

CC1000T

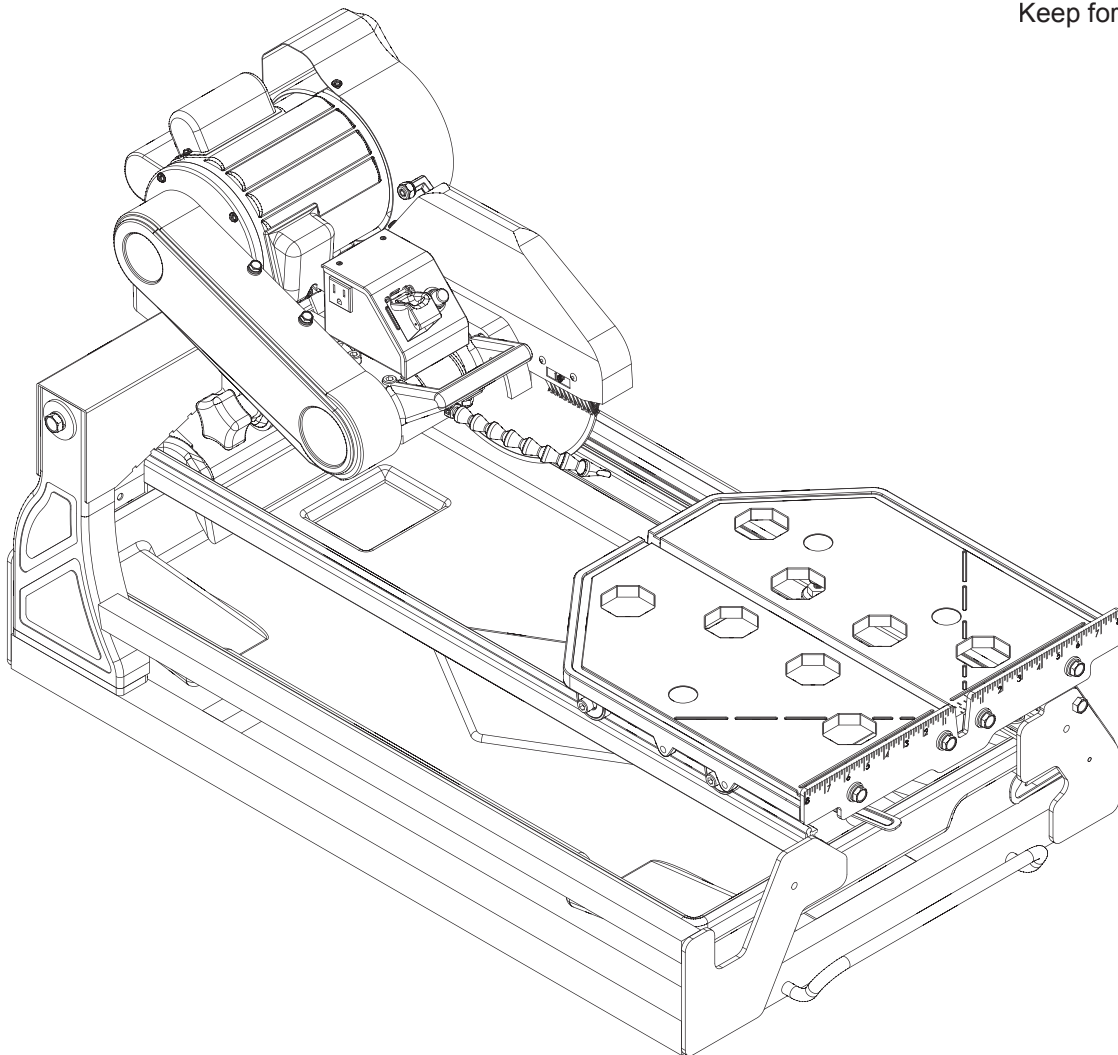
Wet Tile Saw



Starting serial # CC490232

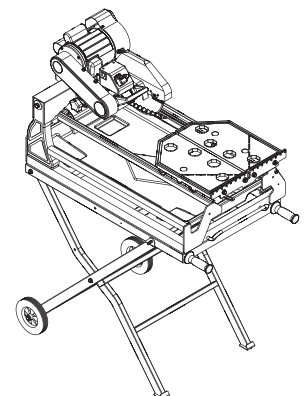
Owner's Manual

Keep for your records



ATTENTION!

Read safety and operating instructions carefully before operating the saw for the first time. Retain manual for future reference.



Optional
Saw Stand

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Safety Precautions

WARNING

- A. Saw blade should be inspected daily for excessive wear, core cracks and arbor damage. Replace any blade that shows signs of damage.
- B. To mount the blade, clean the arbor and outer flanges, and tighten the nut securely.
- C. DO NOT place any portion of your body in line with the blade while it is rotating.
- D. Wet cutting blades MUST be used with water.
- E. To reduce the risk of electrical shock, we recommend the use of GFCI and to refer servicing to a qualified professional.
- F. When operating the saw, be sure to wear proper safety gear, such as safety glasses, dust mask, and hearing protection. A hard hat is also recommended.



- G. Never use the machine improperly or work in an unsafe manner.
- H. Maintain alertness while operating the machine. Failure to maintain attention, by the operator, may lead to serious injury.
- I. Keep work area clean.
- J. Before you start working, familiarize yourself with the work site and its surroundings. Take notice of circumstances which may impede work or traffic, observe soil conditions (good bearing or not) and take measures to ensure safety (e.g. the shielding of roadworks from public traffic).
- K. Take measures to ensure that the machine is in a safe and trouble-free condition prior to usage. Use the machine only when all protective devices (i.e. guards, noise absorbers, emergency-off devices) are in place and in working order.

- L. A visual check of the machine must be made at least once a shift to ensure that visible damages or faults are recognized. Any changes (including changes in the performance or behavior of the machine) must be reported to the supervisor. If necessary, stop the machine at once and secure it.
- M. In the case of a malfunction, stop the machine immediately and secure it. Fix the problem as soon as possible.
- N. To stop and start the machine follow the operating instructions and observe any indicator lights.
- O. Keep out of reach of children. Before operating machine, be sure the activated machine will be of no danger to anyone.
- P. Be sure to connect the plug to a properly grounded receptacle to reduce the risk of electric shock.
- Q. Wear proper apparel. Do not wear loose clothing or accessories. Keep hair and body parts away from openings and moving parts.
- R. If cord/plug is damaged do not operate.
- S. Make sure power switch is in "off" position before plugging in power cord to prevent any accidental activation.
- T. When machine is plugged in do not leave it unattended. Unplug prior to servicing, when changing accessories, and when not in use.
- U. Never carry machine by cord. Do not pull cord to unplug. Keep cord away from heat, sharp edges and oil.
- V. Do not operate the machine when you are tired or while under the influence of drugs, alcohol or any medication.
- W. Never operate this unit when flammable materials or vapors are present. Electrical devices produce sparks or arcs which can cause a fire or explosion.
- X. When using an extension cord, make sure it is in good condition and heavy enough to carry the current drawn by the machine. Refer to the extension cord table in the "Electrical Specifications" section for the correct gauge depending on the desired cord length and the machine's horse power and voltage.

Health Warning

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks, cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Unpacking

Open the container and carefully lift the saw by the foam packaging and place it on a flat, level working area. Be sure that you have the following items before you discard the container:

- Saw
- Plastic water tray
- 10" saw blade
- Universal wrench
- Water pump
- Rip guide
- Owner's manual
- Drain plug

See also page 23 for additional optional accessories.

Set Up

Proceed to the following section to complete the assembly of the saw:

1. Install water pump per [Water Pump Installation](#) section. (see figure 1)
2. Attach rear drip tray by either sliding the two metal clips of the tray onto the corresponding tabs located at the rear of the saw frame, or if not applicable slide the fold found on the rim of the drip tray rim onto the frame itself (see figure 1.1).

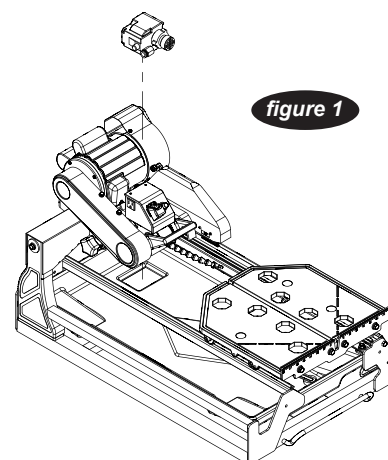


figure 1

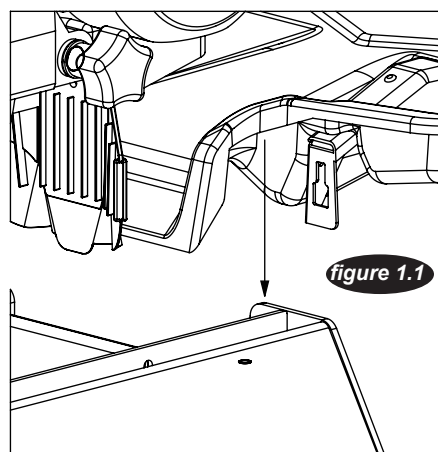


figure 1.1

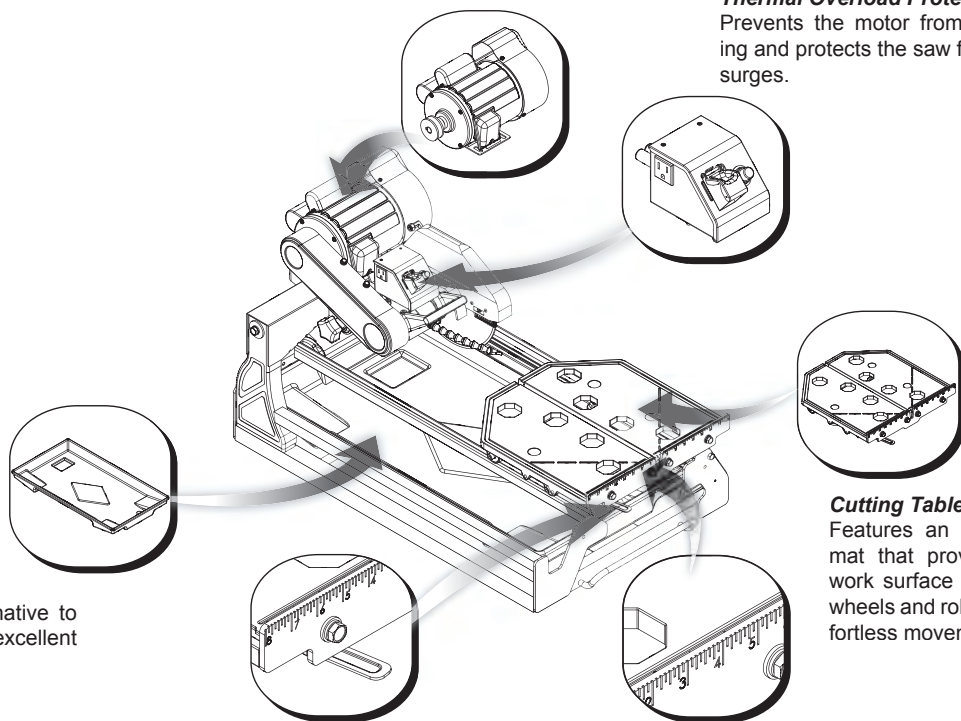
Features

Induction Motor

Reliable, high performance motor with superb service life and low operating noise levels.

