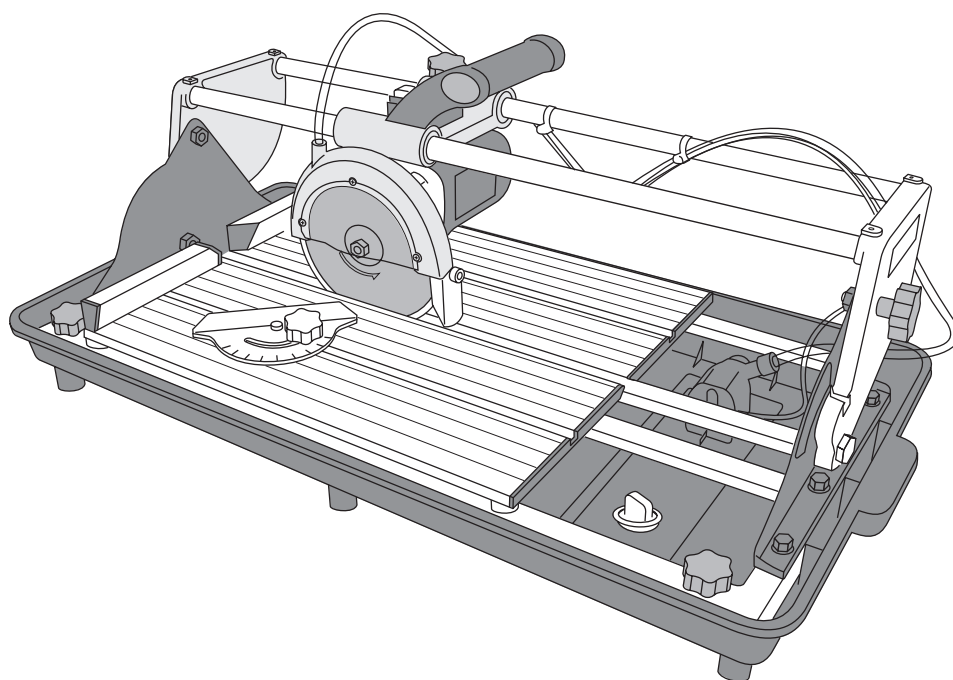


model no.: 055-6740-2

Mastercraft™

SLIDING WET TILE SAW



IMPORTANT:

Please read this manual carefully before using this wet tile saw and save it for reference.

**INSTRUCTION
MANUAL**

TABLE OF CONTENTS

SPECIFICATIONS	4
GENERAL SAFETY GUIDELINES	5
SPECIFIC SAFETY GUIDELINES FOR THE SLIDING WET TILE SAW	7
ELECTRICAL INFORMATION	8
KEY PARTS DIAGRAM	10
ASSEMBLY INSTRUCTIONS	11
OPERATING INSTRUCTIONS	15
MAINTENANCE	17
PARTS LIST	18
WARRANTY	21

NOTE:

If any parts are missing or damaged, or if you have any questions, please call our toll-free helpline at 1-800-689-9928.



SAVE THESE INSTRUCTIONS

This manual contains important safety and operating instructions. Read all instructions and follow them when using this product.

model no. 055-6740-2 | contact us 1-800-689-9928

Mastercraft™

SPECIFICATIONS

Motor	120 V AC, 60 Hz, 10A
Speed	5000 RPM (no load)
Blade	7" (17.8 cm) diamond-tipped
Maximum size	7 1/8" (18.1 cm)
Arbor	7/8" or 5/8"
Maximum cutting length	18 1/2" (47 cm)
Diagonal cut	13" (33 cm)
Depth of cut at 90°	1 1/8" (2.9 cm)
Depth of cut at 45°	3/4" (1.9 cm)
Mitre angles	0–60°
Bevel angle	45°left
Worktable (L x W)	18 1/2 x 15 5/8" (47 x 39.7 cm)
Weight	36 lb 6 oz (16.5 kg)

Safety is a combination of common sense, staying alert, and knowing how the tile saw works.

1. **READ** and become familiar with this Instruction Manual. **LEARN** the tool's applications, limitations, and possible hazards.
2. **AVOID DANGEROUS CONDITIONS. DO NOT** use power tools in wet or damp areas, and DO NOT expose them to rain.
3. **DO NOT** use power tools in the presence of flammable liquids or gas.
4. **Keep your work area clean**, uncluttered, and well-lit. DO NOT work on slippery floor surfaces.
5. **KEEP BYSTANDERS AT A SAFE DISTANCE FROM** the work area, especially when the tool is operating. Do not allow children or pets near the tool.
6. **DO NOT FORCE THE TOOL** to do a job that it was not designed to do.
7. **DRESS FOR SAFETY. DO NOT** wear loose clothing, gloves, neckties, or jewellery (rings, watches, etc.) when operating this tool. These items can get caught in moving parts and draw the operator in. WEAR non-slip footwear, and tie back long hair.
8. **WEAR A FACE MASK OR DUST MASK.** Tile sawing operations produce dust.
9. **UNPLUG** the power cord from the electrical outlet before making adjustments, changing parts, cleaning, or performing maintenance on this tool.
10. **KEEP GUARDS IN PLACE AND IN WORKING ORDER.**
11. **AVOID ACCIDENTAL START-UPS.** Verify that the power switch is in the **OFF** position before plugging in the power cord.
12. **DO NOT OVERREACH.** Keep proper footing and balance at all times. Wear oil-resistant, rubber-soled footwear. Keep the floor clear of oil, scraps, and other debris.
13. **MAINTAIN TOOLS PROPERLY.** KEEP tools clean and in good working condition. Follow instructions for lubricating and changing accessories.
14. **CHECK FOR DAMAGED PARTS.** Inspect moving parts for alignment, jamming, breakage, improper mounting, or any other conditions that may affect the operation of the tool. Any part that is damaged should be properly repaired or replaced before use.

