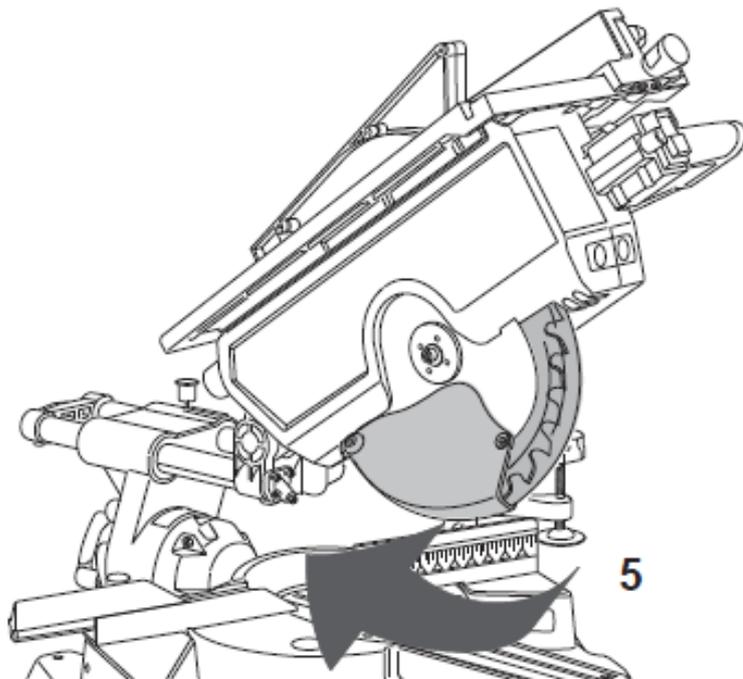
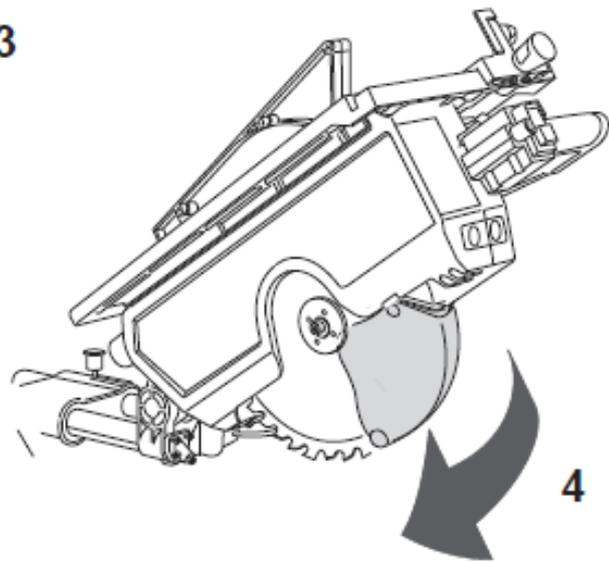
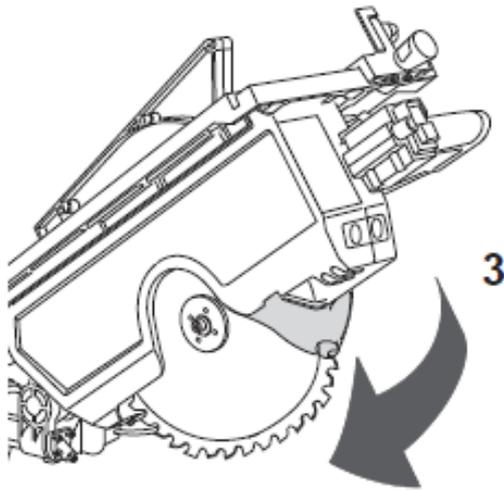
- Wear protective gloves.
- Check the compatibility of the blade used.
- Check the compatibility of the new blade.
- Verify that the protections are in good condition and working.













Cleaning

Before carrying out any maintenance work, stop the machine and let it cool down.

- Wear protective gloves.
- Use adequate respiratory protection PPE.
- Avoid the use of compressed air jets.

When necessary:

1. Remove chips or work debris from around the cutting area and work surfaces with a small brush or vacuum.
2. Remove the filter from the dust extractor and clean it by tapping it lightly.

Newspaper:

1. Remove work debris and dust from the machine, including the power cord, with a small brush or vacuum cleaner.
2. Always keep the work area around the machine, including the floor, clean and tidy.

Once a week:

Disconnect the filter or exhaust pipe and clean it thoroughly with a vacuum cleaner.