Thermal Overload Protection

Prevents the motor from overheating and protects the saw from power surges.



ABS Water Tray

ABS is a lightweight alternative to stainless steel and offers excellent durability.

Table Retention Device

The device secures the cutting table when transporting the saw.

Ruler Guide

The guide allows convenient measurements and promotes precision cuts.

Specifications

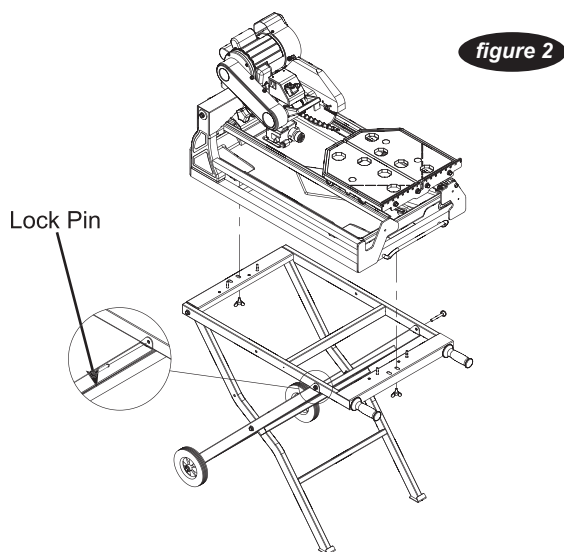
Diamond Product's CC1000T TILE SAW

Motor	Max. Blade Capacity	Cutting Length	Cutting Depth	Weight	Dimensions
1½ HP, 115 V/60 Hz, 3450 RPM	10" blade with 5/8" arbor	24", Diagonally cut 16" tile	3½"	103 lbs	Length: 38.2" Width: 22.6" Height: 20.6"

Installation and Operation

SAW STAND SETUP

1. Remove the folding stand from its box.
2. Remove the two lock pins inserted through the sides of the stand. While holding the stand upright, spread both sets of legs apart and swing the workbench over and on top of the legs.
3. Insert lock pins through the legs and into the workbench. Seat the saw onto the stand. Secure the saw to the stand using the two provided wing bolts. (see figure 2)



BLADE INSTALLATION

1. Loosen blade guard adjustment knob located at the rear of the blade guard. Raise the blade guard to the highest position and retighten the knob.
2. Remove the blade shaft nut and outer flange. (see figure 3) If a blade has been mounted, hold the blade with one hand and use the other hand to loosen the nut with the universal wrench. Remove existing blade.
3. Mount new blade, but make certain the arrow on the blade coincides with the rotation direction of the shaft.
4. Attach outer flange and blade shaft nut. Hold the blade with one hand and use the other hand to tighten the nut

with the universal wrench. Make certain the flanges are pressed flush against the blade and that the nut is firmly tightened, but do not over tighten.

5. Loosen blade guard adjustment knob, lower the blade guard and retighten the knob.

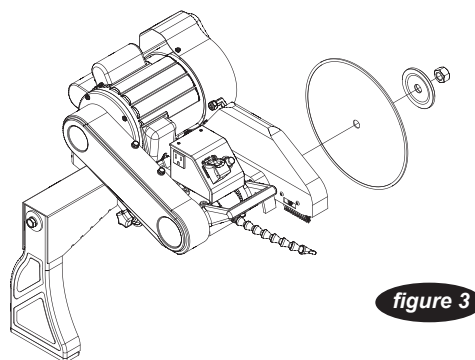


figure 3

WATER PUMP INSTALLATION

1. Remove the water pump from the box and check that it is not damaged.
2. Place the pump onto the recessed area of the water tray. The pump should be oriented such that the water outlet is horizontal. (see figure 4)
3. Connect water hose from the bearing housing located on the underside of the cutting head to the water pump. Plug the pump's power cord into the receptacle on the switch box located above the cutting head.
4. Fill the water tray so that the water intake is fully immersed. Proper water level must be maintained at all times during saw operation.

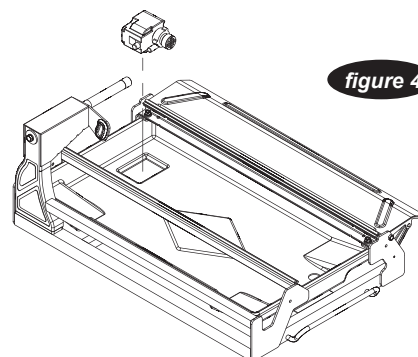


figure 4

WARNING:

Disconnect the pump before attempting to handle the pump. **Never** operate pump without water in the tray.

USING THE CUTTING TABLE

- The ruler guide has inches marked along the top to allow convenient measurements and to promote precision cuts. (see **figure 5**)
- The table the table spans an area of 16" x 16". With the optional side extension table equipped, the cast aluminum cutting table spans an area of 25" x 16", which allows it to provide greater support for handling larger materials.
- Cutting table is covered by a rubber mat that provides a firm, durable work surface.
- The optional MasterGuide Template Base should be used together with the cutting table to ensure precision while making cuts.

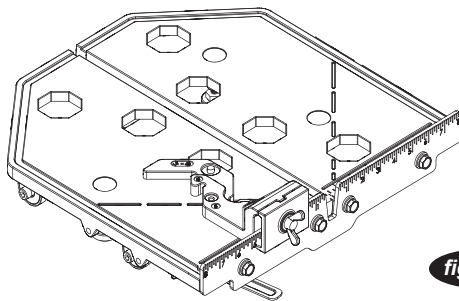


figure 5

PERFORMING STRAIGHT CUTS

1. Set the template base at the desired location on the ruler guide and tighten the threaded knob. Make sure the template base is firmly tightened to avoid slippage.
2. After the template base is positioned for the desired cut, place the material being cut flat against the side of the template base and the ruler guide.
3. Now you are ready to make your cut.

PERFORMING DIAGONAL CUTS

The template base contains multiple templates for performing diagonal cuts on a variety of common size tiles: 4", 6", 8" and 10" or greater. Each template except the last is designed to secure the tile firmly in place during the cut for improved accuracy.

1. Locate the template that is appropriate for the desired tile size. With the selected template facing the vertical

channel in the cutting table, set the template base at the desired location on the ruler guide. To cut the tile in two equal halves, position the template base by aligning the bottom edge of the selected template with the diagonal table groove extending from the vertical slot of the ruler guide. Tighten threaded knob once in place.

2. Place one corner of the material being cut into the template and rest the adjacent corner against the ruler guide. When cutting the tile in two equal halves, the latter corner should rest within the vertical slot of the ruler guide.
3. Now you are ready to make your cut.

PERFORMING MITER CUTS

To make miter cuts, an optional miter block must be purchased.

1. Place the lip of the miter block on the ruler guide with the threaded knob facing you.
2. Position the miter block such that a tile laying flat against the block may rest its left-most edge within the vertical channel of the cutting table. Tighten the threaded knob to secure the miter block in place.
3. Place material onto miter block and you are ready to cut.

SETTING THE CUTTING DEPTH

The recommended cutting depth is $\frac{1}{4}$ " below the cutting table surface. To adjust the cutting depth, loosen the cutting depth control knob and set the cutting head such that the lowest point of the blade is $\frac{1}{4}$ " below the table surface.

Blade Diameter	Cutting Depth
7"	1 $\frac{3}{4}$ "
10"	3 $\frac{1}{2}$ "

⚠ WARNING:

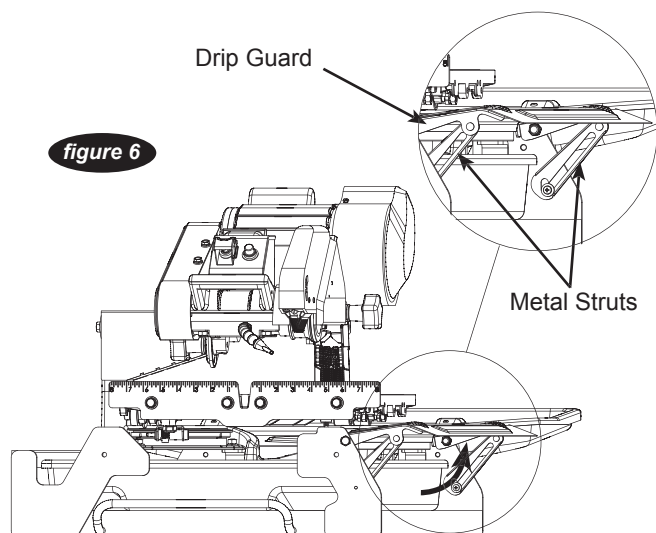
Setting the blade too low may damage the cutting table and if set too high, the blade may grab the material being cut, possibly causing injury to the operator and the saw.

USING THE DRIP GUARD

To minimize spillage, the saw features a side drip guard in addition to the rear drip tray to help collect runoff from the

right side of the cutting table.

1. Lift the drip guard flap, located on the right side of the saw frame, until the drip guard locks into place.
2. Now you may begin operating the saw.
3. When the saw is no longer in use, unlock the drip guard by lifting the base of the metal struts on either side and then lower the drip guard. **(see figure 6)**



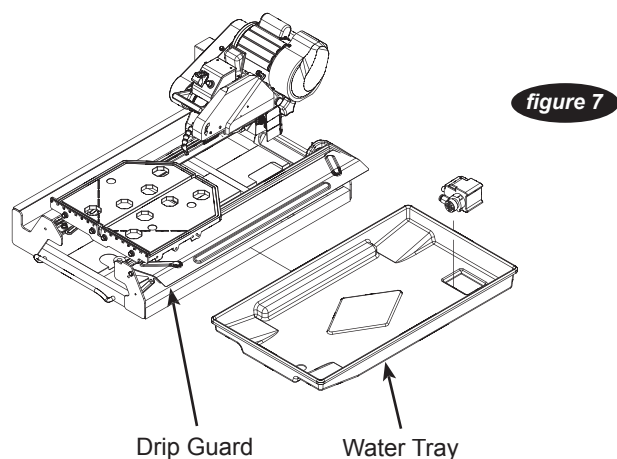
3. Flush water into the tray while holding it upright to remove any sludge buildup.
4. Return the water tray to its original position and close the drip guard flap to secure the water tray in place.

TRANSPORTING THE SAW

1. Ensure that the water tray is empty and dry.
2. Unplug the power cord and store it in the water tray.
3. Secure the cutting table to the front of the saw using the table retention device.
4. Tighten the cutting depth control knob.
5. Optionally the rear drip tray may be removed and set in the water tray for better handling.

