

Polymak[®]

MITER SAW

255mm

INSTRUCTION MANUAL

Polymak[®]

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Read and follow all safety precautions in instruction manual

SPECIFICATIONS

Blade diameter : 255 mm (10")

Hole diameter :25.4 mm (1")

Max. Cutting capacities (H x W)

Bevel angle	Miter angle	
	0°	45° (left and right)
0°	100 mm x 110 mm	90 mm x 110 mm
45° (left)	100 mm x 85 mm	46 mm x 86 mm

No load speed (RPM) :4500/min.

Dimensions (L x W x H) : 600 mm x 435 mm x 420 mm

- Manufacturer reserves the right to change specifications without notice.
- Specifications may differ from country to country.

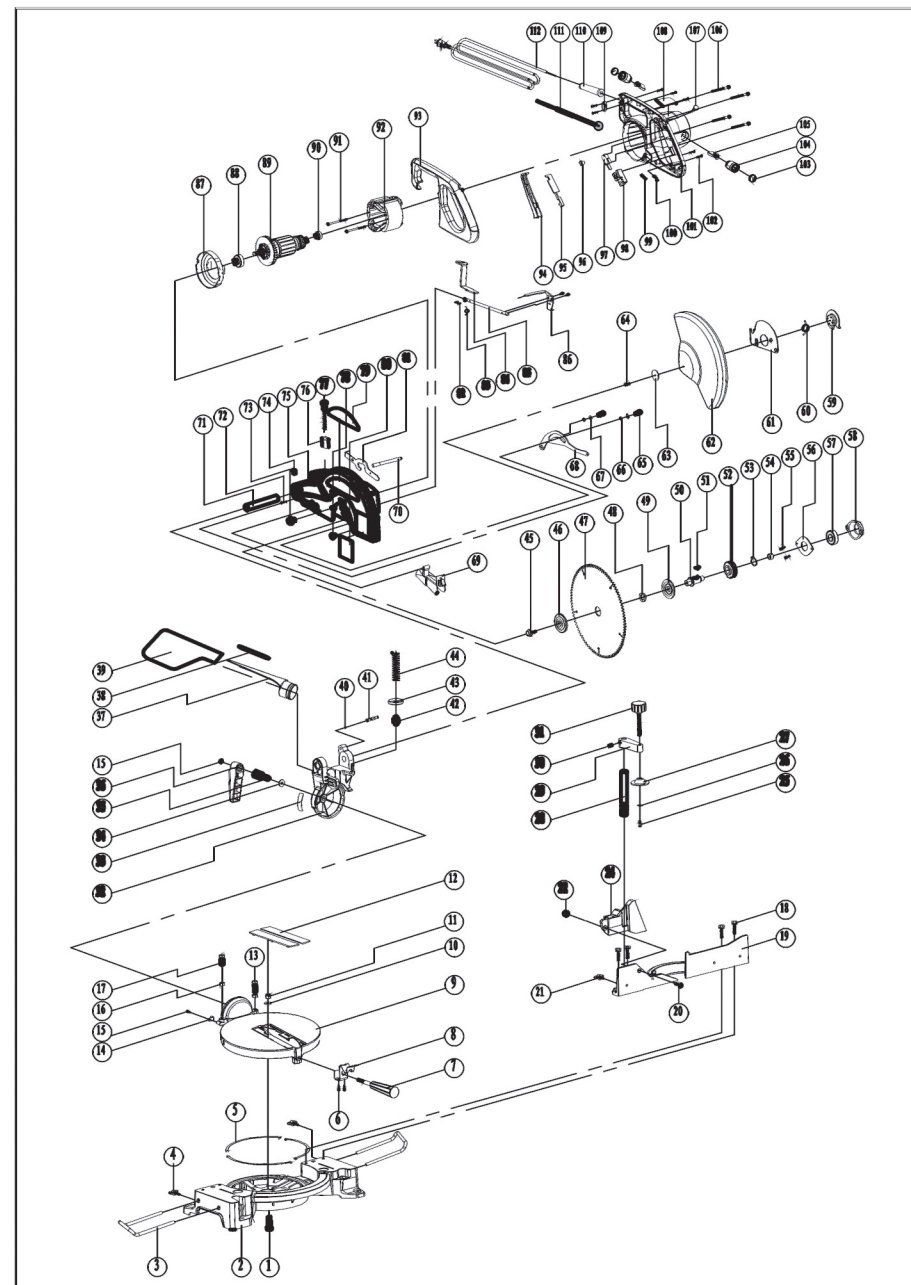
For Your Own Safety Read Instruction Manual Before Operating Tool Save it for future reference GENERAL SAFETY PRECAUTIONS