**WARNING!**

To avoid mistakes that could cause serious injury, read this instruction manual carefully before plugging in the tile saw.

15. **MAKE THE WORKSHOP CHILDPROOF.** Use padlocks and master switches, and ALWAYS remove starter keys.
16. **DO NOT** operate the tool while under the influence of drugs, alcohol or medication that may affect the ability to use the tool properly.

1. Check for proper assembly and proper alignment of moving parts.
2. Always use the blade guard assembly.
3. Know the condition of the wet tile saw. If any part is missing, bent or not operating properly, replace it before continuing to use the saw.
4. Determine the type of work to be done before operating the wet tile saw.
5. Never perform any operation “free hand” (supporting or guiding the workpiece by hand). Use the clamp assembly to position and guide the workpiece.
6. Do not stand or have any part of the body in line with the path of the wet tile saw blade. Keep the hands out of the line of the saw blade. Never reach behind or over the cutting area.
7. When using a wet blade, verify that there is an adequate supply of water to the blade.
8. Do not attempt to free a stalled blade without turning the wet tile saw OFF first by putting the power switch in the OFF position immediately to prevent damage to the motor.
9. Inspect the blade before each use. If there are signs of damage or unusual wear, replace the blade.
10. Do not leave the wet tile saw running unattended. Do not leave the wet tile saw until the blade has come to a complete stop.



ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA REQUIREMENTS.

FLYING DEBRIS can cause permanent eye damage. Prescription eyeglasses are NOT a substitute for proper eye protection.



WARNING!

Dust that is generated when cutting certain materials can be hazardous to the health. Always operate the tile saw in a well-ventilated area, and provide for proper dust removal. Wear a face mask or dust mask while operating the wet tile saw.



WARNING!

Exposure to excessive noise levels can result in permanent hearing loss. Always wear ear protection (safety ear muffs or ear plugs) in order to reduce the noise level while operating the wet tile saw.



WARNING!

Do not operate the sliding wet tile saw until it is completely assembled and the instructions in this manual and the warning labels on the saw have been read and understood.

GROUNDING INSTRUCTIONS

IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides the path of least resistance for electric current, and reduces the risk of electric shock. This tool is equipped with a power cord that has an equipment grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching outlet that is properly installed and grounded, in accordance with **ALL** local codes and ordinances.

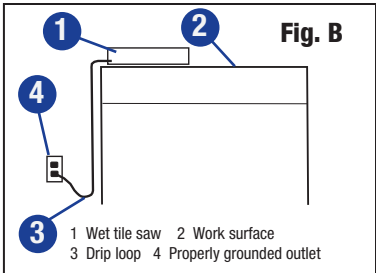
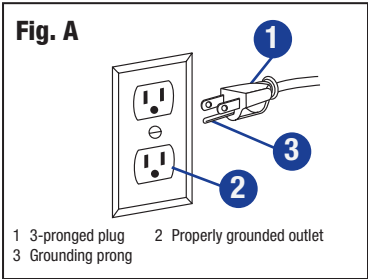
DO NOT ALTER THE PLUG. If it will not fit the outlet, have the proper outlet installed by an electrician.

IMPROPER CONNECTION of the equipment grounding conductor can result in electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment grounding conductor. If it is necessary to repair or replace the power cord or plug, **DO NOT** connect the equipment grounding conductor to a live terminal.

CHECK with a licensed electrician if these grounding instructions are not completely understood, or if there is any doubt that the tool is properly grounded.

USE ONLY 3-WIRE EXTENSION CORDS that have 3-pronged plugs. Only plug into 3-holed outlets that accept the tool's plug as shown in **Fig. A**. Repair or replace damaged or worn cords immediately.

In order to keep the plug and outlet dry, use a "drip loop" in the cord that connects the saw to the outlet (**Fig. B**). The drip loop is formed by locating part of the cord below the level of the outlet, or before the connector, if an extension cord is used. To create a drip loop, allow the power cord to have a sufficient amount of slack so that the power cord sags between the outlet and the wet tile saw. If an extension cord is used, raise the connector using a chair, milk crate, etc. Verify that the cord is not touching the floor. The drip loop helps to prevent water from reaching the outlet. If the plug or receptacle gets wet, do not unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the wet tile saw, and then unplug the power cord and examine it for the presence of water. Ensure that dripping water does not affect proper footing.