CLEANING THE WATER TRAY

1. Remove the drain plug and water pump. Drain any water left inside the water tray.
2. Open drip guard flap and pull water tray out. **(see figure 7)**



Proper Blade Use

	Dos	Don'ts
Wet Cut Blades	• Inspect blades daily for cracks or uneven wear. • Always use appropriate blade for material being cut. • Inspect arbor shaft for uneven wear before mounting blade. • Always use blades with the correct arbor shaft size. • Ensure that blade is mounted in the correct direction. • Use proper safety equipment when operating the saw. • Always have a continuous flow of water on both sides of blade. • Secure the blade to the arbor with a wrench.	• Do not operate the saw without safety guards in position. • Do not operate the saw with blades larger than 10". • Do not cut dry with blades marked "Use Wet". • Do not exceed manufacturer's recommended maximum RPM. • Do not force blade into material. Let blade cut at its own speed.
Dry Cut Blades	• In addition to the following, always follow wet recommendations. • Use appropriate blade for material being cut. • Inspect segment blades for segment cracking or loss. • Do not use damaged blades. • Use proper safety equipment when operating the saw.	• In addition to the following, always follow wet recommendations. • Do not make long cuts with dry blades. Allow them to air cool. • Do not use the edge or side of blade to cut or grind. • Do not attempt to cut a radius or curve. • Do not cut too deep or too fast into the material. • Do not cut any material not recommended by blade manufacturer.

Care and Maintenance

WARNING:

For your safety, before performing any maintenance on the saw turn OFF the power switch and UNPLUG the power cord.

GENERAL RULES

- Always clean the machine before performing any maintenance/repair.
- Before performing any cleaning/maintenance/repair, the machine must be switched off with the main power switch.

Steps to Follow When Cleaning:

- Please do not use aggressive cleaners (i.e. containing solvents). Do not use high-pressure water jets, aggressive detergents or solutions and liquids with a temperature exceeding 86°F! Use a fluff-free cloth only.
- Use a cloth which may be lightly moistened only for removing dust and dirt. Hard packed dirt can be removed with a soft brush.
- For the sake of safety, no water/cleaning liquid/vapor may penetrate into the electric motor, connectors/plugs, switches, etc. Therefore cover all apertures, holes in the housing, connectors or plugs, etc. or seal them with adhesive tape!
- Use a soft, low-pressure water jet and a brush to rinse dirt and incrustations away. Be particularly careful when near hazardous parts of the machine (e.g. switch, motor). Clean the motor and switches only by wiping with a moist cloth.
- Do not “rinse” the bearings of the drive elements to prevent them from running dry. The ball bearings of the machine are permanently lubricated.
- After cleaning, remove all covers and adhesive tape! All screws/nuts which you may have loosened must be tightened again!
- After wet cleaning, try the machine on a power outlet which is equipped with a power breaker (i.e. fault current circuit breaker). If the fault current circuit breaker

cuts the power supply, the machine must be inspected by an authorized dealer prior to use!

CLEANING

After every use of the machine:

- Remove dirty water from container.
- Remove dirt and mud from the bottom of the container.
- Rinse the immersion pump with fresh water to prevent the water pump from clogging with residual dirt.

After wet cleaning and before using the machine again:

- Connect the machine to an electric power outlet equipped with a “GFCI” safety power breaker. If the safety power breaker cuts off the electrical power supply, do not try to operate the machine but have it checked by an authorized dealer first.

PROLONGED PERIOD OF NONUSE

Before not using the machine for a prolonged period of time:

- Clean and lubricate all movable parts. However, do not grease the guide rails.

After not using the machine for a prolonged period of time:

- Check that the stand is safely fixed.
- Check that all screw joints and nuts are fixed.
- Check that the cutting table is seated properly on the guide rails and that it moves easily along the entire length of the rails.
- With the saw blade removed, switch on the motor for an instant and switch it off again. If the motor does not run, have the machine inspected by a qualified electrician.
- Check that the immersion pump works properly. Turn on the cooling water tap and switch the machine on. If the pump does not give any water or only a little, switch the machine off at once. Clean the pump, or replace if necessary.

EXTREME TEMPERATURE

Ambient temperature below 32° F (Winter):

- To prevent the water in the pump and cooling system from freezing, remove the water after using the machine or when there will be a long break. Make sure that the cooling system is entirely drained so that there is no water left inside the pump and water hose!

WATER PUMP MAINTENANCE

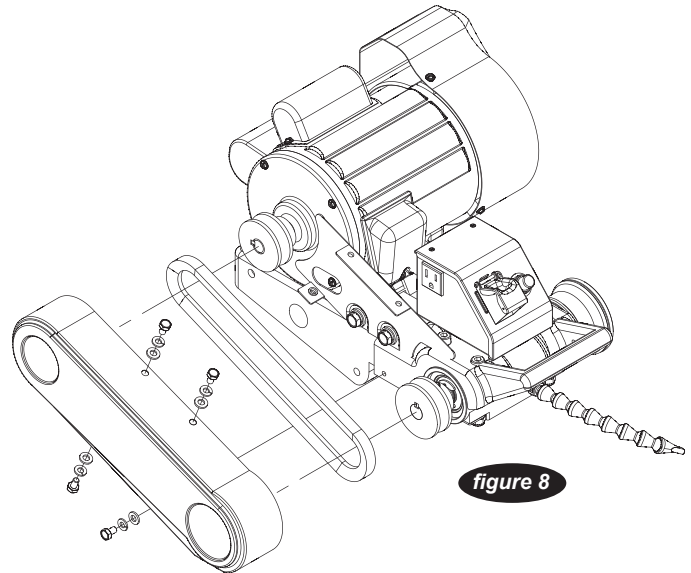
When the machine has not been used for a long period of time, hard packed dirt may begin to build up inside the pump and block the pump wheel. If the machine is activated with the immersion pump blocked, the electric motor of the pump will be damaged within a few minutes! Please follow the steps listed below to clean the pump before operating the saw:

1. Remove the immersion pump from the water container.
2. Clean the immersion pump.
3. Loosen the fixing screws of the pump lid.
4. Take the lid off the pump. Be careful not to damage or lose the gasket underneath.
5. Clean the pump lid.
6. Remove all dirt and incrustations from the pump wheel.
7. Check whether the pump wheel can be easily turned.
8. Then reassemble the immersion pump correctly and check whether it works properly.

BELT REPLACEMENT

1. Unplug the saw before proceeding any further.
2. Loosen and remove the four bolts located above and below the belt guard and then remove the belt guard. (see figure 8)
3. Loosen the four bolts located at the base of the motor.
4. Use a hex wrench to access the socket hex bolt located at the rear of the cutting head. Turn wrench to move the motor forward, thus providing some slack in the belt.
5. Remove existing belt and replace with a new belt.

6. Perform steps 1 through 4 in reverse to tension the belt and reinstall the belt guard. Make sure the belt is at the proper tension before tightening the four bolts at the base of the motor.



REALIGNMENT

Method 1:

This procedure deals with the most common source of misalignment that occurs when the guide rails are not parallel with the blade.

1. Set the cutting depth such that the blade passes through the table, not over.
2. Place a straight edge (i.e. carpenter's square) on the cutting table as shown in **figure 9**.
3. Loosen the left and right guide rails by loosening the fasteners found at the ends of the rail. (**see figure 9**) The left rail should be slightly loose, so there is not too much play during adjustments, but the right rail should move freely.

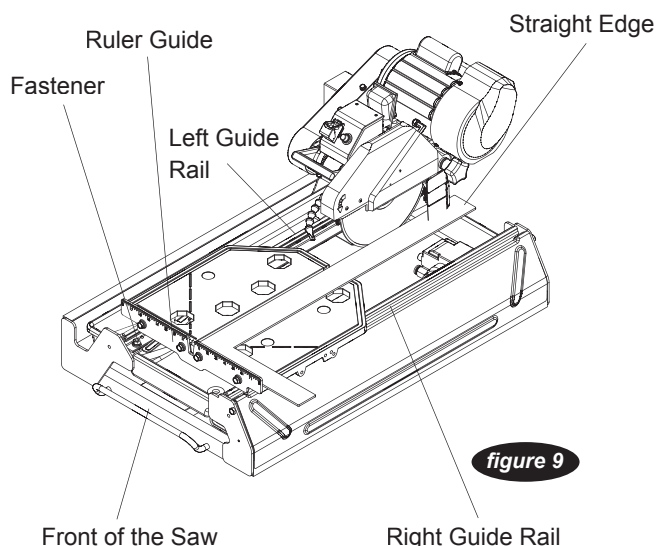


figure 9

4. Make sure the short portion of the straight edge is placed flush against the ruler guide. Adjust the left guide rail so that the front and rear edges of the blade touch the straight edge, although a tolerance of 0.1mm between the front and rear edges is allowed. Perform this adjustment along the entire length of the straight edge.
5. Position the table as close to the user as possible. Place the straight edge flush against the ruler guide and blade. Without holding onto the straight edge, gently move the table towards the rear of the saw and then back. Observe any gaps that may appear between the straight edge and blade or between the straight edge and ruler guide. A gap exceeding the allowed tolerance

means that the table is not moving parallel to the blade; hence, further adjustments as outlined in step 4 will be required. However, if scenario A or B described below occurs, other adjustments may be required instead.

- A. If the straight edge only touches the blade when the table is positioned midway along the rail or at the ends of the rail, then the rail may be deformed (i.e. bowed). (**see figure 10**) Perform test cuts to determine if the rail should be replaced. Typically a bowing displacement of up to 0.2mm will not affect cutting accuracy.



figure 10

- B. If the straight edge touches both edges of the blade initially, but shifts apart as the table travels along the rail, proceed to method 2 below.

6. Tighten the fasteners at both ends of the left rail.
7. Adjust the right guide rail so that the horizontal rollers underneath the table engage the rail as shown in **figure 11**. In most cases the rollers will not have to be vertically adjusted. Spacing between rails must be equidistant at all points to ensure that they are parallel. Once adjustments are made, lightly tighten the fasteners on the right rail and move the table back and forth. If the table binds against the rail at any point, adjust spacing accordingly until the table moves smoothly.
8. Tighten the fasteners at both ends of the right rail.

If alignment has been achieved do not proceed to method 2.