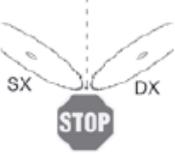
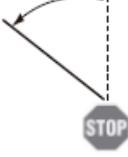
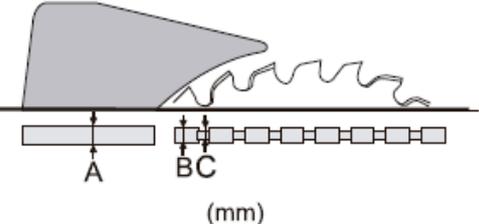
Verifications

Newspaper:

1. Check that the power cord is intact and in good condition.
2. Check that all protectors are intact.
3. Check that the blade is in good condition and shows no signs of wear.
4. Check that the blade stops within 10 seconds of releasing the button.
5. Check that the arm spring allows the arm to rise again to the mechanical stop in a maximum time of 2 seconds.

 (W)	 (V/Hz)	 (n 1/min)	 (kg)	 mm	 ISO EN 3746
1800	220-240V~ 50/60Hz	3600	28	D305-d30 EN 847-1	mm 40x40x2 L _p 96,0 dB(A) L _p ^w 108,0 dB(A) K _{PA} ^w 3 dB

 A	 90° (mm)	 45° DX - SX (mm)	 45° SX (mm)	 45° SX (mm)
(A) 53	(A)305 x (B)90	(A)215 x (B)90	(A)305 x (B)60	(A)215x (B)60

		
50° sx - 60° dx	45°	A = 1,6 + 2,0 B = 2,5 + 3,5 C = 1,6 + 2,0 (mm)

Problem solving

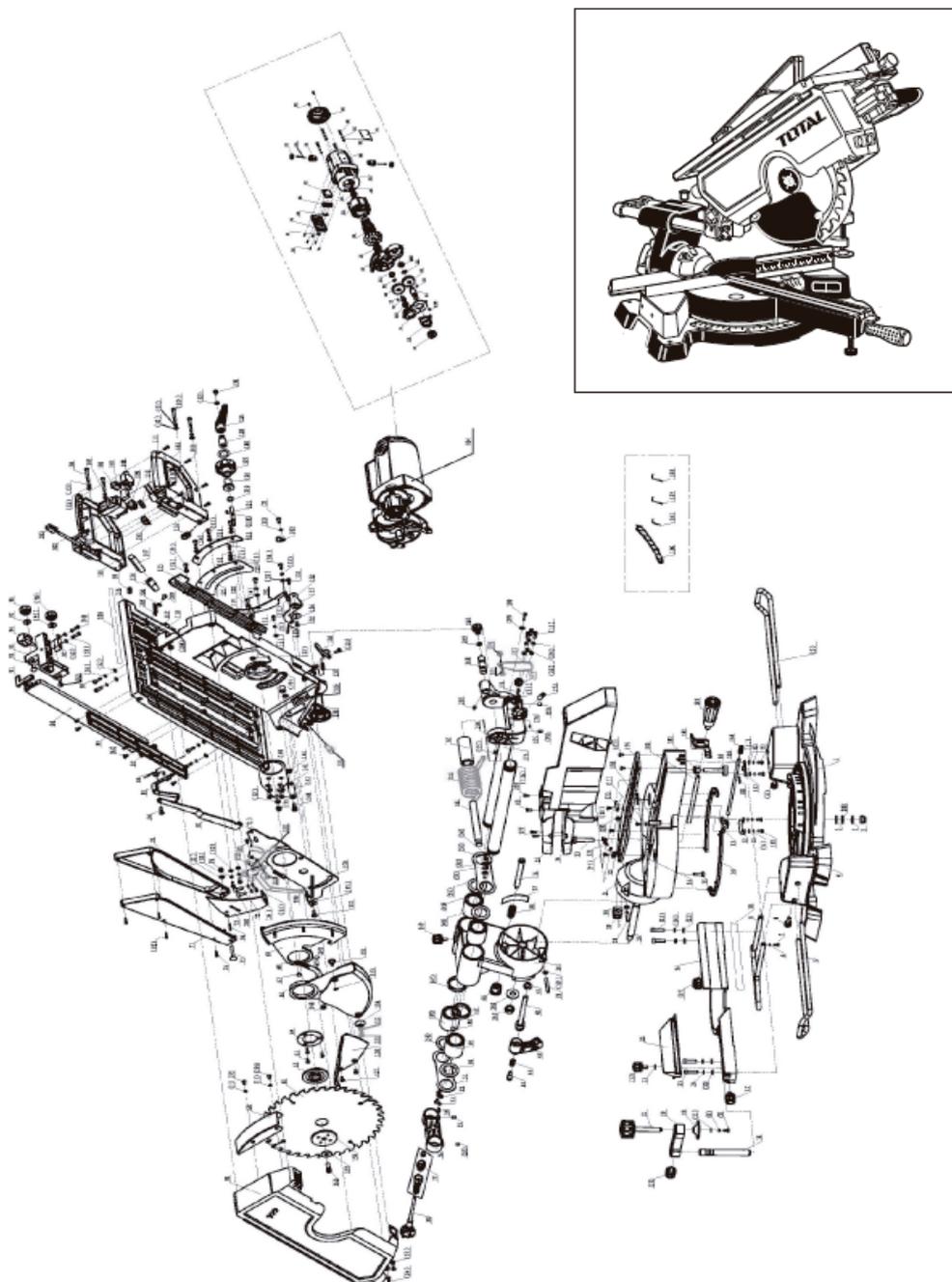
Problem solving		
Problem/Failure	Possible cause	Suggested Solution
The engine does not work properly	<ol style="list-style-type: none"> 1. Defective motor, power cord, or plug. 2. Fuses blown. 3. Damaged brushes (for version with brushes). 	<ol style="list-style-type: none"> 1. Have the machine checked by specialized personnel. ⚠ WARNING: Do not try to repair the motor yourself, it is dangerous. 2. Check the fuses and replace them if necessary. 3. Entrust the replacement of the brushes to specialized personnel.
Engine starts slowly or does not come up to operating speed	<ol style="list-style-type: none"> 1. Low supply voltage 2. Damaged windings. 	<ol style="list-style-type: none"> 1. Ask the power company to check the available voltage. 2. Have the engine of the machine checked by expert personnel
The motor makes too much noise	<ol style="list-style-type: none"> 1. Faulty engine. Damaged coils. 	<ol style="list-style-type: none"> 1. Have the engine of the machine checked by an official dealer.
Engine does not reach full power	<ol style="list-style-type: none"> 1. Mains circuits are overloaded by lights, utilities, or other motors. 	<ol style="list-style-type: none"> 1. Avoid using utilities or other motors on the same circuit that the machine is connected to.
Engine tends to overheat	<ol style="list-style-type: none"> 1. Motor overload 2. Insufficient motor cooling 	<ol style="list-style-type: none"> 1. Avoid overloading the motor during cutting operations. 2. Remove dust from motor for proper cooling air flow.
Reduced cutting capacity	<ol style="list-style-type: none"> 1. The blade has been sharpened many times thus reducing its diameter 	<ol style="list-style-type: none"> 1. Set the limit switch for head down.
Cut finish is rough or uneven	<ol style="list-style-type: none"> 1. The blade is worn or the teeth are not suitable for the thickness of the material being cut 	<ol style="list-style-type: none"> 1. Have the blade sharpened by a specialized company. 2. Check that the blade teeth are suitable.
Splintering of the cut piece	<ol style="list-style-type: none"> 1. The blade teeth are not suitable for the workpiece being cut. 	<ol style="list-style-type: none"> 1. Check the correct teeth to be used.