CAUTION!

In all cases, verify that the outlet in question is properly grounded. If in doubt, have the outlet inspected by a licensed electrician.

GUIDELINES FOR USING EXTENSION CORDS

Verify that the extension cord is in good condition. When using an extension cord, be sure to use one that is heavy enough to carry the current that the tool will draw. An undersized cord will cause a drop in line voltage, which will result in loss of power and overheating. The table below shows the correct size to use according to cord length and the amperage rating on the tool's nameplate. When in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

MINIMUM GAUGE FOR EXTENSION CORDS (AWG)

Amperage rating of the tool (120 V circuit only)		Total length of the extension cord			
		25' (7.6 m)	50' (15.2 m)	100' (30.4 m)	150' (45.7 m)
More than	Not more than	Minimum gauge for the extension cord (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	

Verify that the extension cord is properly wired and in good condition. Always replace a damaged extension cord, or have it repaired by a qualified electrician before using it. Keep extension cords away from sharp objects, excessive heat, and damp or wet areas.

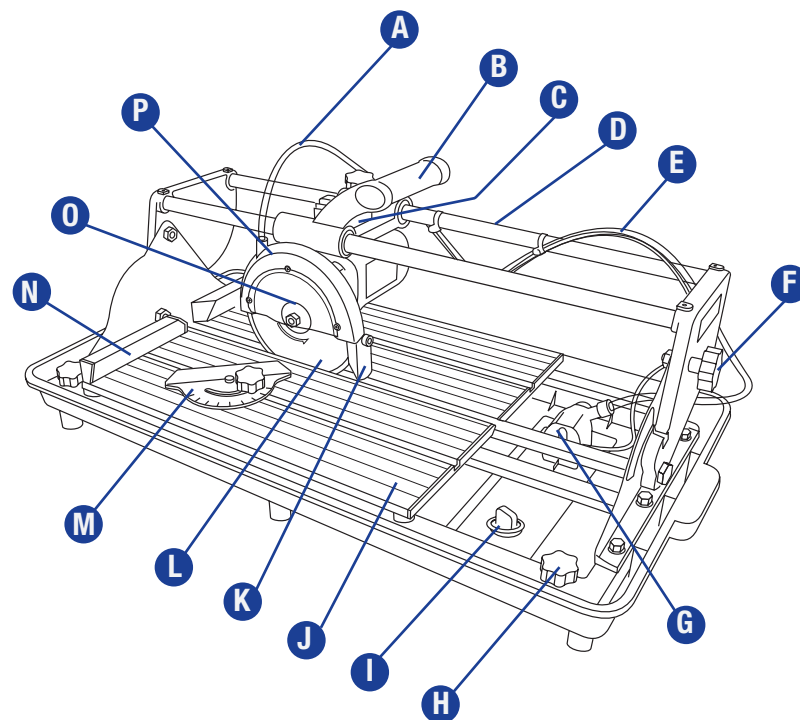
Use a separate electrical circuit for power tools. This circuit must consist of not less than a #12 wire with a 15 A time-delayed fuse. Before plugging the tool into the outlet, verify that the switch is in the OFF position and that the electric current is rated the same as the current that is stamped on the motor nameplate. Running the tool at a lower voltage will damage the motor.



WARNING!

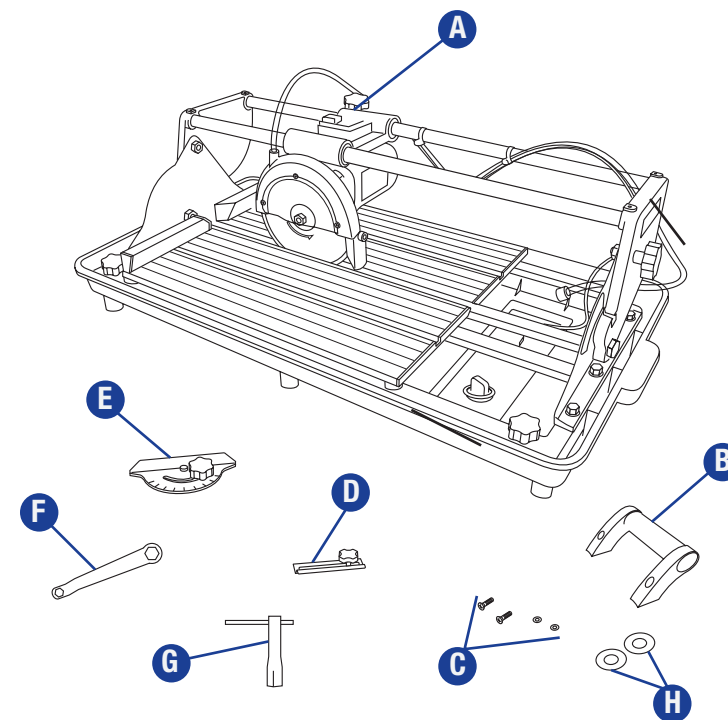
This tool must be grounded while in use in order to protect the operator from electric shock.