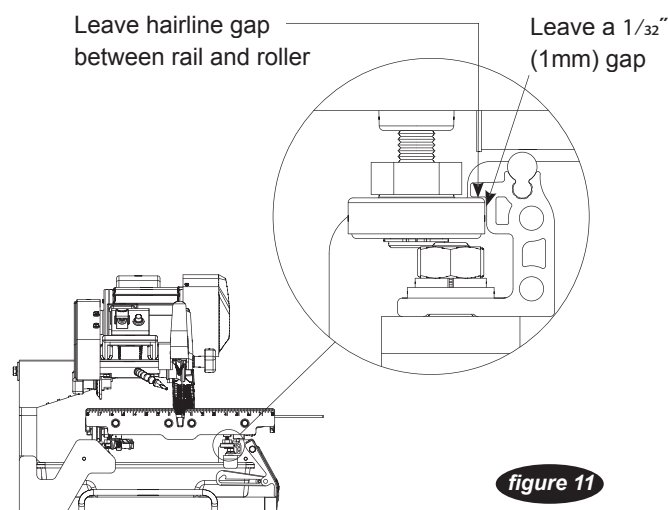
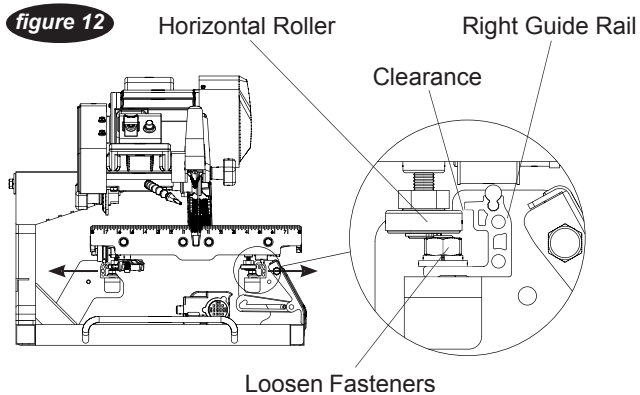


figure 11

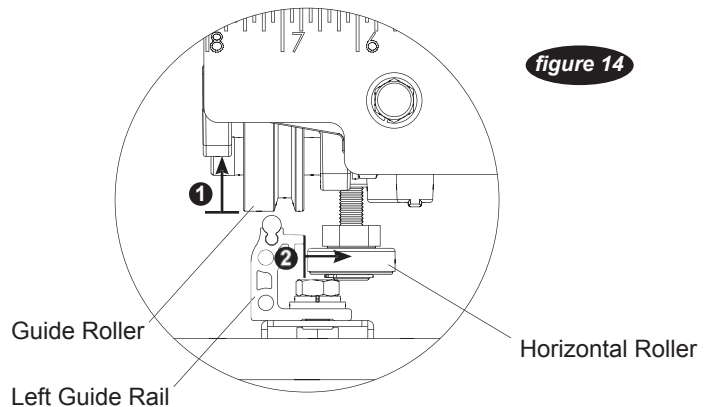
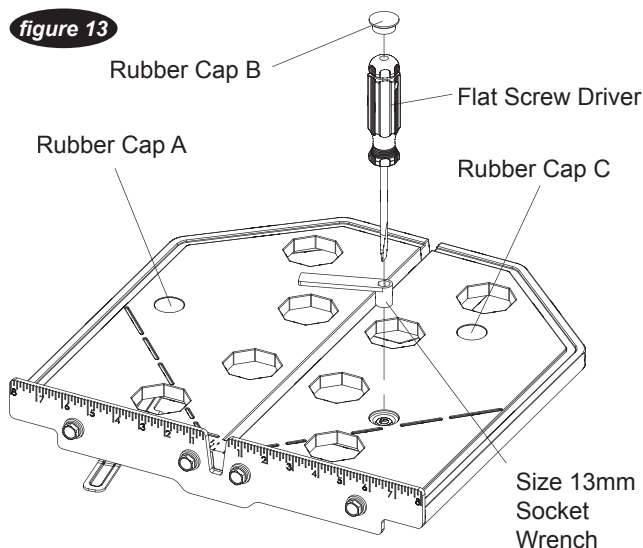
Method 2:

This procedure corrects another source of misalignment that occurs when the table's orientation is not parallel with the guide rails.

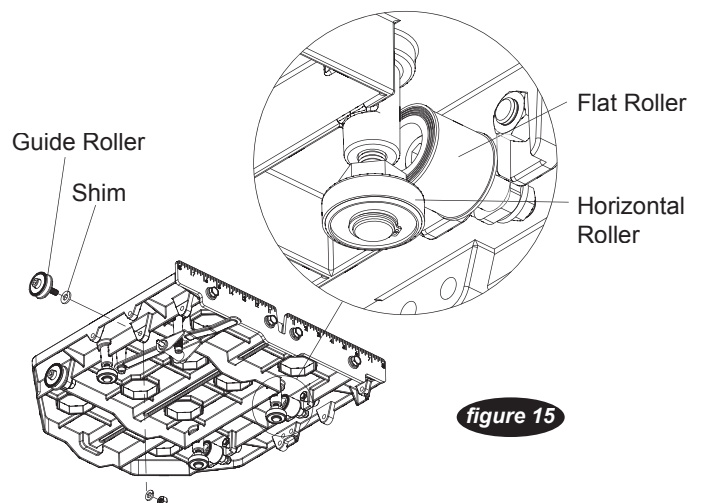
1. Use the universal wrench to loosen (but not remove) the fasteners from either end of both guide rails. Move each rail away from the other, so that the horizontal rollers are clear of the right guide rail. (see **figure 12**)



2. Remove rubber cap A on the left side of the table. Loosen the exposed lock nut using a 13mm socket wrench. Use a flat screwdriver to turn the shaft of the roller clockwise to lower it by approximately 3/8". (see **figure 13**) Evenly lift up the table to disengage the guide rollers from the left guide rail. Once the guide rollers are clear, shift the table to the right to clear the left horizontal roller of the rail. Remove the table from the guide rails. (see **figure 14**)



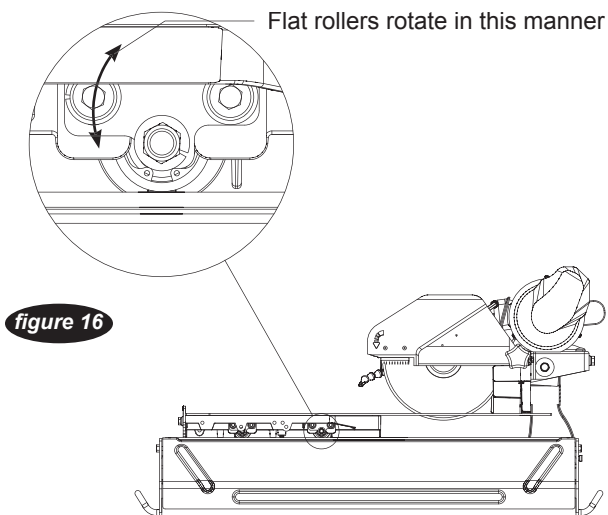
3. If the table shifts to the right as it travels away from the user, a shim needs to be added to the guide roller furthest from the ruler guide. On the other hand, if the table shifts to the left, a shim needs to be added to the guide roller closest to the ruler guide. Remove the appropriate guide roller to insert a shim between the roller and table, then reattach. (see **figure 15**) Depending on the severity of the shift, more than one shim may be required.
4. After adding shim(s), mount the table onto the guide rails by reversing the instructions in step 2. Move the rails toward each other to engage the horizontal rollers to the right guide rail as shown in **figure 11**. Realign the table to the blade using method 1. Check to see if any shifting persists. A shift tolerance of 0.2mm is allowed. A shift in excess of that will require further adjustment—repeat step 3.



LEVELING ADJUSTMENT

This procedure levels the table so that it is perpendicular to the blade and flush against the rails.

1. Remove rubber caps B and C on the right side of the table. Loosen the exposed lock nuts using a socket wrench. Next, use a flat screwdriver to turn the shaft of the rollers clockwise. **(see figure 13)** This will lower the horizontal rollers to allow room for adjusting the flat rollers.
2. Loosen the socket bolts on the flat roller plate so that the roller can swing freely about one bolt. **(see figure 16)** Do this for both flat roller plates.
3. Hold the table against the guide rails. The flat rollers should reposition themselves to maintain contact with the guide rails. If the table is not perpendicular to the blade, lift the right side of the table instead to obtain the proper angle. A square tool will be required to confirm the angle. Tighten the socket bolts. Check the table for play. Repeat step 2 if some play is still present.
4. Restore the horizontal rollers to their original positions as shown in **figure 11** by reversing the instructions in step 1. Be sure to tighten the lock nuts and replace the rubber caps.



Electrical Specifications

	CC1000T
Power	1½ HP
Volts	115 V
Amps	15 A
Motor RPM	3450 RPM
Cycle	60 Hz
Phase	1

RECOMMENDATIONS

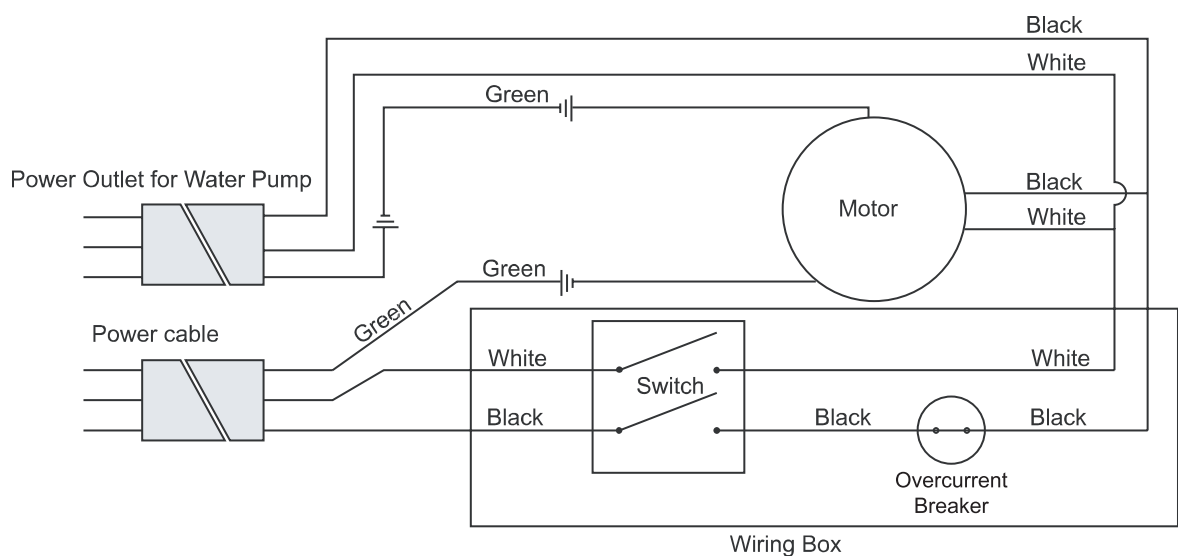
- It is recommended that a 15 amp circuit be used while operating this saw. This will prevent any loss of power or interruption.
- Always plug saw as close as possible to the power source while operating. This will allow you to receive optimum electricity.

 **WARNING:**
To avoid permanent motor damage you must use the correct extension cord. Never use more than one extension at a time. Follow the chart below for proper size.