**Note: If you continue to experience failures or problems, please contact your official Total dealer.*

Environment

- Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.
- Contact your local authority for information on available collection systems.
- If electrical appliances are disposed of in landfills, hazardous substances can seep into the groundwater and enter the food chain, harming your health and well-being.

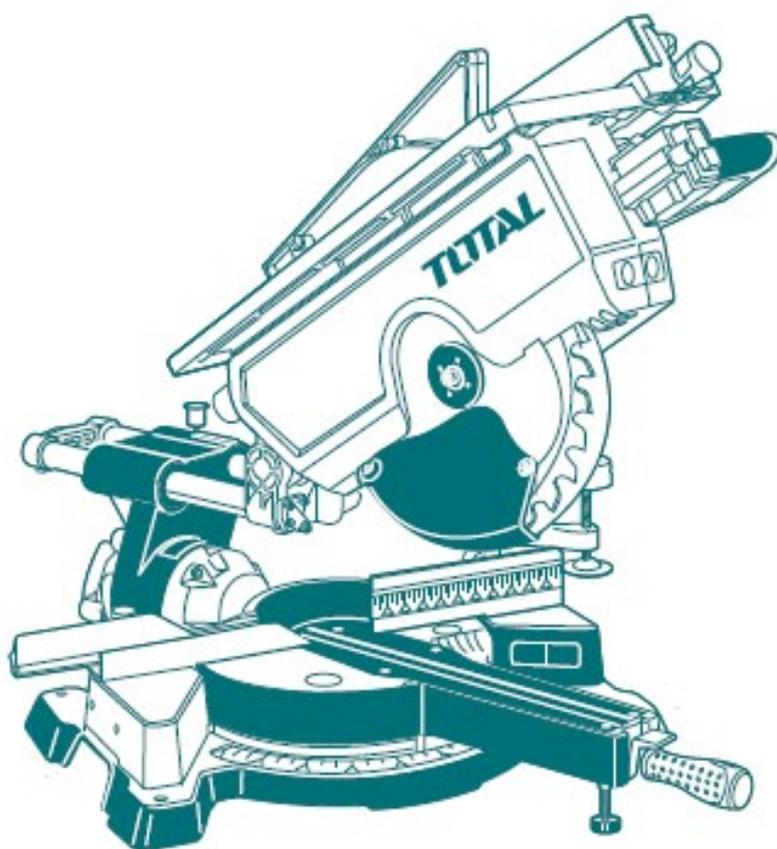
Exploded view



TOTAL

One-Stop Tools Station

TOTAL



MITER SAW

1800W