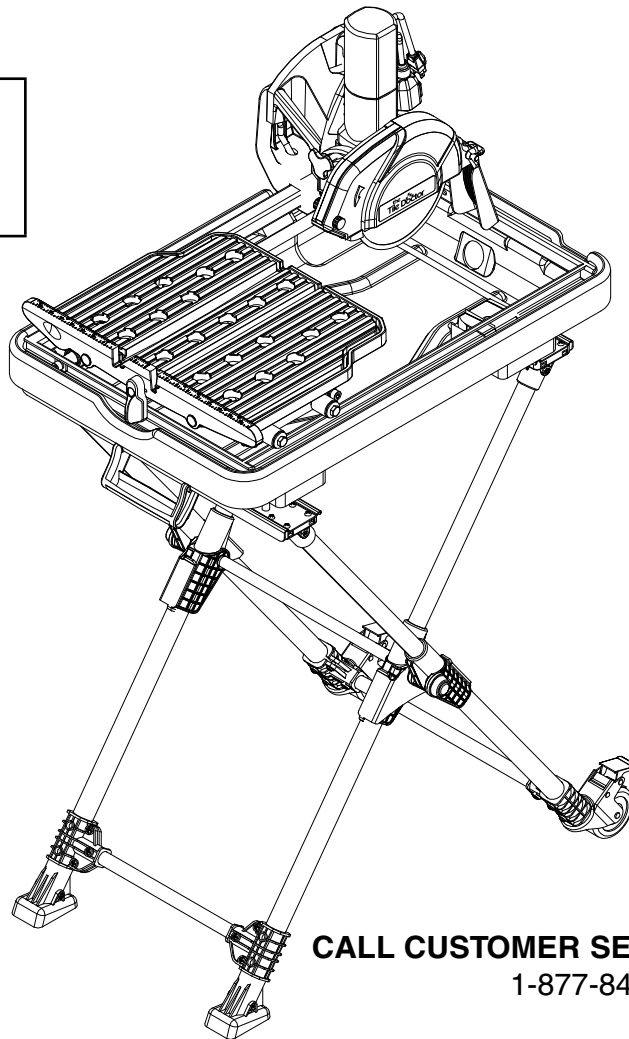




INSTRUCTION MANUAL

7" WET TILE/STONE SAW WITH LASER AND STAND

PLEASE KEEP THIS
MANUAL FOR
FUTURE REFERENCE



CALL CUSTOMER SERVICE (TOLL FREE)
1-877-845-3363

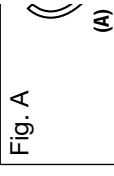
CAUTION: Read, understand, and follow all safety rules and instructions before using this tool. These safety instructions should be followed at all times. Failure to follow these safety instructions could result in injury to you or to others. Also, failure to read and follow these instructions may cause damage to your equipment.

Table 1

Amperes rating	Vc
	0~6
	6~10
	10~12
12~16	12(

Ground Instru
All grounded,

- In the event provides a p to reduce the electric cord and a ground matching our accordance
- Do not modify the outlet, a qualified el
- Improper conductor ce with green in conductor. If plug is neces terminal.
- Check with e you do not c tions, or if th properly grou have 3-prong that accept t
- Repair or ref **Grounded, co** supply circuit h
- This tool is ir outlet (B, Fig A).
- A temporary this plug to a



- **USE THE RIGHT TOOL.** Don't force a tool or attachment to do a job for which it was not designed.
- **MAKE THE WORKSHOP CHILD-PROOF** with padlocks, master switches, or by removing starter keys.

ELECTRICAL SAFETY

▲ WARNING! To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands.

- **VOLTAGE:** Before plugging in the tool, make sure that the outlet voltage is within the voltage marked on the tool's data plate.
- **DO NOT USE "AC ONLY" RATED TOOLS WITH A DC POWER SUPPLY.**
- **DO NOT EXPOSE POWER TOOLS TO RAIN OR WET CONDITIONS.** Water entering a power tool will increase the risk of electric shock.
- If operating the power tool in damp locations is unavoidable, always use a Ground Fault Circuit Interrupter to supply power to your tool. Always wear electrician's rubber gloves and footwear in damp conditions.
- **DO NOT ABUSE THE CORD.** Never use the cord to carry the tools or to pull the plug from the outlet. Keep the cord away from heat, oil, sharp edges, or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- **USE THE PROPER EXTENSION CORD.**

Extension Cords

Use only extension cords that are intended for outdoor use. These extension cords are identified by a marking "Acceptable for use with outdoor appliances, store indoors while not in use."

Use only extension cords having an electrical rating equal to or greater than the rating of the product. Do not use damaged extension cords. Examine the extension cord before using, and replace it if it is damaged. Do not abuse extension cords, and do not yank on any cord to disconnect it. Keep the cord away from heat and sharp edges. Always disconnect the extension cord from the receptacle before disconnecting the product from the extension cord.