EXTENSION CORD CHART

Wire Gauge	Length of Cord
No. 12	25'
No. 10	50'
No. 8	75'

ELECTRICAL WIRING DIAGRAM



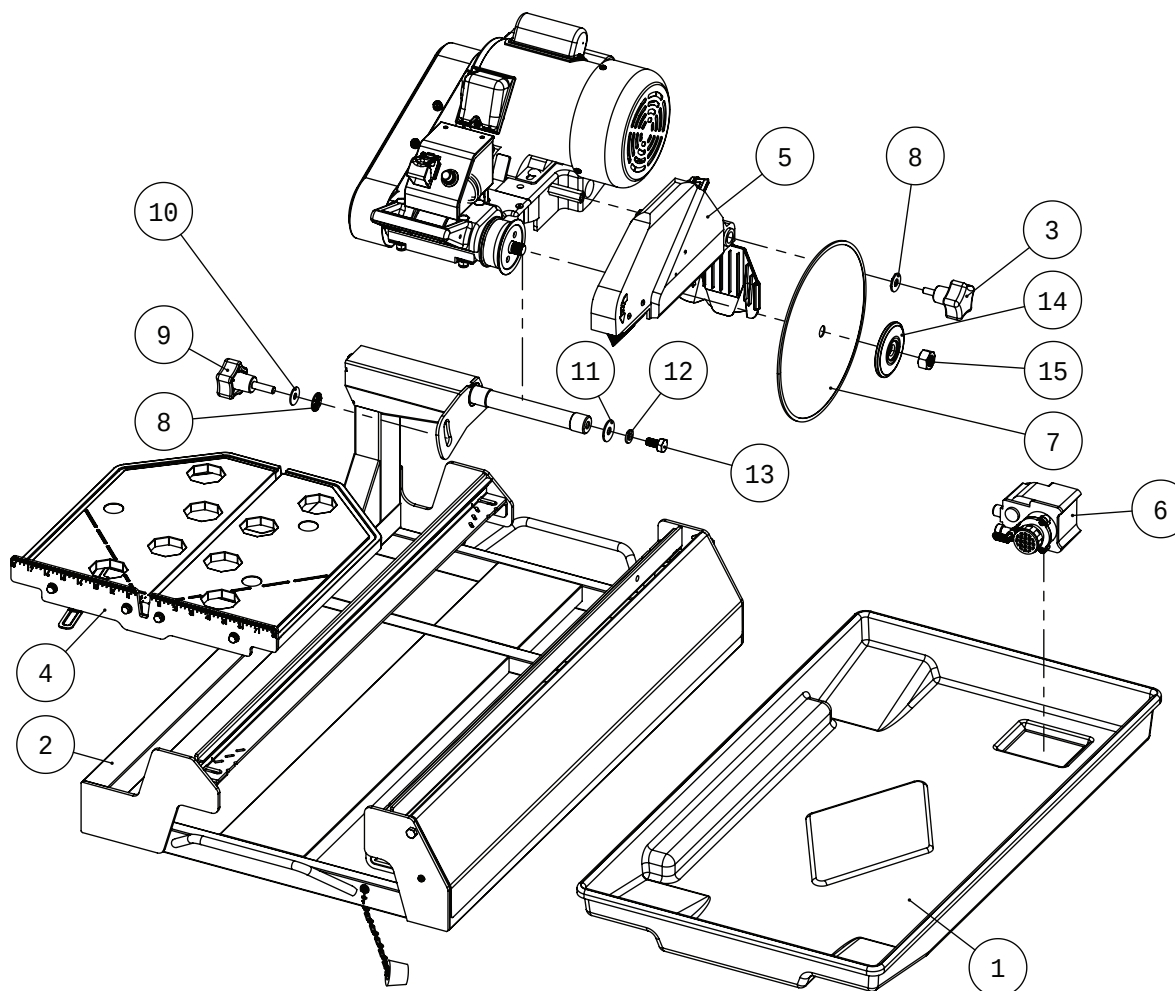
Troubleshooting

Problem	Possible Cause	Solution
Machine does not run when switched on	Power cord not properly fixed/ plugged in	Check that the machine is properly connected to the power supply
	Power cord defective	Have the power cord checked, replace if necessary
	Main power switch defective	Have the main power switch checked and replace if necessary by a qualified electrician
	Loose electrical connection inside the electric system	Have the whole electric system of the machine checked by a qualified electrician
	Motor defective	Have the motor checked and replaced if necessary by a qualified technician
Motor stops (power cut out)	Too much pressure exerted while cutting	Exert less pressure when cutting
	Incorrect specification for saw blade	Use a saw blade which corresponds to the material being cut
	Saw has a defective electric system	Have the electric system of the saw checked by a qualified technician
Poor machine performance, little power	Power cord/extension cable too long or cable still wound up inside cable drum	Use a power cord/extension cable of the rated length, use a cable drum with cable fully extended
	Power network is insufficient	Observe the electrical ratings of the machine and connect it only to a power network which complies with these ratings
	Drive motor no longer runs at rated speed (RPM)	Have the motor checked by a qualified electrician and have it replaced if necessary

Problem	Possible Cause	Solution
Insufficient flow of cooling water or no cooling water at all	The pump draws air	Fill the container with water
	Filter clogged	Clean the filter of the pump
	Pump wheel of the immersion pump blocked by dirt	Disassemble the immersion pump and clean
Irregular run of the saw blade	Poor tension in the blade material	Return the saw blade to the manufacturer
Saw blade wobbles when running	Saw blade is damaged or bent	Have the saw blade aligned / flattened
		Clean the receiving flange
		Solder the diamond segments of the old blade onto another saw blade or use a new blade
	Flange of the saw blade is damaged	Replace the saw blade flange
	Shaft of the motor is bent	Replace the electric motor
Diamond segment becomes loose	Overheating of the saw blade; cooling water not sufficient	Have the diamond segment soldered on the blade again; ensure optimum flow of cooling water
Excessive wear	Wrong type of saw blade	Use harder saw blades
	Shaft of motor causes wobbling	Have bearings of the motor or the motor replaced
	Overheating	Ensure optimum flow of cooling water
Cracks in or near the diamond segment	Saw blade too hard	Use a softer blade
	Fixed flange is worn out	Replace the fixed flange
	Motor shaft bearing	Replace the bearing of the motor shaft

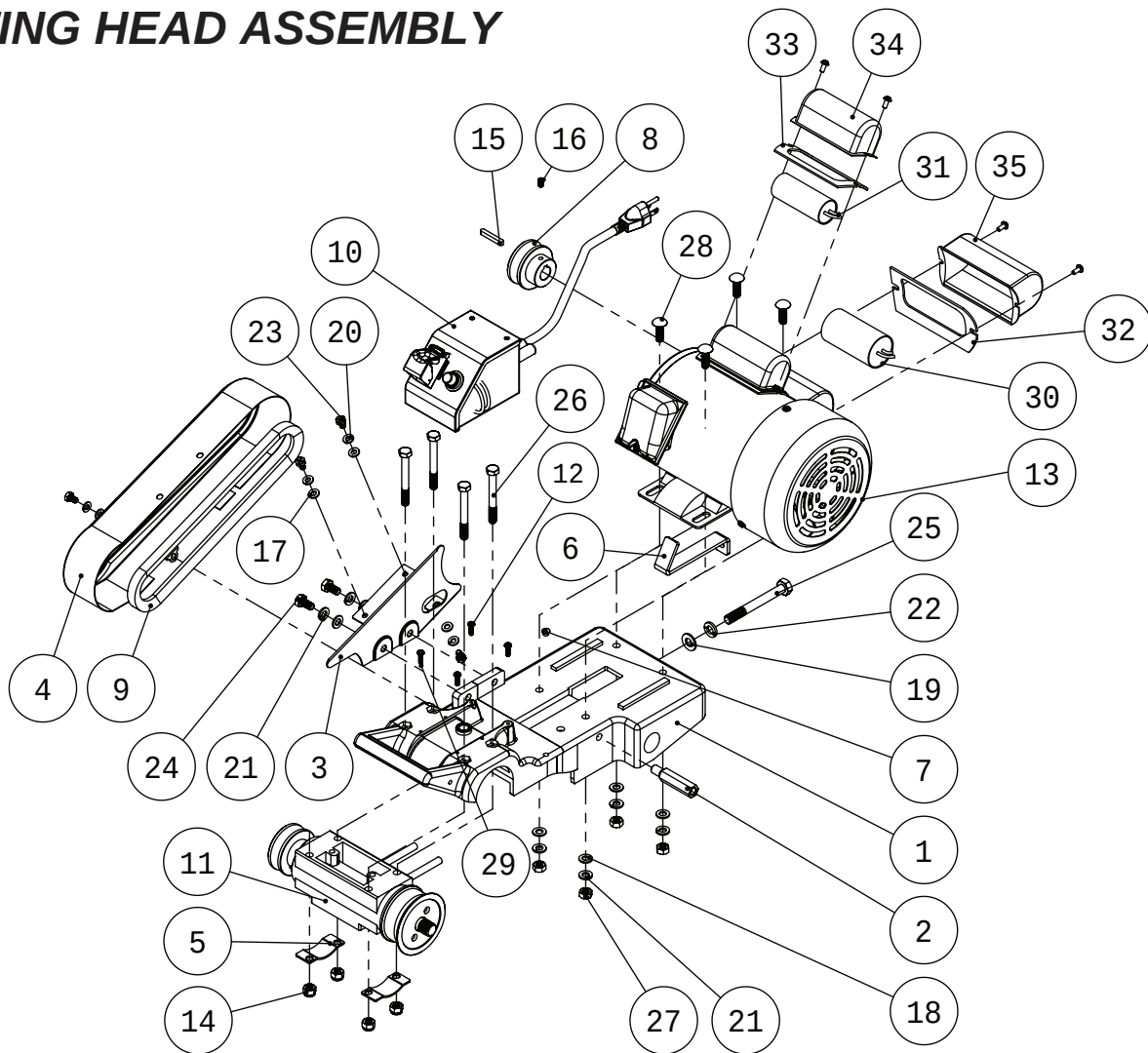
Problem	Possible Cause	Solution
Saw blade is blunt	Saw blade type is unsuitable for the material being cut	Use appropriate type of saw blade
	Saw blade type is unsuitable for the machine performance	
	Saw blade too hard	
	Diamond segments are blunt	Sharpen the diamond saw blade
Appearance of cut is not optimal	Poor tension in the blade material	Return the saw blade to the manufacturer
	Too much load placed on the saw blade	Use a suitable saw blade
	Diamond segments are blunt	Sharpen the saw blade
The center hole in the saw blade has become wider due to wear	The saw blade has slipped on the motor shaft when running	The arbor of the saw blade must be fitted with an appropriate adaptor ring
		Check the receiving flange and have it replaced if necessary
Saw blade shows blooming colors	Saw blade overheating due to a lack of cooling water	Ensure an optimum flow of cooling water
	Lateral friction when cutting	The material feed is too high; proceed more slowly
Grinding marks on the saw blade	Material is not being fed parallel to the saw blade	Ensure that the direction of feed is absolutely parallel to the saw blade
		Adjust the roller table or have it adjusted
	Poor tension in the blade material	Have the saw blade tensioned
	Too much load on the saw blade	The material feed is too high, proceed more slowly