(For All Tools)

1. KNOW YOUR POWER TOOL. Read the owner's manual carefully. Learn the tool's applications and limitations, as well as the specific potential hazards peculiar to it.
2. KEEP GUARDS IN PLACE and in working order.
3. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
4. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.

5. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted. Don't use tool in presence of flammable liquids or gases.
6. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
7. **MAKE WORKSHOP KID PROOF** with padlocks, master switches, or by removing starter keys.
8. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
9. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
10. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
11. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
12. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
13. **DON'T OVERREACH.** Keep proper footing and balance at all times.
14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. **DISCONNECT TOOLS** before servicing; when changing accessories such as blades, bits, cutters, and the like.

16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
22. **REPLACEMENT PARTS.** When servicing use only identical replacement parts.
23. **POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.



PM255MS Spare Parts List

No	Name of parts	QTY	No	Name of parts	QTY
1	Hex Screw M8*30	1	57	Ball Bearing 6203-2RS/SYBS	1
2	Base	1	58	Front Cover	1
3	Support Bar	1	59	Active Plate	1
4	Knob	2	60	Torsional Spring	1
5	Friction Plate	3	61	Fixed Plate	1
6	Hex Screw M5*12	2	62	Safety Guard	1
7	Plate Handle	1	63	Guard Plate	1
8	Spring Piece	1	64	Hex Screw M5*16	1
9	Plate	1	65	Stop Screw	2
10	Flat Washerφ8.3*φ19.5*2	1	66	Sleeve	2
11	Locknut M8	1	67	Washerφ7.2*φ16.8*0.5	1
12	Plastic Plate Cover	2	68	Connecting Rod	1
13	Hex Screw M8*30	6	69	Wind Block	1
14	Pointer	1	70	Locating Pin II	1
15	Hex Screw M4*10	2	71	Rotate Pin φ16*110	1
16	Hex Nut M8	2	72	Hex Screw ST4*16	1
17	Hex Bolt M8*25	2	73	Hex Bolt M8*12	1
18	Hex Nut M8*30	4	74	Hex Screw M6*10	1
19	Cross Bar	1	75	Blade Guard	1
20	Plastic Nut M6	1	76	Hex Nut M8	1
21	Knob M6*25	1	77	Hex Screw M8*75	1
22	Locknut M6	1	78	Stopper Nut II	1
23	Connection Support	1	79	Label	1
24	Auxiliary Cross-Bar	1	80	Warning Label	1
25	Position Screw M5*10	1	81	Self Lock	1
26	Washerφ6*φ14.7*1	1	82	Hex Screw M4*10	5
27	Flange	1	83	Torsional Spring II	1
28	Studdle	1	84	Stopper stand	1
29	Link Block	1	85	Transfer Bar	1
30	Knob	2	86	Protection Baffle	1
31	Turn-nut	1	87	Baffle	1
32	Fixed Base	1	88	Ball Bearing 6202-2RS/SYBS	1
33	Angular Scale	1	89	Rotor	1
34	Flat Washerφ10.2*φ21.8*1.5	1	90	Ball Bearing 6200-2RS/SYBS	1
35	Lock Nut	1	91	Hex Screw M5*60	2
36	Locked handle	1	92	Stator	1
37	Dust Tube	1	93	Hand cover	1
38	Auxiliary Cable Tie	1	94	Switch Trigger	1
39	Dust Bag	1	95	Switch Push Rod	1
40	Spring φ10×φ0.8×23	1	96	Switch Limiting Stopper	1
41	Stopper Pin	1	97	Micro Switch	1
42	Located pin	1	98	Switch	1
43	Spring base	1	99	Lock spring	1
44	Compressed spring	1	100	Switch Spring	1
45	Bolt M8*16	1	101	Motor Housing	1
46	Outer Flange	1	102	Hex Screw ST4*17	7
47	Blade	1	103	Carbon Brush Cap	2
48	Ring φ16×φ25.4×4	1	104	Carbon Brush Holder	2
49	Inner Flange	1	105	Carbon Brush	2
50	Spindle	1	106	Hex Screw M6*60	4
51	Woodruff key 4*16	1	107	Twist Lock Push	1
52	Gear	1	108	Label	1
53	Retainer Ringφ17	1	109	Cable Platen	1
54	Needle Bearing HK1212	1	110	Cord Guard	1
55	Hex Screw M5*16	2	111	Tension Spring Componets	1
56	Bearing Plate	1	112	Cable	1