No.	Description	No.	Description
A	Water tubing	I	Drain plug
B	Handle	J	Worktable
C	ON/OFF switch	K	Splash guard
D	Handle rail	L	Diamond-tipped blade
E	Water pump power cord	M	Mitre gauge
F	Bevel adjustment knob (2)	N	Ruler
G	Water pump	O	Blade guard
H	Tray support knob (4)	P	Water intake connector

**UNPACKING (Fig. 1)**

- Carefully remove the contents from the box.
- Do not discard the box or the packing material until all parts have been carefully inspected and accounted for.

No.	Description	No.	Description
A	Wet tile saw	F	Blade wrench
B	Handle	G	Socket wrench
C	Bolts and washers (2)	H	Inner/outer blade collars (for blades with a 5/8" arbor)
D	Clamp assembly		
E	Mitre gauge		

Fig. 1**WARNING!**

If any part is missing or damaged, do not plug the tile saw in until the missing or damaged part has been replaced.

ASSEMBLY INSTRUCTIONS

This wet tile saw requires some assembly. For safety reasons, the wet tile saw must be completely assembled before it is plugged into an outlet.

Installing the handle (Fig. 2)

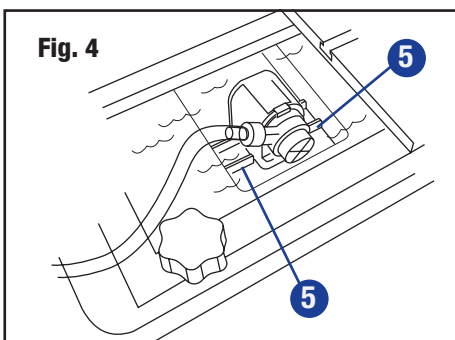
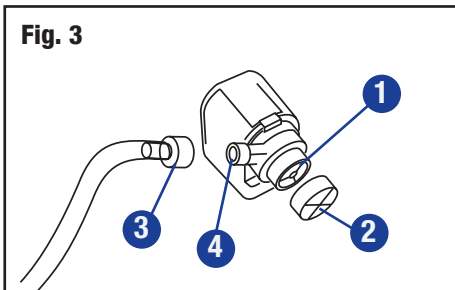
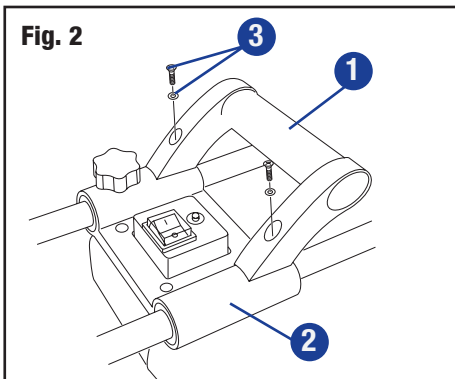
1. Position the handle **(1)** over the holes on the rail support **(2)**.
2. Secure each side of the handle to the rail support using a washer and a bolt **(3)**.

Installing the water pump (Fig. 3 to 5)

Verify that the water pump is completely submerged before operating the pump or the tile saw.

1. Position the filter **(2)** over the water intake port **(1)** on the water pump.
2. Connect the tubing **(3)** to the water pump discharge port **(4)**.
3. Position the water pump between the four plastic clips **(5)** on the water tray. Press down in order to ensure a tight fit.
4. Place the pump bracket **(6)** over the pump and secure to the base with two screws **(7)**.
5. Verify that the other end of the water tubing is attached to the water intake port on the blade housing.

IMPORTANT: The water pump must be completely submerged when in use.

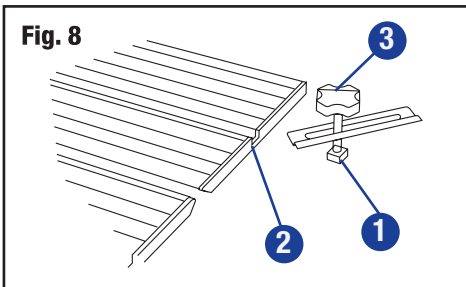
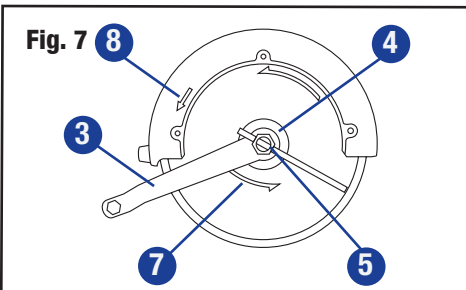
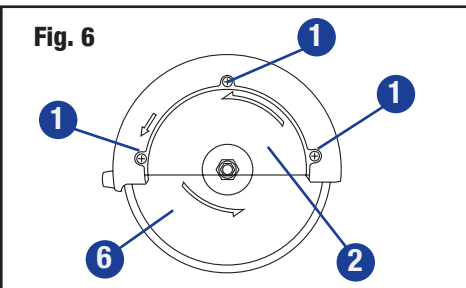
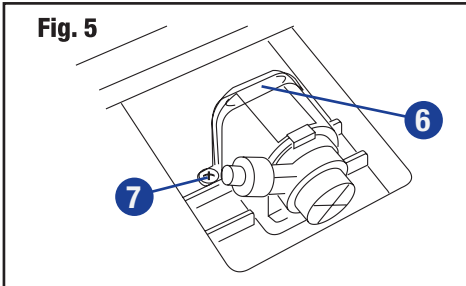
**Changing the blade (Fig. 6 to 7)**

This saw accepts blades with a 7/8" arbor. If using blades with a 5/8" arbor, remove the installed inner and outer blade collars and replace them with the set of inner and outer blade collars (provided) that are designed for use with 5/8" arbors.