MAIN ASSEMBLY



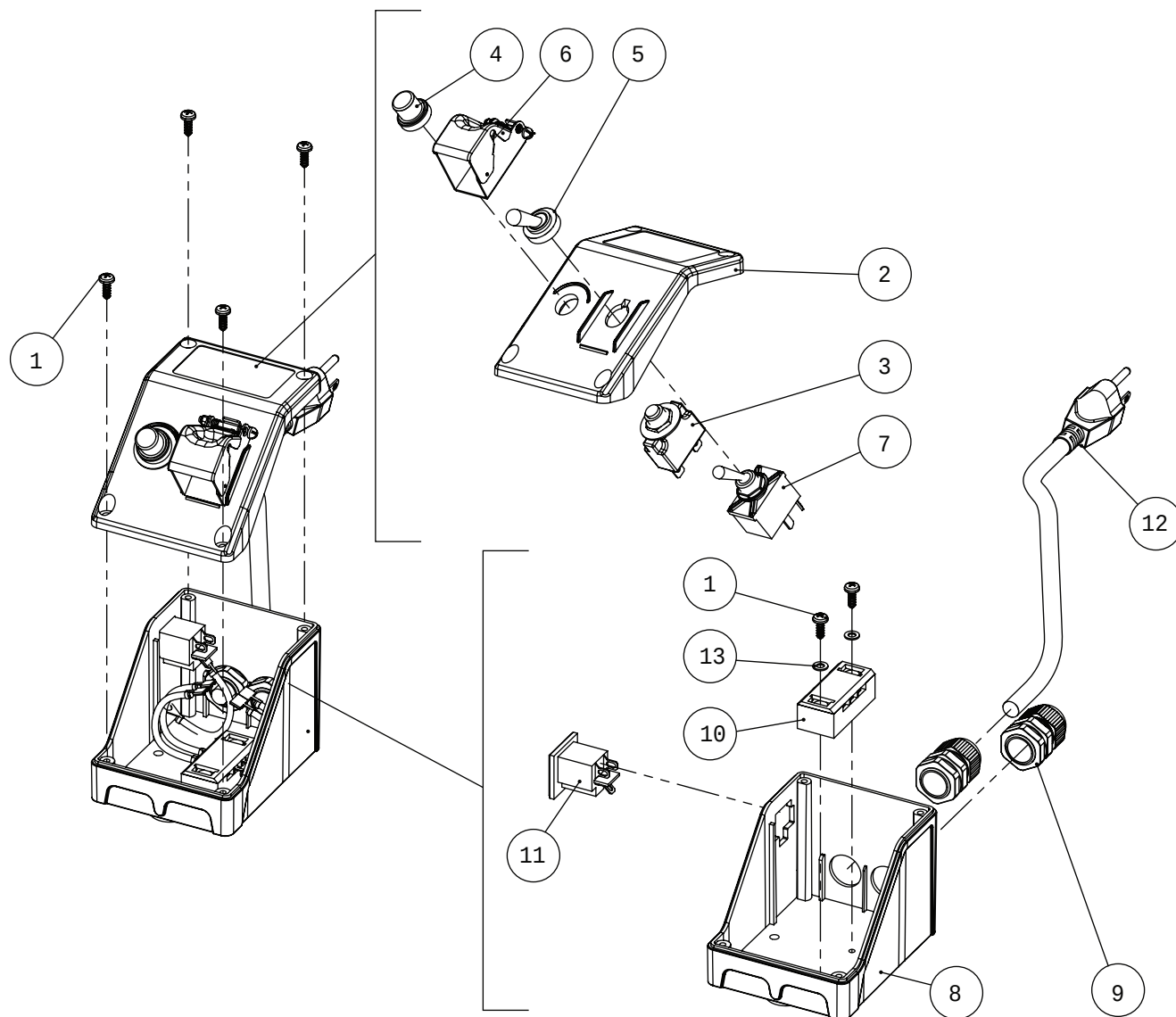
	DESCRIPTION	PART NO
1	Water tray	6043189
2	SDT1000XT Frame assembly	6043714
3	Male 5/16 - 18 UNC x 3/4L Star type knob	6043027
4	Cutting table assembly	6043651
5	10" 1000Jr Blade guard assembly	6043183
6	Water pump	6043303
7	10" (254mm) Cont. general purpose blade	
8	3/8 Waved lock washer	2902016
9	Male 3/8 - 16 UNC x 32L Star type knob	6043715
10	M8 Very Big Washer	2901336
11	M10 Very Big Washer	2901356
12	M10 Spring Lock Washer	2900321
13	M10 x 1.5 x 20L Hex bolt	2501801
14	Outer flange	6043088
15	5/8 - 11 UNC Nut	6043026

CUTTING HEAD ASSEMBLY

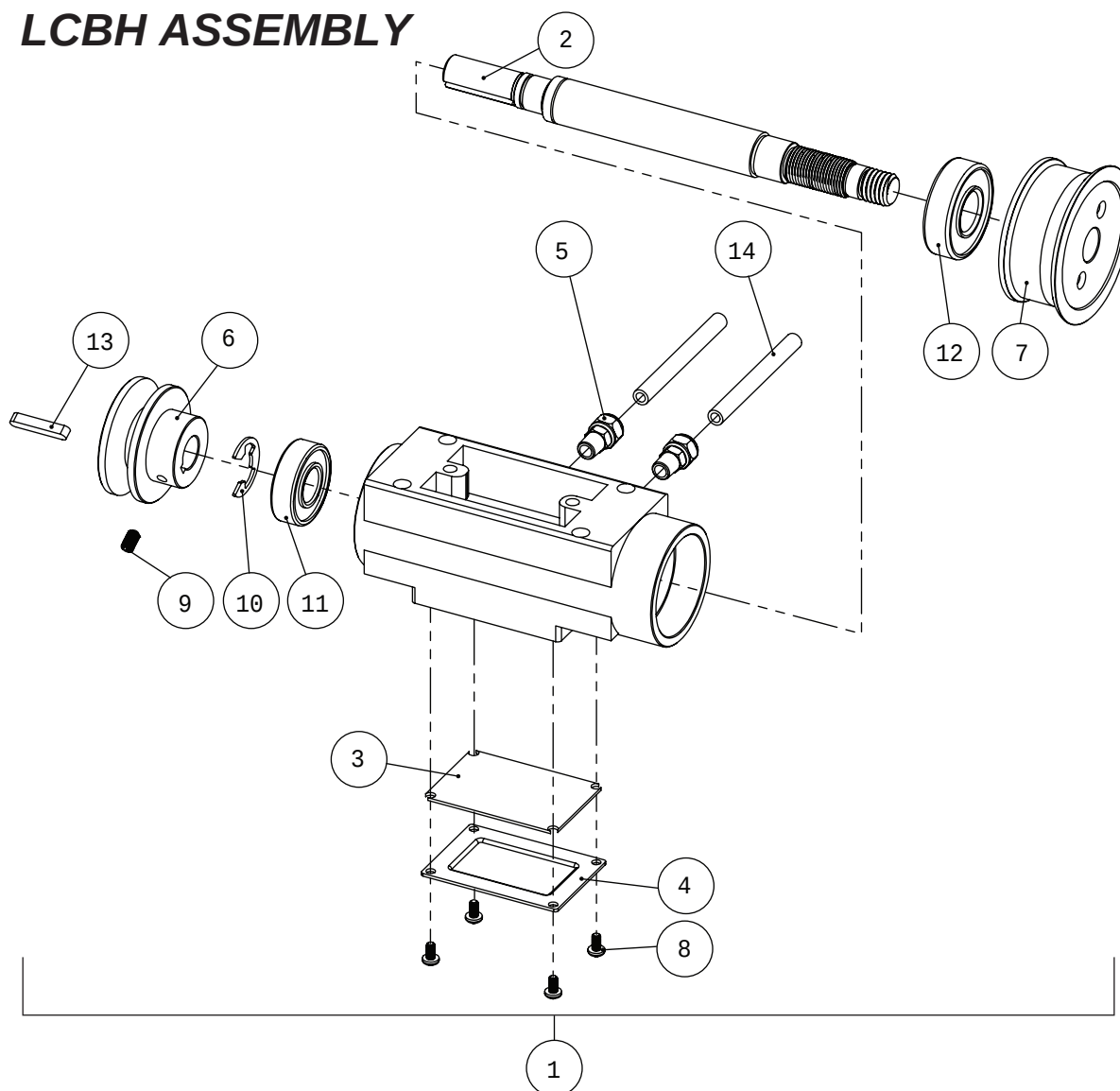


	DESCRIPTION	PART NO
1	Mounting Plate	6043726
2	Blade guard pivoting mount	6045281
3	Belt guard bracket	6043131
4	Belt guard	6043178
5	LCBH bracket	6043218
6	Motor tension bracket	6043151
7	D6 Circular rubber stop	6043727
8	D53.98mm V-belt pulley	6043015
9	3250 13X610Li V-belt	6043128
10	Power switch assembly (plastic)	6043728
11	LCBH Assembly	6043331
12	M4 x 0.7 x 12L Cross screw	2902209
13	Complete 1-1/2HP Ind. motor Type 2	6043175
14	M8 x 1.25 Nylon Nut	2902210
15	5 x 5 x 30L Square key	6043016
16	M6 x 1.0 x 10L Flat point set screw	2902206
17	M6 Narrow Washer	2707862
18	M8 Narrow Washer	2901583
19	M10 Narrow Washer	2901356
20	M6 Spring Lock Washer	2707861
21	M8 Spring Lock Washer	2900763
22	M10 Spring Lock washer	2900321
23	M6 x 1.0 x 10L Cross hex bolt	2902208
24	M8 x 1.25 x 16L Hex bolt	2900868
25	M10 x1.5 x75L x26 Cap Hex bolt	2902211
26	M8 x 1.25 x70L x30 Socket hex bolts	2902212
27	5/16"-18 UNC NUT	2902213
28	5/16"-18 UNC x 20L Square neck bolt	2902214
29	M4 x 0.7 x 12L Cross screw	2902215
30	Starting capacitor	6043124
31	Running Capacitor	6043176
32	Starting capacitor gasket	6043729
33	Running capacitor gasket	6043730
34	Running capacitor cover	6045091
35	Starting capacitor cover	6045092