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user - as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate rating is harmful to the motor.

USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Table 1: Minimum gage for cord

Ampere Rating		Volts	Total length of cord in feet			
		220 V	25 ft.	50 ft.	100 ft.	150 ft.
More Than	Not More Than	AWG				
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

ADDITIONAL SAFETY RULES

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to miter saw safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

1. Wear eye protection.
2. Keep hands out of path of saw blade. Avoid contact with any coasting blade. It can still cause severe injury.
3. Do not operate saw without guards in place. Check blade guard for proper closing before each use. Do not operate saw if blade guard does not move freely and close instantly. Never clamp or tie the blade guard into the open position.
4. Do not perform any operation freehand. The workpiece must be secured firmly against the turn base and guide fence with a vise during all operations. Never use your hand to secure the workpiece.
5. Never reach around saw blade.
6. Turn off tool and wait for saw blade to stop before moving workpiece or changing settings.
7. Unplug tool before changing blade or servicing.
8. Always secure all moving portions before carrying the tool.

9. Do not use the tool in the presence of flammable liquids or gases.
10. Check the blade carefully for cracks or damage before operation. Replace cracked or damaged blade immediately. Gum and wood pitch hardened on blades slows saw and increases potential for kickback. Keep blade clean by first removing it from tool, then cleaning it with gum and pitch remover, hot water or kerosene. Never use gasoline to clean blade.
11. Use only flanges specified for this tool.
12. Be careful not to damage the arbor, flanges (especially the installing surface) or bolt. Damage to these parts could result in blade breakage.
13. Make sure that the turn base is properly secured so it will not move during operation. Use the holes in the base to fasten the saw to a stable work platform or bench. NEVER use tool where operator positioning would be awkward.
14. For your safety, remove the chips, small pieces, etc. from the table top before operation.
15. Avoid cutting nails. Inspect for and remove all nails from the workpiece before operation.
16. Make sure the shaft lock is released before the switch is turned on.
17. Be sure that the blade does not contact the turn base in the lowest position.
18. Hold the handle firmly. Be aware that the saw moves up or down slightly during start-up and stopping.
19. Make sure the blade is not contacting the workpiece before the switch is turned on.
20. Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced blade.
21. Wait until the blade attains full speed before cutting.
22. Stop operation immediately if you notice anything abnormal.
23. Do not attempt to lock the trigger in the on position.
24. Be alert at all times, especially during repetitive, monotonous operations. Do not be lulled into a false sense of security. Blades are extremely unforgiving.
25. Always use accessories recommended in this manual. Use of improper accessories such as abrasive wheels may cause an injury.
26. NEVER hold workpiece on right side of blade with left hand or vice versa. This is called cross-armed cutting and exposes user to risk of **SERIOUS PERSONAL INJURY** as shown in the figure. ALWAYS use vise to secure workpiece.



27. Do not abuse cord. Never yank cord to disconnect it from the receptacle. Keep cord away from heat, oil, water and sharp objects.
28. NEVER stack workpieces on the table top to speed cutting operations. Cut only one piece at a time.
29. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

ACCESSORIES

⚠ CAUTION:

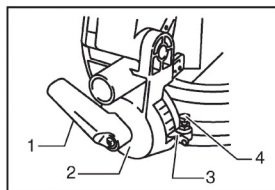
- These accessories or attachments are recommended for use with your Polymak tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Polymak service center.