- Make sure that 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

TECHNICAL SPECIFICATIONS

PAGE	7 " WET TILE/STONE SAW WITH LASER AND STAND
.....2	Power supply 120V ~, 60Hz
.....2	Motor capacity 8A
.....5	No-load speed 7000 RPM
.....6	Diamond blade size 7 " X 5/64" X 5/8"(Bore)
.....7	Maximum depth of cut at 0° 2-1/4"
.....7	Maximum depth of cut at 45° 1"
.....8	Tilting range 0° ,45°
.....11	Size of water tray 28-3/8" X 18-1/2 " X 3-15/16"
.....13	Maximum rip cut 22"
.....14	Maximum square tile of diagonal cut 16"
.....15	

SAFETY INSTRUCTIONS

information is not followed.

DAMAGE PREVENTION AND INFORMATION

MESSAGES

These inform the user of **import information and/or instructions** that could lead to equipment or other property damage if they are not followed. Each message is preceded by the word **"NOTE,"** as in the example below:

NOTE: Equipment and/or property damage may result if these instructions are not followed.

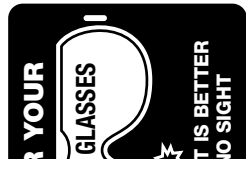
WORK-AREA SAFETY

- **KEEP THE WORK AREA CLEAN AND WELL LIT.** Cluttered benches and dark areas invite accidents.

ing power
late of
cts or other
onse, staying
Read this
to use it safely.
our attention
d the
your careful
arnings **DO**
They are no

grounded, an equipment- tion should be or the tile saw. i-CI protection

r tool can o your age. Before wear safety



Wearing, and power tool. the influence of loose clothing, jewelry. otwear is

MOVES AWAY
CHES. Form adjusting e turning it on. /day glasses / are NOT

ration is dusty. o prevent **CRITICAL** from an

could occur unintentionally

do the job better and more safely when used at the rate for which it is designed.

DO NOT USE TOOL IF THE SWITCH DOES NOT TURN IT "ON" OR "OFF": Any tool that cannot be controlled with the switch is dangerous and must be repaired.

DISCONNECT THE TOOL before servicing, when changing accessories (such as cutting blades), or storing the tool.

STORE IDLE TOOLS OUT OF THE REACH OF CHILDREN and other untrained people.

NEVER LEAVE THE TOOL RUNNING UNATTENDED; turn the power off. Don't leave the tool until it comes to a complete stop.

ALWAYS MAINTAIN TOOLS WITH CARE. Keep cutting tools sharp and clean. Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control. Follow all instructions for lubricating and changing accessories.

CHECK FOR 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, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

USE RECOMMENDED ACCESSORIES. Consult the product manual for recommended accessories. The use of improper accessories may increase the risk of personal injury.

SERVICE SAFETY

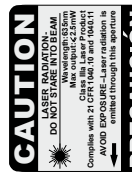
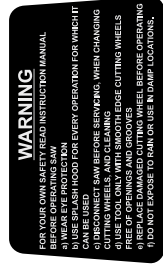
If any part of this we-tile/stone saw is missing or should break, bend, or fail in any way; or should any electrical component fail to perform properly: **ALWAYS** shut off the power switch and remove the plug from the power source, and have the missing, damaged, or failed part replaced **BEFORE** resuming operation.

When servicing a tool, **ALWAYS** use only identical replacement parts. Follow instructions in the Maintenance Section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

Stone Saw with Laser Guide and Stand. Failure to follow all instructions may result in electric shock, fire and/or serious personal injury

WARNING: To reduce the risk of mistakes that could cause serious, permanent injury, do not plug the tile saw into an electrical receptacle until the following steps have been satisfactorily completed:

- Completely assemble the saw (See "Assembly" section).
- Learn the use and function of the ON-OFF switch, blade guard, laser-adjustment-knob, overload protector, spindle lock, depth-stop-adjustment knob, depth-adjustment knob, bevel-cut-adjustment knob, universal guide etc. (See "Getting to Know Your Tile Saw" section).
- Review and understand all safety instructions and operating procedures in this manual.
- Review the maintenance methods for this saw (See "Maintaining Your Saw" section).
- Never put your fingers or hands in the path of the saw blade or other cutting tool.
- Never reach behind the cutting tool with either hand for any reason. Do not reach behind the blade to hold down the work piece, support the work piece, remove scraps, or for any other reason.
- Never use a hand position where a sudden slip could cause the fingers or the hand to move into a saw blade.
- Find and read all the warning labels found on the tool (shown below).



.....
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 RPM.....
 ▲.....

- ▲ **WARNING:** containing ch to cause canc to harm. Some e
- Lead from li
- Crystalline : masonry pr
- Arsenic and
- Your risk from upon how oft exposure to tl
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- Allowing dust the skin may f
- Use of access with this tool
- DIRECTION against the r
- LET THE BL before remov around the b
- POSITION C appliance pli saw to one s should arran saw to a reci

Fig. B

Power Supp Cord

Examine the blade until it is

CLASS 3 LASER

Class IIIa

Doesn't

CAUTION
 LASER RADIATION.
 DO NOT STARE INTO BEAM.
 Max output: 2.5 mW
 Class IIIa
 AVOID EXPOSURE—Laser radiation is emitted through this aperture.