POWER SWITCH ASSEMBLY

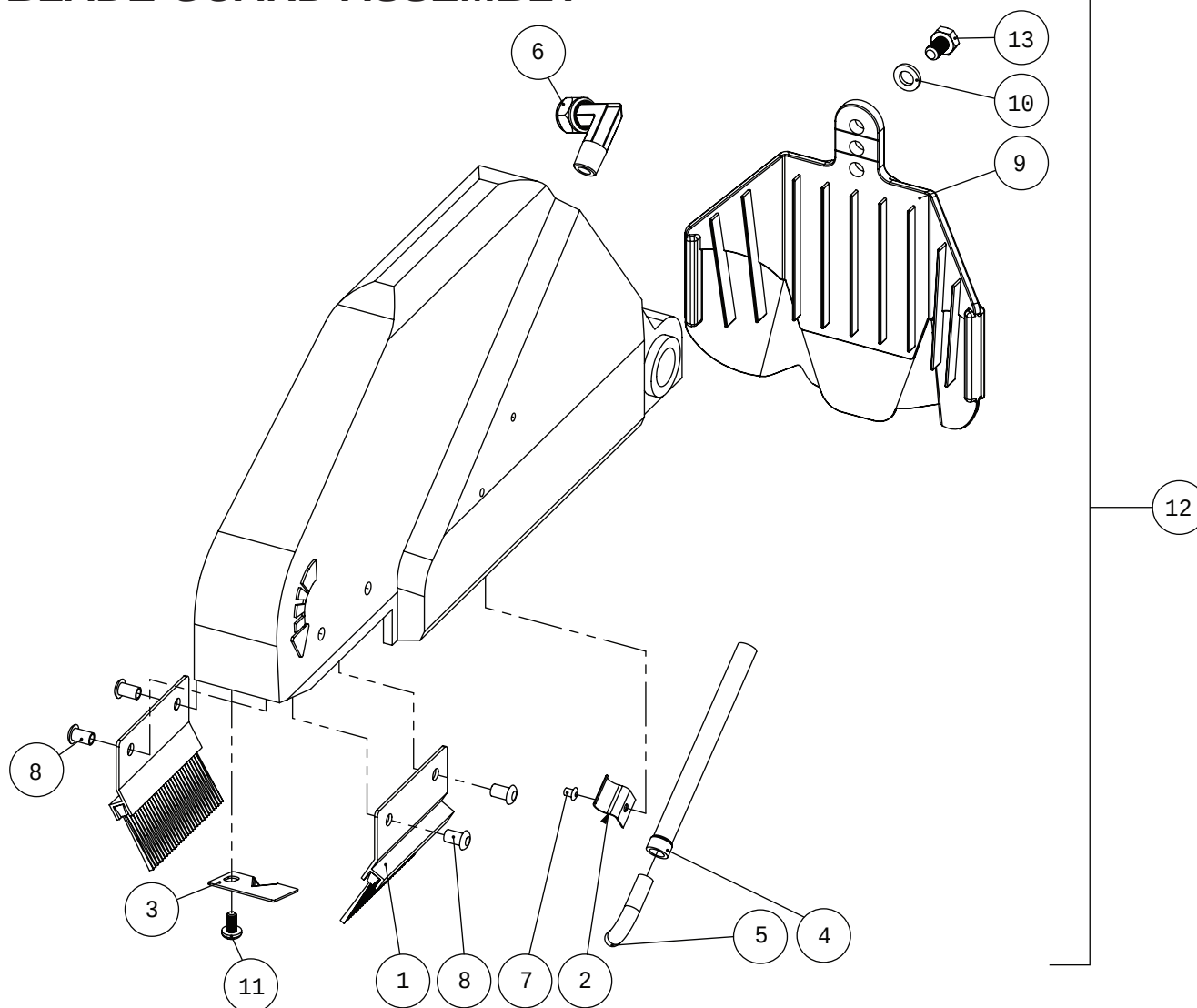


	DESCRIPTION	PART NO
1	M4 x 1.59 x 12L cross tapping screw	2707879
2	Switch box upper housing	6043705
3	20Amp Circuit breaker	6043012
4	Reset button boot	6043706
5	Power switch boot	6043707
6	Power switch shield	2501830
7	20A 125V Toggle switch	6043708
8	Lower housing	6043709
9	PG-11 Cable gland	6043710
10	Junction box	6043711
11	5-15R Power receptacle	6043712
12	16AW Gx3C Power cable	6043007
13	M4 Teflon washer	6043713

LCBH ASSEMBLY

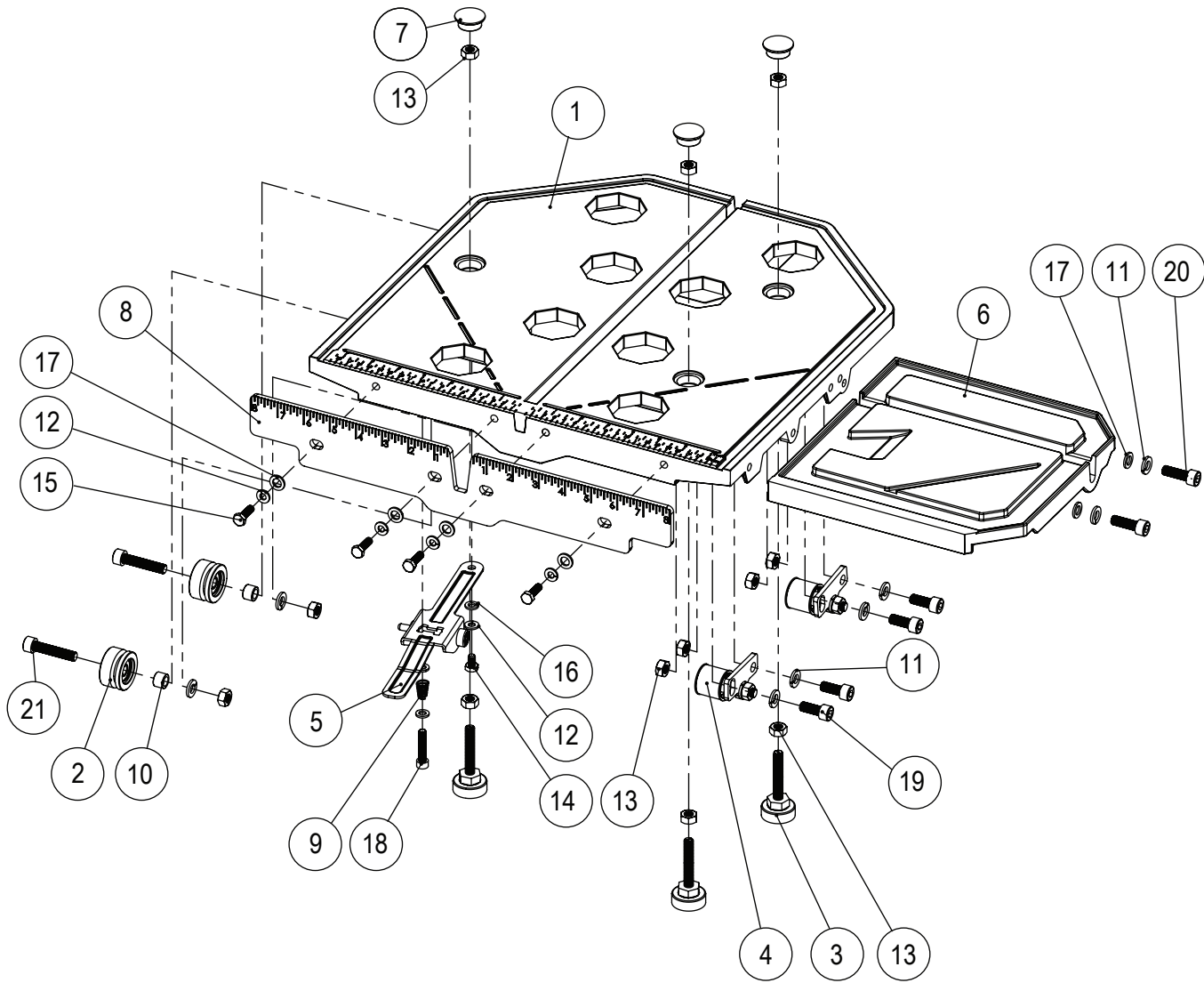
	DESCRIPTION	PART NO
1	Bearing housing complete	6043331
2	Blade shaft	6043023
3	Rubber gasket	6043716
4	Water channel cover	6043717
5	1/4" Tube male X 1/8" PT male straight comp.	6043567
6	D57.2mm V-belt pulley	6043334
7	Inner flanges	6043024
8	M4 x 0.7 x 8L Cross screw	6043405
9	M6 x 1.0 x 10L Flat point set screw	2902206
10	M15 External E-clip	2902207
11	D40 d17 Radial bearing 6203 ZZ	6043022
12	D47 d20 Radial bearing 6204 ZZ	6043351
13	5 x 5 x 30L Square key	6043016
14	D8 x d5 hose (1 ft)	6043485

BLADE GUARD ASSEMBLY

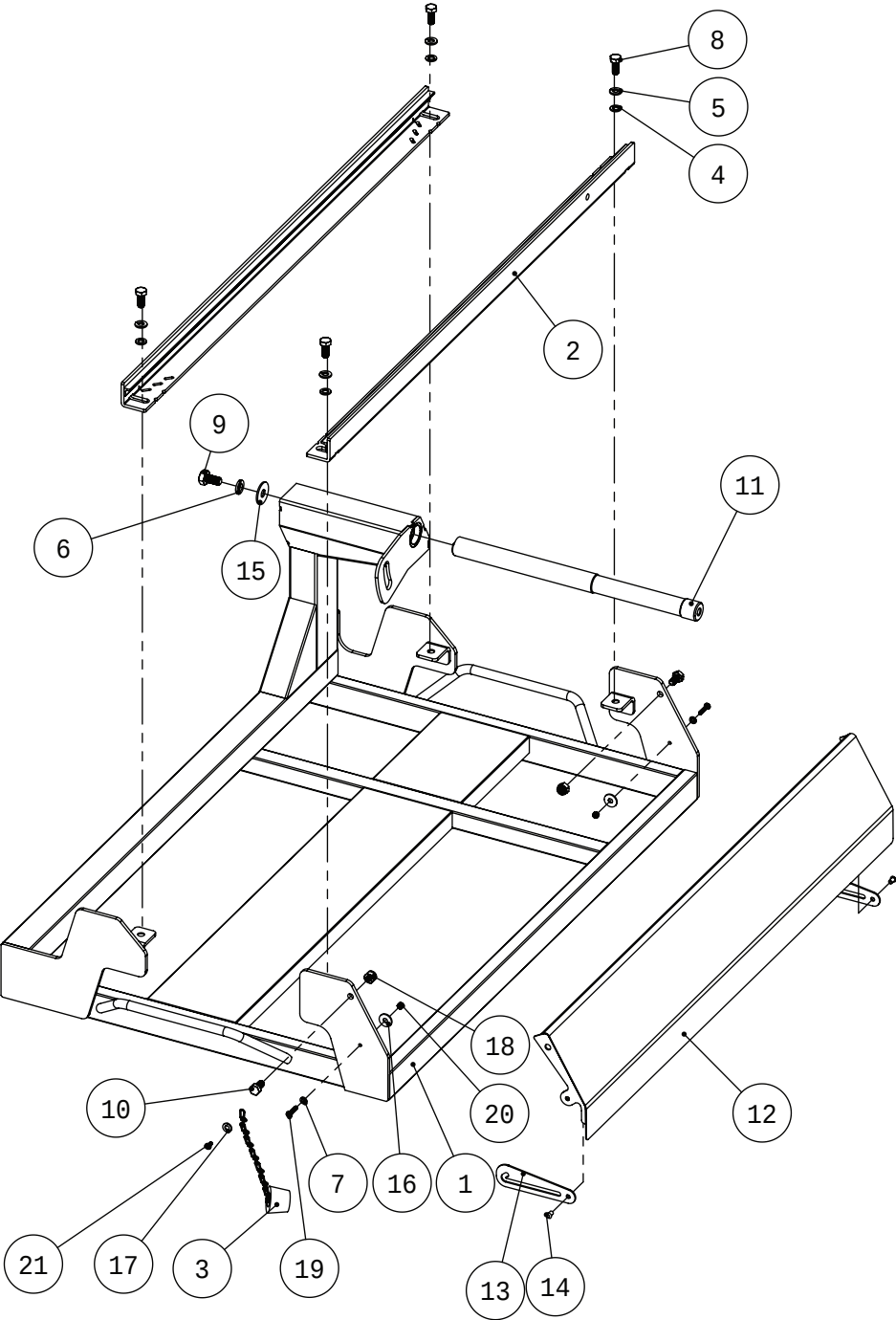


	DESCRIPTION	PART NO
1	60L Water brush w 2 rivets	6043046
2	Retaining clip	6043731
3	Forward splash stop	6043732
4	D8 x d5 hose (1 ft)	6043485
5	D6.4mm 90 degree elbow pipe	6043733
6	D8 90 Degree elbow hose connector	6043051
7	M3 Standard rivet	2902216
8	M5 Standard rivet	2902217
9	Splash guard	6043734
10	M6 Narrow washer	2707862
11	M4 x 0.7 x 10L Cross screw	2902019
12	10" Blade guard complete	6043183
13	M6 x 1.0 x 10L Cross hex bolt	2902208