- Steel & Carbide-tipped saw blades

Miter saw blades	For smooth and precise cutting in various materials.
Combination	General purpose blade for fast and smooth rip, crosscuts and miters.
Crosscutting	For smoother cross grain cuts. Slices cleanly against the grain.
Fine cross cuts	For sand-free cuts cleanly against the grain.
Non-ferrous metals miter saw blades	For miters in aluminum, copper, brass, tubing, and other non-ferrous metals.

- Vise assembly (Horizontal vise)
- Socket wrench 13
- Dust bag
- Triangular rule
- Carbon brush (2pcs.)



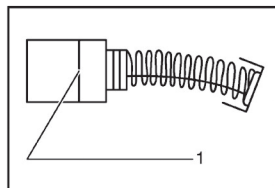
1. Lever
2. Arm
3. Pointer
4. 45° bevel angle adjusting bolt

(2) 45° bevel angle

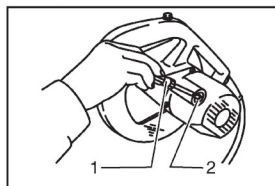
Adjust the 45° bevel angle only after performing 0° bevel angle adjustment. To adjust left 45° bevel angle, loosen the lever and tilt the blade to the left fully. Make sure that the pointer on the arm points to 45° on the bevel scale on the arm. If the pointer does not point to 45°, turn the 45° bevel angle adjusting bolt on the left side of the arm until the pointer points to 45°.

Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



1. Limit mark



1. Screwdriver
2. Brush holder cap

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

After replacing brushes, plug in the tool and break in brushes by running tool with no load for about 10 minutes. Then check the tool while running and electric brake operation when releasing the switch trigger. If electric brake is not working well, ask your local Makita service center for repair.

After use

- After use, wipe off chips and dust adhering to the tool with a cloth or the like. Keep the blade guard clean according to the directions in the previously covered section titled "Blade guard". Lubricate the sliding portions with machine oil to prevent rust.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Polymak Authorized or Factory Service Centers, always using Polymak replacement parts.

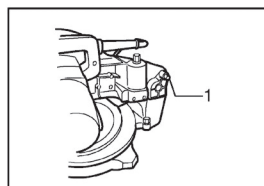
SAVE THESE INSTRUCTIONS

⚠ WARNING:

MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

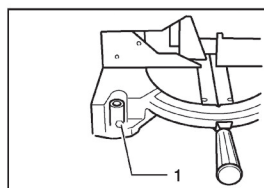
Bench mounting

When the tool is shipped, the handle is locked in the lowered position by the stopper pin. Release the stopper pin by lowering the handle slightly and pulling the stopper pin.



1. Stopper pin

This tool should be bolted with two bolts to a level and stable surface using the bolt holes provided in the tool's base. This will help prevent tipping and possible injury.



1. Bolt

FUNCTIONAL DESCRIPTION

⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

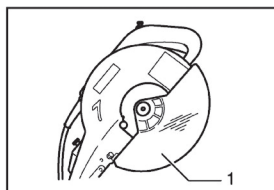
Blade guard

When lowering the handle, the blade guard rises automatically. The guard is spring loaded so it returns to its original position when the cut is completed and the handle is raised. NEVER DEFEAT OR REMOVE THE BLADE GUARD OR THE SPRING WHICH ATTACHES TO THE GUARD.

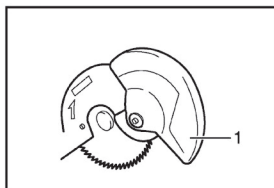
In the interest of your personal safety, always maintain the blade guard in good condition. Any irregular operation of the blade guard should be corrected immediately. Check to assure spring loaded return action of guard. NEVER USE THE TOOL IF THE BLADE GUARD OR SPRING ARE DAMAGED, FAULTY OR REMOVED. DOING SO IS HIGHLY DANGEROUS AND CAN CAUSE SERIOUS PERSONAL INJURY.