1. Slide the blade assembly over the open end of the water tray.
2. Remove the three screws **(1)** that hold the plastic blade guard **(2)** in place. Remove the plastic blade guard.
3. Place the flat wrench **(3)** on the blade collar **(4)**, and use it to keep the blade from moving.
4. Place the socket wrench over the blade nut **(5)**, and turn the blade nut counter-clockwise.
5. Remove the blade nut, the blade collar and the blade **(6)**.
6. Place a new blade over the blade shaft. Verify that the direction of the arrow on the blade **(7)** matches the direction of the arrow on the metal blade guard **(8)**.
7. Place the blade collar and the blade nut on the blade shaft. Tighten the blade nut **(5)** by turning it clockwise using the wrenches.

Installing/moving the clamp assembly and mitre gauge (Fig. 8)

1. Insert the peg at the bottom of gauge **(1)** into one of the grooves **(2)** on the worktable.
2. Slide the clamp assembly and/or mitre gauge to the desired location. Tighten the knob **(3)** in order to lock the clamp assembly/mitre gauge into position.

**NOTE:**

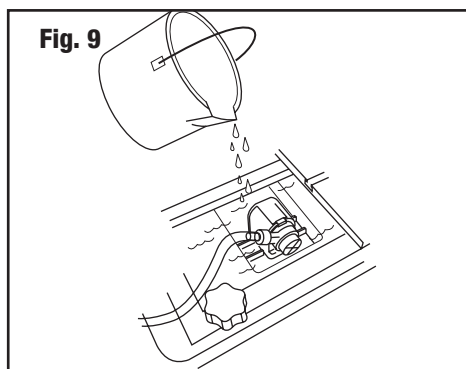
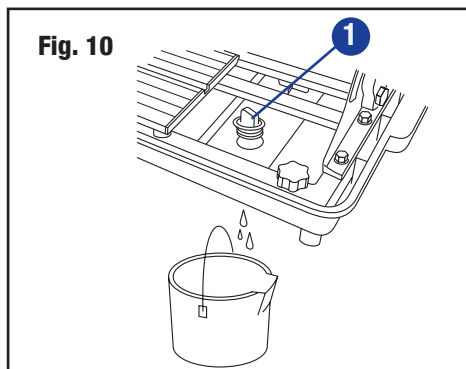
If the blade does not fit into the blade housing, loosen the four knobs **(1, Fig. 16)** that hold the blade assembly to the tray. Lift up the blade end of the assembly and slide the blade through the gap into the blade housing and over the blade shaft. Make sure the blade turns freely and does not touch the blade guard. Tighten the four knobs to secure the blade assembly to the tray after the blade is installed correctly.

Adding water (Fig. 9 and 10)

1. Verify that the drain plug **(1)** is in the drain opening on the tray.
2. Add water until the water covers the metal rack that supports the blade/worktable assembly. Verify that the water pump is completely submerged.
3. Add water as needed while the tile saw is in use.

Draining water (Fig. 10)

1. **Turn OFF** the wet tile saw and unplug it from the power source.
2. Place a container under the drain plug opening, or place the tile saw over a sink or drain.
3. Turn the drain plug **(1)** and pull on it in order to remove it from the tray. Allow the water to drain out of the opening in the tray.

Fig. 9**Fig. 10****NOTE:**

If necessary, the blade assembly and worktable can be removed from the tray. See Maintenance section for detailed instructions.

**CAUTION!**

Verify that the metal bars in the water tray are covered with water. The water pump may be damaged if it is not completely submerged while the tile saw is in use.

ON/OFF switch (Fig. 11)

Press the switch **(1)** to the **ON** (I) position in order to start the wet tile saw. Press the switch to the **OFF** (O) position in order to stop the wet tile saw.

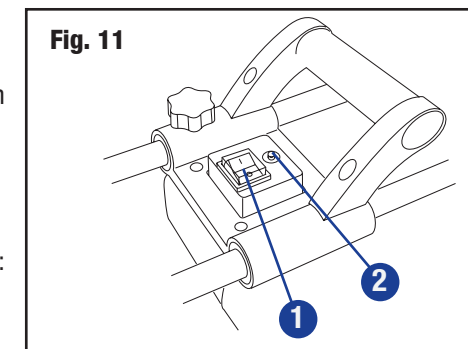
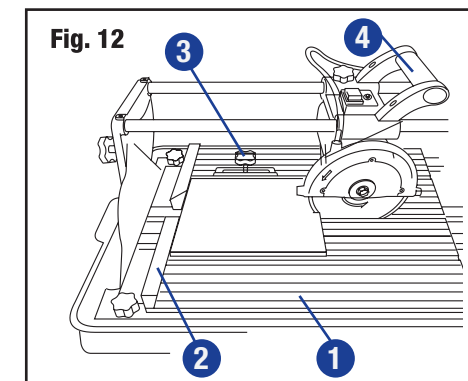
Reset button