TABLE ASSEMBLY



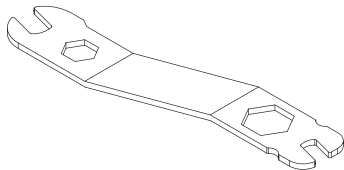
	DESCRIPTION	PART NO
1	Cutting table assembly	6043651
2	Guide roller type 10 (2)	6043718
3	Horizontal roller	6043719
4	Flat roller assembly (2)	6043720
5	Spring lock assembly	2501828
6	Side extension table	6043721
7	Rubber cap	6043722
8	Cutting fence	6043723
9	Conical spring	6043724
10	D12.7 d8.5 X 9L Spacer	6043725
11	M8 Spring Lock Washer	2900763
12	M6 Spring Lock Washer	2707861
13	M 8 x 1.25 Nut	2900343
14	M6 x 1.0 x 10L Hex bolt	2902208
15	M6 x 1.0 x 20L Hex bolt	2900310
16	M6 Narrow washer	2707862
17	M8 Narrow washer	2901583
18	M6 x 1.0 x 30L Socket head hex screw	2900345
19	M8 x 1.25 x 20L Socket head hex screw	2900243
20	M8 x 1.25 x 25L Socket head hex screw	2900161
21	M8 x 1.25 x 40L Socket head hex screw	2902024



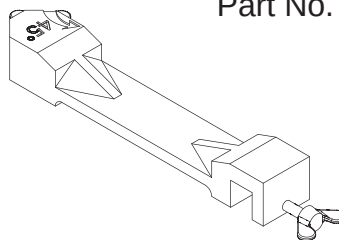
	DESCRIPTION	PART NO
1	Frame weldment	6043700
2	848L Left/Right Rail weldment	6043701
3	Water plug assembly	6043381
4	M8 Narrow washer	2901583
5	M8 Spring Lock Washer	2900763
6	M10 Spring Lock Washer	6043411
7	M5 Spring Lock Washer	2900767
8	M8 x 1.25 x 20L Hex bolt	2902200
9	M10 x 1.5 x 20L Hex bolt	2501801
10	M8 x 1.25 x 16L Hex bolt	2900868
11	D25 X 309L Head shaft	6043702
12	Water tray flap weldment	6043703
13	Flap arm hinge	6043704
14	M5 Rivet	2902201
15	M10 Very Big Washer	2902202
16	M5 Narrow washer	2707863
17	M4 Narrow washer	2902203
18	M8 x 1.25 Nylon Nut	2900303
19	M5 x 0.8 x 20L Cross screw	2902204
20	M5 x 0.8 Nylon Nut	2902205
21	M4 x 1.59 x 10L cross tapping screw	2707884

Accessories

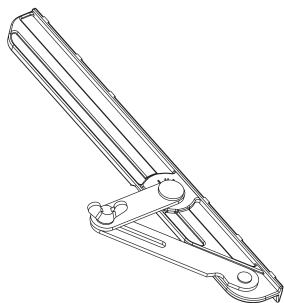
Universal Wrench
Part No. 6043049



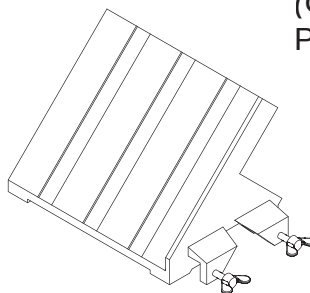
45°/90° Rip Guide
Part No. 6043005



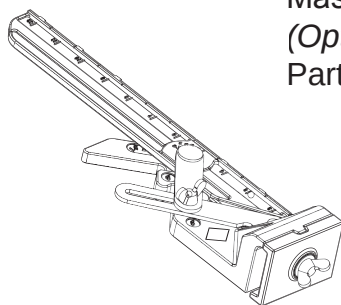
Detachable Ruler Guide
(Optional)
Part No. 6043318



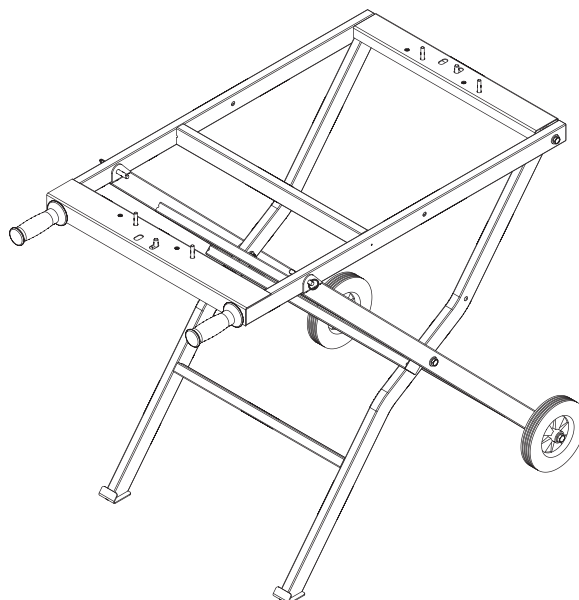
Miter Block
(Optional)
Part No. 6030043



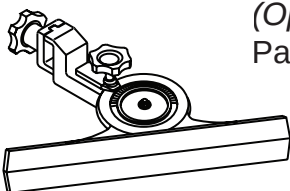
MasterGuide
(Optional)
Part No. 6043319



Saw Stand
(Optional)
Part No. SDT-1000SW



180° Adjustable Angle
Guide
(Optional)
Part No. 6043004



How to Order

INFORMATION NEEDED FOR ORDERING PARTS

- Serial number of the saw
- Model number of the saw
- When and where the saw was purchased
- Part number and description

TO ORDER

All parts may be ordered from your local dealer. If the part is not stocked locally, call our customer service department at 1-888-688-6899 or you may visit us at www.diamond-products.com.

PRICES

All orders are subject to prices and terms of sale in effect on date of shipment. Prices may change to reflect market trends in the industry, so that our products remain competitive in quality and pricing. As such, prices are subject to change without notice.

Promotional prices and discounts are subject to verification after order is placed. The customer will be notified if there are any errors found in pricing that affect the invoice amount.

DELIVERY & FREIGHT

Orders may include diamond blades and tools, saws, parts and accessories. All other orders not meeting this amount are subject to freight charges, which will be included on the invoice once it is determined.

Diamond Products reserves the right to select origin of shipment, routing and method of transportation.

Premium freight charges (such as air freight) will be at the purchaser's expense (shipped collect or added onto invoice).

Products not in stock when order is placed will be shipped as soon as possible thereafter.

RETURN MERCHANDISE AUTHORIZATION (RMA)

No products are to be returned without prior written authorization and then only in accordance with the company's instructions and terms. Proof of purchase (e.g. copy of original invoice) along with serial numbers for all equipment should accompany all RMA requests.

All returned products must be in sellable condition, include all components, and be packed in original packaging. The RMA number assigned by customer service must be clearly marked on the accompanying packing slip. Any returns not satisfying these conditions will be promptly returned to the customer at their expense. The customer assumes all freight charges and is liable for the purchase value of any damaged goods.

Customer Service

AFTER SALE SERVICE

All customer service (e.g. technical questions, reordering of parts, etc.) will be provided by Diamond Products. All spare parts for after sales service will be stocked and shipped from our warehouse.

CLAIMS FOR LOST OR DAMAGED GOODS

If merchandise is delivered in damaged condition or carton are missing, a notation must be placed on all papers signed by the receiver.

If unreported or concealed damages are noticed after delivery, the carrier should be contacted by telephone and if carrier fails to send an inspector within five days, a request should be made in writing to the carrier, confirming the telephone request for an inspection.

All requests for credit due to transportation loss or damage should be accompanied by properly signed papers. A claim for loss or damage must be filed with the carrier within 60 days from the shipping date for UPS or other common carriers. Credit cannot be allowed for damage claims that are not properly sustained with supporting papers or received by Diamond Products too late for timely filing with the carrier.

Contact Us

We at Diamond Products pride ourselves on our customer service. If you have any questions regarding our products, whether it may be product inquiry or troubleshooting, please don't hesitate to contact us. We will do our best to answer your questions. In some cases we may even refer you to a local sales representative that can better service you. You can call us at the contact information listed below:

CUSTOMER SERVICE

Phone: (800) 321-5336

Email: dp@diamondproducts.com

Web: www.diamondproducts.com

Warranty

SAWS

For a period of one (1) year from the original date of purchase, if the product is determined to be defective, Diamond Products will repair or replace the product, at its option, at no charge to the customer, or pay the associated repair costs to an authorized service facility. All replacement parts, new or rebuilt, supplied at Diamond Products's option for repairs will be warranted for the remainder of the original warranty period of one (1) year. All defective products or components replaced under this limited warranty will become the property of Diamond Products. This limited warranty excludes all components not manufactured by Diamond Products, which are listed below with their corresponding independent warranty periods. Such components are warranted by their respective manufacturer, whose warranty will be the governing warranty for that particular product.

EXCLUDED COMPONENTS	MANUFACTURER'S WARRANTY
Electric Motors	1 Year
Water Pumps	Varies by model. See accompanied warranty for details.

DIAMOND BLADES AND TOOLS

If the bond between the steel core and segment or rim fails during the normal useful life of the blade, Diamond Products will replace the blade at no cost to the customer.

This warranty does not cover cosmetic damages or damages due to (1) misuse, abuse, negligence, accident, or modifications of the product or any of its components; (2) improper operation or failure to provide reasonable maintenance; or (3) attempted repair by any party other than a Diamond Products authorized service facility. All products are subject to wear and tear under normal use. As such, the customer is responsible for all costs associated with the maintenance of said product, including the purchase of replacement components thereof.

To obtain warranty service, you must take the product, or

deliver the product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any authorized Diamond Products service facility, along with proof of purchase in the form of a bill of sale, within the warranty period specified above. Warranty may be void if additional damages are incurred during transportation due to inadequate packaging.

Diamond Products shall not be responsible for or obligated to pay for freight or other transportation related costs or expenses in connection with any defective products or components that are either returned to Diamond Products's facility or any authorized repair station and/or any replacement products or components that are shipped from Diamond Products pursuant to this warranty.

DIAMOND PRODUCTS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, OR NEGLIGENCE. SUCH DAMAGES INCLUDE, BUT ARE NOT LIMITED TO, LOSS OF PROFITS, LOSS OF REVENUE, LOSS OF USE OF THE PRODUCT, AND DOWN TIME. DIAMOND PRODUCTS'S LIABILITY SHALL NOT EXCEED THE REPLACEMENT COST OF ANY DEFECTIVE PRODUCT OR COMPONENT THEREOF. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED.

EXCLUSIONS FROM WARRANTY

Diamond Products cannot assume responsibility for claims arising from abuse of the product:

- Due to abuse by the purchaser in their processing.
- Due to improper installation practices or procedures.
- Due to abuse or improper usage by the end-user.
- Due to contaminants, including, but not limited to, exposure to salt or fresh water, chemicals and any other form of contamination from a source outside of Diamond Products's control.



333 PROSPECT STREET, ELYRIA, OHIO 44035

TEL: 1-800-321-5336

EMAIL: dp@diamondproducts.com