If the see-through blade guard becomes dirty, or sawdust adheres to it in such a way that the blade is no longer easily visible, unplug the saw and clean the guard carefully with a damp cloth. Do not use solvents or any petroleum-based cleaners on the plastic guard.

If the blade guard is especially dirty and vision through the guard is impaired, use the supplied socket wrench to loosen the hex bolt holding the center cover. Loosen the hex bolt by turning it counterclockwise and raise the blade guard and center cover. With the blade guard so positioned, cleaning can be more completely and efficiently accomplished. When cleaning is complete, reverse procedure above and secure bolt. Do not remove spring holding blade guard. If guard becomes discolored through age or UV light exposure, contact a Makita service center for a new guard. DO NOT DEFEAT OR REMOVE GUARD.



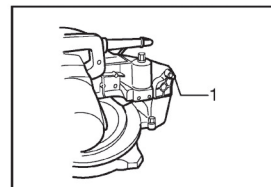
1. Blade guard



1. Blade guard

Carrying tool

Make sure that the tool is unplugged. Secure the blade at 0° bevel angle and the turn base at right miter angle fully. Lower the handle fully and lock it in the lowered position by pushing in the stopper pin.



1. Stopper pin



Carry the tool by carrying grip as shown in the figure. If you remove the holders, dust bag, etc., you can carry the tool more easily.

⚠ CAUTION:

- Always secure all moving portions before carrying the tool.
- Stopper pin is for carrying and storage purposes only and not for any cutting operations.

MAINTENANCE

⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

⚠ WARNING:

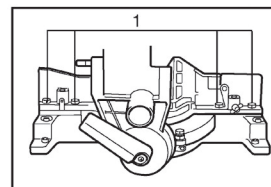
- Always be sure that the blade is sharp and clean for the best and safest performance.

Adjusting the cutting angle

This tool is carefully adjusted and aligned at the factory, but rough handling may have affected the alignment. If your tool is not aligned properly, perform the following:

1. Miter angle

Loosen the grip which secures the turn base. Turn the turn base so that the pointer points to 0° on the miter scale. Tighten the grip and loosen the hex bolts securing the guide fence using the socket wrench.



1. Hex bolt

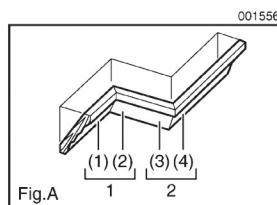
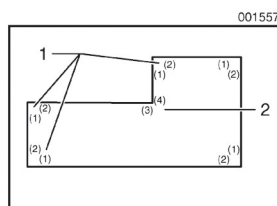


Fig.A
1. Inside corner
2. Outside corner



1. Inside corner
2. Outside corner

There are crown and cove molding joints which are made to fit "Inside" 90° corners ((1) and (2) in Fig. A) and "Outside" 90° corners ((3) and (4) in Fig. A).

Measuring

Measure the wall length and adjust workpiece on table to cut wall contact edge to desired length. Always make sure that cut workpiece length **at the back of the workpiece** is the same as wall length. Adjust cut length for angle of cut. Always use several pieces for test cuts to check the saw angles.

When cutting crown and cove moldings, set the bevel angle and miter angle as indicated in the table (A) and position the moldings on the top surface of the saw base as indicated in the table (B).

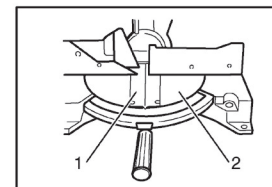
Example:

In the case of cutting 52/38° type crown molding for position (1) in Fig. A:

- Tilt and secure bevel angle setting to 33.9° LEFT.
- Adjust and secure miter angle setting to 31.6° RIGHT.
- Lay crown molding with its broad back (hidden) surface down on the turn base with its CEILING CONTACT EDGE against the guide fence on the saw.
- The finished piece to be used will always be on the LEFT side of the blade after the cut has been made.