In the event of an overload, the wet tile saw is equipped with a reset button. If the tile saw experiences an overload:

1. Turn the power switch to the **OFF** position. Unplug the power cord from the power source if you have to remove a workpiece from the tile saw.
2. Allow the tile saw to cool for a few minutes.
3. Plug in the power cord.
4. Press the reset button **(2)**.
5. Turn the power switch to the **ON** position.

Cutting tile (Fig. 12)

1. Fill the water compartment with water. Verify that the water level is above the metal rack.
2. Pull the handle **(4)** of the blade assembly toward the operator so that the blade is not above the worktable **(1)**.
3. Place a tile on the worktable so that it is resting against the ruler **(2)** at the rear of the worktable.
4. Use the ruler to align the tile with the blade.
5. Secure the tile using the clamp assembly **(3)** and/or mitre gauge.
6. Verify that the blade is not touching the tile, and then turn the saw on.
7. When the blade reaches full speed, push the handle **(4)** in order to move the blade assembly forward and cut the tile.

Fig. 11**Fig. 12****NOTE:**

For wet cutting, verify that the water filter is properly installed and that the tray is filled with water. See **Adding water** section.

Making a 45° cut (Fig. 13)

Follow these steps in order to cut a tile at a 45° angle:

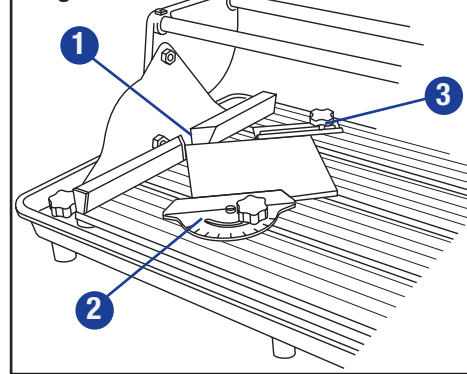
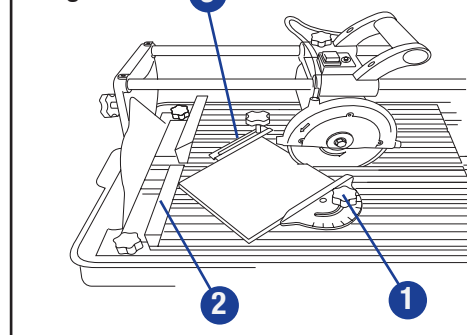
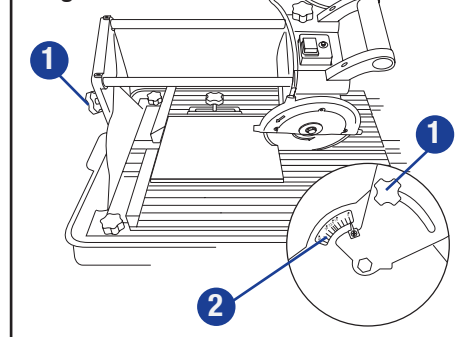
1. Place a corner of a tile into the groove **(1)** in the ruler.
2. Secure the tile using the mitre gauge **(2)** and/or the clamp assembly **(3)**.
3. Follow the instructions in the **Cutting tile** section.

Making a non-45° angle cut (Fig. 14)

1. Loosen the mitre gauge knob **(1)** and set the mitre gauge to the desired angle.
2. Place a tile so that one side is held by the mitre gauge and one corner rests against the ruler **(2)**.
3. Verify that the tile is properly aligned with the blade, and then tighten the mitre gauge knob **(1)**.
4. Secure the tile with the clamp assembly **(3)** so that the tile will not move.
5. Follow the instructions in the **Cutting tile** section.

Making a bevel cut (Fig. 15)

1. Place a tile so that it rests against the ruler, and secure it in place using the clamp assembly and/or mitre gauge.
2. Loosen the bevel knobs **(1)** located at the front and the rear of the blade assembly.
3. Tilt the blade assembly to the desired angle, using the bevel scale **(2)** as a guide.
4. Tighten the bevel knobs.
5. Follow the instructions in the **Cutting tile** section.

Fig. 13**Fig. 14****Fig. 15****Lubrication**

Mastercraft® tools are properly lubricated at the factory, and are ready to use. When necessary, use a dry silicone spray to lubricate parts that pivot or move.

General maintenance

Before each use, inspect the blade, the blade guard, the switch, the water pump, the power cord and the extension cord. Check for loose screws, jamming, improper mounting, broken parts, and any other condition that may affect the safe operation of the tile saw. If an unusual operating noise or vibration occurs, turn the wet tile saw off, and correct the problem before using the saw again.