Kerf board

This tool is provided with the kerf board in the turn base to minimize tearing on the exit side of a cut. If the kerf groove has not yet been cut in the kerf board by the factory, you should cut the groove before actually using the tool to cut a workpiece. Switch on the tool and lower the blade gently to cut a groove in the kerf board.



1. Kerf board
2. Turn base

Maintaining maximum cutting capacity

This tool is factory adjusted to provide the maximum cutting capacity for a 255 mm (10") saw blade.

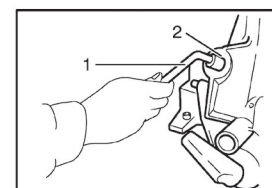
When installing a new blade, always check the lower limit position of the blade and if necessary, adjust it as follows:

First, unplug the tool. Lower the handle completely. Use the socket wrench to turn the adjusting bolt until the periphery of the blade extends slightly below the top surface of the turn base at the point where the front face of the guide fence meets the top surface of the turn base.

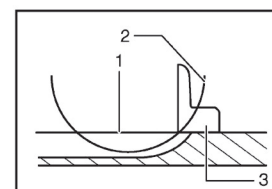
With the tool unplugged, rotate the blade by hand while holding the handle all the way down to be sure that the blade does not contact any part of the lower base. Re-adjust slightly, if necessary.

⚠ CAUTION:

- After installing a new blade, always be sure that the blade does not contact any part of the lower base when the handle is lowered completely. Always do this with the tool unplugged.



1. Socket wrench
2. Adjusting bolt



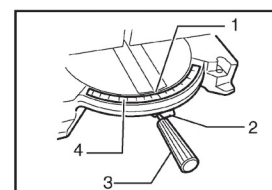
1. Top surface of turn base
2. Periphery of blade
3. Guide fence

Adjusting the miter angle

Loosen the grip by turning counterclockwise. Turn the turn base while pressing down the lock lever. When you have moved the grip to the position where the pointer points to the desired angle on the miter scale, securely tighten the grip clockwise.

⚠ CAUTION:

- When turning the turn base, be sure to raise the handle fully.



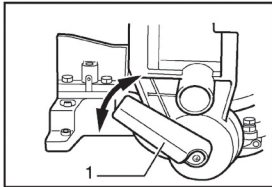
1. Pointer
2. Lock lever
3. Grip
4. Miter scale

- After changing the miter angle, always secure the turn base by tightening the grip firmly.

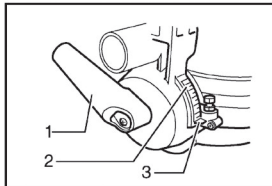
Adjusting the bevel angle

To adjust the bevel angle, loosen the lever at the rear of the tool counterclockwise.

Push the handle to the left to tilt the saw blade until the pointer points to the desired angle on the bevel scale. Then tighten the lever clockwise firmly to secure the arm.



1. Lever



1. Lever
2. Bevel scale
3. Pointer

⚠ CAUTION:

- When tilting the saw blade, be sure to raise the handle fully.
- After changing the bevel angle, always secure the arm by tightening the lever clockwise.

ASSEMBLY

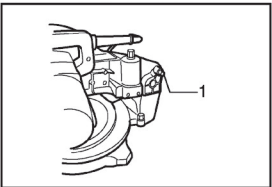
⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Installing or removing saw blade

⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before installing or removing the blade.
- Use only the socket wrench provided to install or remove the blade. Failure to do so may result in overtightening or insufficient tightening of the hex bolt. This could cause an injury.



1. Stopper pin

- During a bevel cut, it may create a condition whereby the piece cut off will come to rest against the side of the blade. If the blade is raised while the blade is still rotating, this piece may be caught by the blade, causing fragments to be scattered which is dangerous. The blade should be raised **ONLY** after the blade has come to a complete stop.
- When pressing the handle down, apply pressure parallel to the blade. If the pressure is not parallel to the blade during a cut, the angle of the blade might be shifted and the precision of the cut will be impaired.
- Always set the sub-fence to the left position when performing left bevel cuts.

4. Compound cutting

Compound cutting is the process in which a bevel angle is made at the same time in which a miter angle is being cut on a workpiece. Compound cutting can be performed at angle shown in the table.

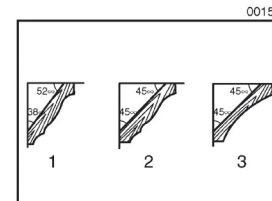
Bevel angle	Miter angle
45°	Left and Right 0 - 45°

When performing compound cutting, refer to “Press cutting”, “Miter cutting” and “Bevel cut” explanations.

5. Cutting crown and cove moldings

Crown and cove moldings can be cut on a compound miter saw with the moldings laid flat on the turn base.

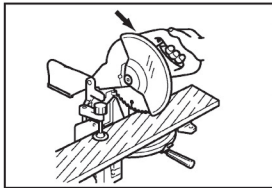
There are two common types of crown moldings and one type of cove moldings; 52/38° wall angle crown molding, 45° wall angle crown molding and 45° wall angle cove molding. See illustrations.



1. 52/38° type crown molding
2. 45° type crown molding
3. 45° type cove molding

- Do not apply excessive pressure on the handle when cutting. Too much force may result in overload of the motor and/or decreased cutting efficiency. Push down handle with only as much force as is necessary for smooth cutting and without significant decrease in blade speed.
- Gently press down the handle to perform the cut. If the handle is pressed down with force or if lateral force is applied, the blade will vibrate and leave a mark (saw mark) in the workpiece and the precision of the cut will be impaired.

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1. Press cutting

Secure the workpiece with the vise. Switch on the tool without the blade making any contact and wait until the blade attains full speed before lowering. Then gently lower the handle to the fully lowered position to cut the workpiece. When the cut is completed, switch off the tool and **WAIT UNTIL THE BLADE HAS COME TO A COMPLETE STOP** before returning the blade to its fully elevated position.

2. Miter cutting

Refer to the previously covered “Adjusting the miter angle”.

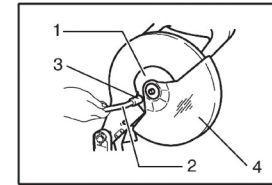
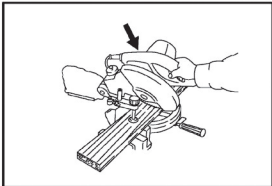
3. Bevel cut

Loosen the lever and tilt the saw blade to set the bevel angle (Refer to the previously covered “Adjusting the bevel angle”). Be sure to retighten the lever firmly to secure the selected bevel angle safely. Secure the workpiece with a vise. Switch on the tool without the blade making any contact and wait until the blade attains full speed. Then gently lower the handle to the fully lowered position while applying pressure in parallel with the blade. When the cut is completed, switch off the tool and **WAIT UNTIL THE BLADE HAS COME TO A COMPLETE STOP** before returning the blade to its fully elevated position.

⚠ CAUTION:

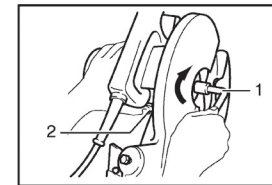
- Always be sure that the blade will move down to bevel direction during a bevel cut. Keep hands out of path of saw blade.

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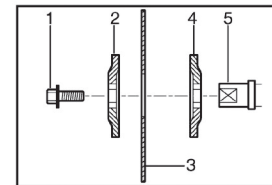
1. Center cover
2. Socket wrench
3. Hex bolt
4. Blade guard

To remove the blade, use the socket wrench to loosen the hex bolt holding the center cover by turning it counterclockwise. Raise the blade guard and center cover.



1. Socket wrench
2. Shaft lock

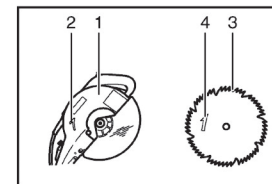
Press the shaft lock to lock the spindle and use the socket wrench to loosen the hex bolt clockwise. Then remove the hex bolt, outer flange and blade.