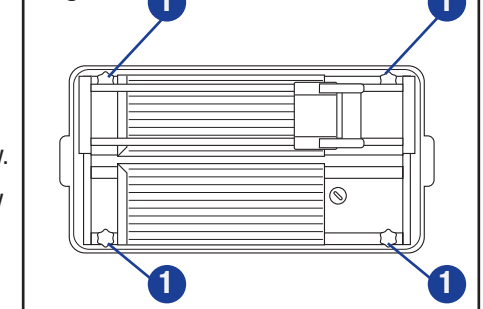
Cleaning

Empty the water from the water tray after each use and before storing the wet tile saw.

Use a dry, clean rag to clean and dry all areas of the wet tile saw. Do not use solvents or other harsh chemicals to clean the tile saw, because they are harmful to plastic and other insulated parts. Petroleum-based products, brakefluid, thinners, and ammonia detergents are also harmful to the wet tile saw.

Removing the blade assembly (Fig. 16)

1. Turn the power **OFF** and unplug the wet tile saw from the power source.
2. Disconnect the water pump and remove it from the tray.
3. Loosen the four knobs **(1)** that hold the blade assembly to the tray.
4. Lift the blade assembly up and out of the tray. Set the blade assembly on a suitable work surface.

Fig. 16**WARNING!**

To avoid injury from unexpected start-up or electric shock, unplug the power cord before attempting any inspection or maintenance.

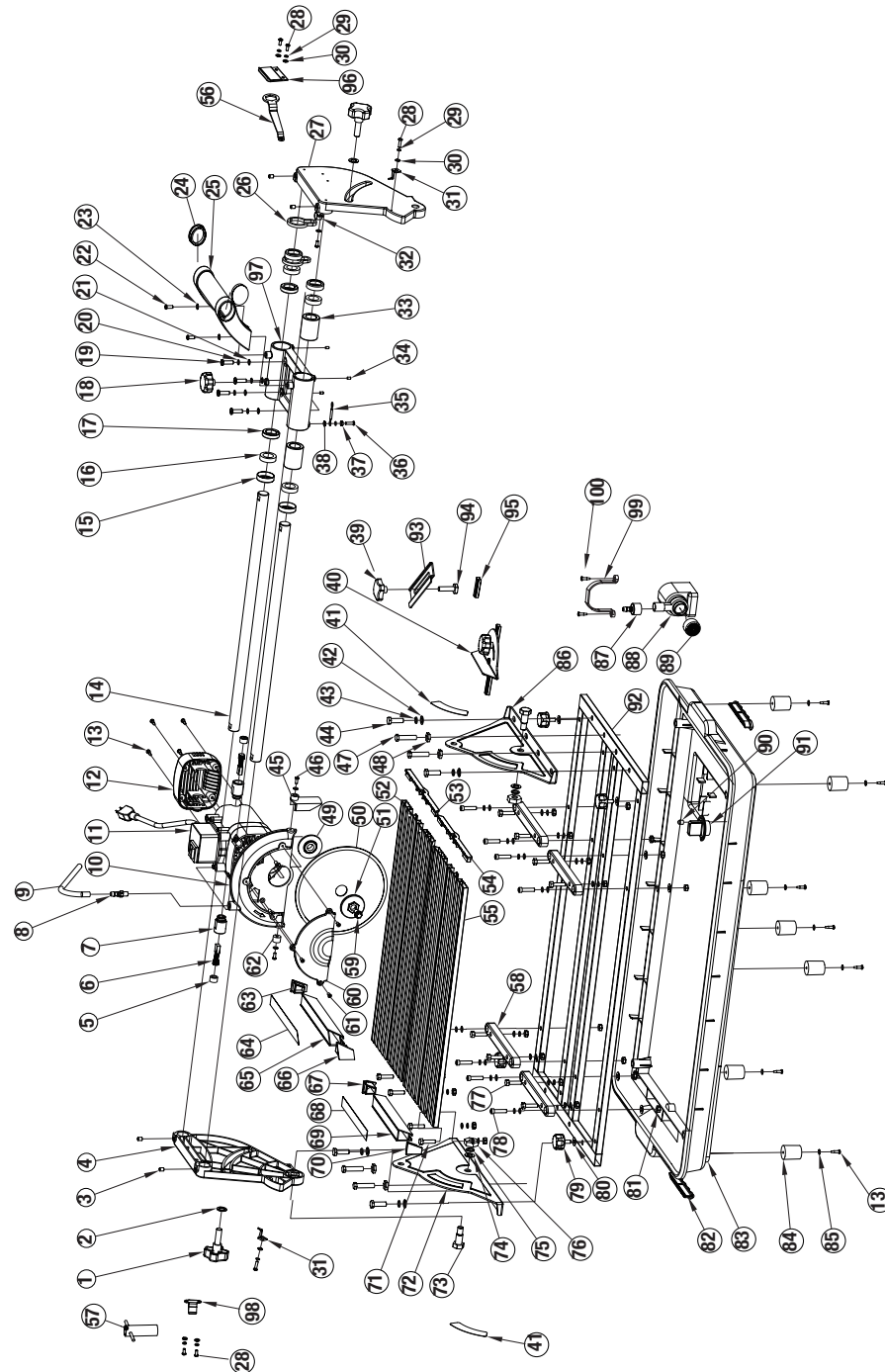
MASTERCRAFT® 7" (17.8 cm) SLIDING WET TILE SAW

When servicing the Mastercraft® Sliding Wet Saw, use only identical replacement parts. The use of any other parts may cause damage to the product. All servicing of the wet tile saw should be performed by a qualified service technician. For more information, call the Toll-Free Helpline at 1-800-689-9928.

No.	Description	Qty	No.	Description	Qty
01	Knob (A)	2	26	Tubing holder	2
02	Flat washer 10	2	27	Sliding bar support (B)	1
03	Screw M6 x 8	4	28	Screw M4 x 15	7
04	Sliding bar support (A)	1	29	Spring washer 4	7
05	Carbon brush cap	2	30	Flat washer 4	9
06	Carbon brush (set of 2)	2	31	Pointer	2
07	Carbon brush holder	2	32	Clip	1
08	Hose connector	1	33	Linear bearing	2
09	Water tubing	1	34	Screw M4 x 6	3
10	Blade housing	1	35	Ground wire	1
11	Motor assembly	1	36	Screw M4 x 20	1
11A	Waterproof switch	1	37	Hex nut M4	1
12	Rear cover	1	38	Toothed washer 4	1
13	Screw ST4 x 15	11	39	Knob	1
14	Sliding bar	2	40	Mitre gauge	1
15	Seal	4	41	Bevel scale	2
16	Felt bushing	4	42	Flat washer 8	4
17	Bearing	2	43	Spring washer 8	4
18	Knob (B)	1	44	Hex bolt M8 x 25	4
19	Screw M6 x 20	4	45	Rubber water deflector	1
20	Spring washer 6	24	46	Screw M4 x 10	2
21	Flat washer 6	24	47	Hex bolt M8 x 30	4
22	Screw M5 x 12	2	48	Hex nut M8	4
23	Flat washer 5	2	49	Inner flange	1
24	End cap	2	50	Blade	1
25	Handle	1	51	Outer flange	1

No.	Description	Qty	No.	Description	Qty
52	Worktable (A)	1	77	Hex bolt M6 x 30	8
53	Table end (A)	2	78	Screw M6 x 25	8
54	Table end (B)	2	79	Knob (C)	4
55	Worktable (B)	1	80	Flat washer 6	12
56	Wrench	1	81	Hex nut M6	8
57	Socket wrench	1	82	Carrying handle grip	2
58	Table support	4	83	Reservoir base	1
59	Blade bolt	1	84	Rubber feet	7
60	Blade cover	1	85	Flat washer	7
61	Screw M4 x 12	3	86	Steel support (A)	1
62	Rubber cushion	1	87	Water pump connector	1
63	Fence cap	1	88	Pump	1
64	Scale (A)	1	89	Filter	1
65	Fence (A)	1	90	Rubber cap	1
66	Fence cap (C)	1	91	Drain plug	1
67	Fence cap (D)	1	92	Stainless frame	1
68	Scale (B)	1	93	Clamp plate	1
69	Fence (B)	1	94	Bolt	1
70	Fence cap (B)	1	95	Guide	1
71	Hex bolt M6 x 15	4	96	Wrench storage	1
72	Steel support (B)	1	97	Holder	1
73	Connection shaft	2	98	Socket wrench storage	1
74	Flat washer 10	2	99	Water pump bracket	1
75	Spring washer 10	2	100	Screw ST 4 x 16	2
76	Hex nut M10	2	999	Owner's manual (not shown)	1

MASTERCRAFT® SLIDING WET TILE SAW



3-Year Limited Warranty

This Mastercraft product is guaranteed for a period of 3 years from the date of original retail purchase against defects in workmanship and materials, except for the following component:

Component A: Accessories, which are guaranteed for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.

Subject to the conditions and limitations described below, this product, if returned to us with proof of purchase within the stated warranty period and if covered under this warranty, will be repaired or replaced (with the same model, or one of equal value or specification), at our option. We will bear the cost of any repair or replacement and any costs of labour relating thereto.

These warranties are subject to the following conditions and limitations:

- a bill of sale verifying the purchase and purchase date must be provided;
- this warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, neglect or lack of proper installation, operation or maintenance (as outlined in the applicable owner's manual or operating instructions) or which is being used for industrial, professional, commercial or rental purposes;
- this warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product that are expected to become inoperative or unusable after a seasonable period of use;
- this warranty will not apply to routine maintenance and consumable items such as, but not limited to, fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, tune-ups or adjustments;
- this warranty will not apply where damage is caused by repairs made or attempted by others (i.e. persons not authorized by the manufacturer);
- this warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing);
- this warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons;
- this warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners; and
- this warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional Limitations

This warranty applies only to the original purchaser and may not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential or exemplary damages arising in connection with the sale, use or inability to use this product.

Notice to Consumer

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

This product is not meant for industrial or commercial purposes. This product is for household projects, read manual carefully.

Made in China

Imported by

Mastercraft Canada Toronto, Canada M4S 2B8