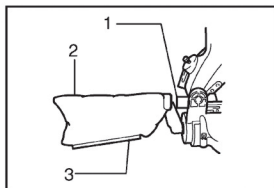
1. Hex bolt
2. Outer flange
3. Saw blade
4. Inner flange
5. Spindle

To install the blade, mount it carefully onto the spindle, making sure that the direction of the arrow on the surface of the blade matches the direction of the arrow on the blade case. Install the outer flange and hex bolt, and then use the socket wrench to tighten the hex bolt (left-handed) securely counterclockwise while pressing the shaft lock.

Return the blade guard and center cover to its original position. Then tighten the hex bolt clockwise to secure the center cover. Lower the handle to make sure that the blade guard moves properly. Make sure shaft lock has released spindle before making cut.



1. Blade case
2. Arrow
3. Saw blade
4. Arrow



1. Dust nozzle
2. Dust bag
3. Fastener

Dust bag

The use of the dust bag makes cutting operations clean and dust collection easy. To attach the dust bag, fit it onto the dust nozzle.

When the dust bag is about half full, remove the dust bag from the tool and pull the fastener out. Empty the dust bag of its contents, tapping it lightly so as to remove particles adhering to the insides which might hamper further collection.

NOTE:

If you connect a Makita vacuum cleaner to your saw, more efficient and cleaner operations can be performed.

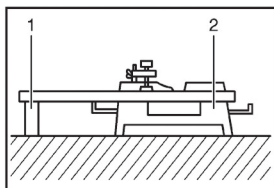
Securing workpiece

⚠ WARNING:

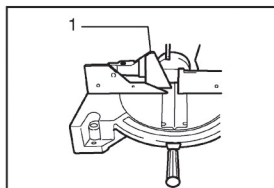
- It is extremely important to always secure the workpiece properly and tightly with the vise. Failure to do so can cause the tool to be damaged and/or the workpiece to be destroyed. **PERSONAL INJURY MAY ALSO RESULT.** Also, after a cutting operation, **DO NOT** raise the blade until the blade has come to a complete stop.

⚠ CAUTION:

- When cutting long workpieces, use supports that are as high as the top surface level of the turn base. Do not rely solely on the vertical vise and/or horizontal vise to secure the workpiece. Thin material tends to sag. Support workpiece over its entire length to avoid blade pinch and possible **KICKBACK.**



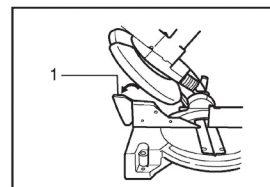
1. Support
2. Turn base



1. Sub-fence

Sub-fence

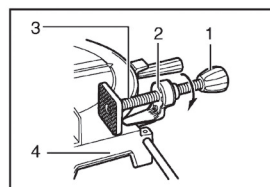
This tool is equipped with the sub-fence. It should be positioned as shown in the figure.



1. Sub-fence

⚠ CAUTION:

- When performing left bevel cuts, flip the fence over to the left position as shown in the figure. Otherwise, it will contact the blade or a part of the tool, causing possible serious injury to the operator.



1. Vise knob
2. Projection
3. Vise shaft
4. Base

Horizontal vise (optional accessory)

The horizontal vise can be installed on either the left or right side of the base. When performing 15° or greater miter cuts, install the horizontal vise on the side opposite the direction in which the turn base is to be turned. By turning the vise knob counterclockwise, the screw is released and the vise shaft can be moved rapidly in and out. By turning the vise knob clockwise, the screw remains secured. To grip the workpiece, turn the vise knob gently clockwise until the projection reaches its topmost position, then fasten securely. If the vise knob is forced in or pulled out while being turned clockwise, the projection may stop at an angle. In this case, turn the vise knob back counterclockwise until the screw is released, before turning again gently clockwise.

The maximum width of the workpiece which can be secured by the horizontal vise is 130 mm (5 - 1/8").

⚠ CAUTION:

- Grip the workpiece only when the projection is at the topmost position. Failure to do so may result in insufficient securing of the workpiece. This could cause the workpiece to be thrown, cause damage to the blade or cause the loss of control, which can result in **PERSONAL INJURY.**

⚠ CAUTION:

- Before use, be sure to release the handle from the lowered position by pulling the stopper pin.
- Make sure the blade is not contacting the workpiece, etc. before the switch is turned on.

OPERATION