RECAUCIÓN
 NO MIRE FIRMEMENTE EL RAYO LASER.
 Máximo de potencia: 2.5 mW
 Clase IIIa
 EVITE LA EXPOSICIÓN DIRECTA AL RAYO LASER.

Read this manual

carefully. Do not stare into the laser on

or stand all safety rules

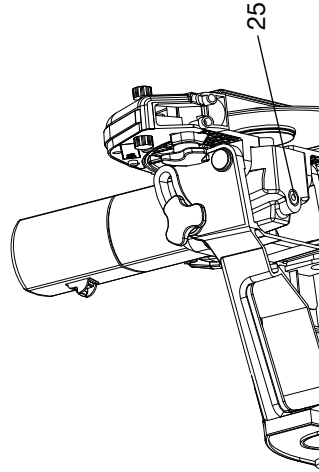
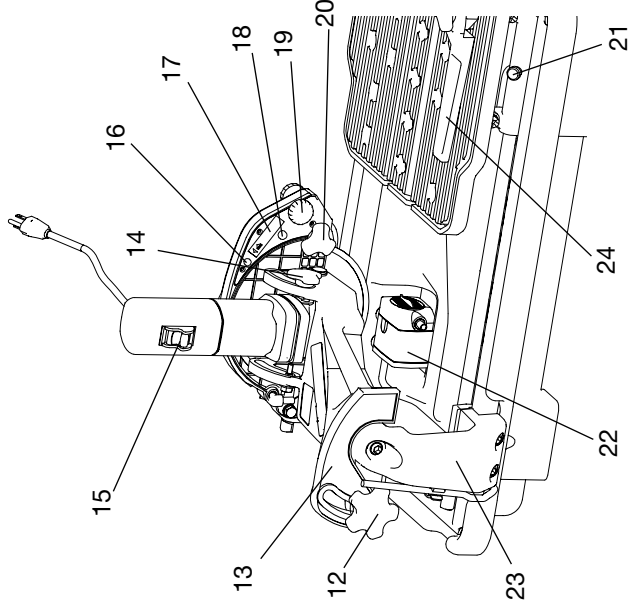
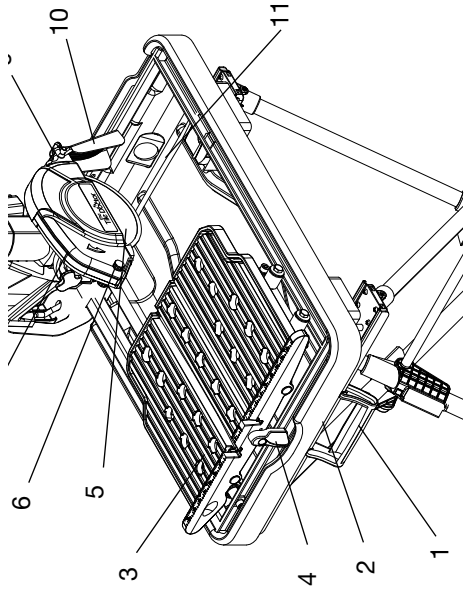
at any object

as the maximum output from the arm can be

damaged by children.

The duct will

emit a laser beam. Do not repair or repair any repair performed by



2. Parallele/angle (Fig. 44, Fig. 45)

3. Saw blade

4. Water pump

5. Lower arm bolts with washers (F)

6. Water tray

7. Blade wren

8. Anti-splash guard (Incl locking win washer) (F)

9. Lubricant (l)

10. Cutting-de adjustmer (Fig. 11, F

11. Lower-arm

12. Motor/upper arm assembly (Fig. 10, Fig. 11)

13. 0°/45°bevel-cut adjustment knob (Fig. 47)

14. On/Off switch

15. Laser-battery-compartment release button (Fig. 32)

16. Laser-battery compartment (Fig.33)

17. Laser on/off switch

18. Left-laser-beam-adjustment knob (Fig. 35, Fig. 37)

19. Blade-guard locking knob (Fig. 20)

20. Lubrication port (Fig. 50)

21. Water pump

22. Lower arm assembly (Fig. 8, Fig. 9)

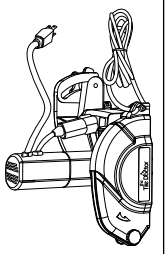
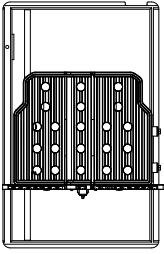
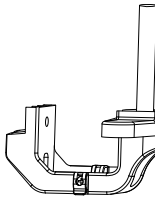
23. Parallele/angle guide

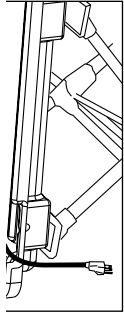
24. Spindle-lock button (Fig. 26)

25. **WARNING!** The use of any accessory or attachment or performance of any operation with this tool other than those recommend in this instruction manual may present a risk personal injury.

UNPACKING MAJOR COMPONENTS

The contents of the carton are as follows:

Motor/upper arm assembly (Includes blade guard and water hose)	1 set	
Frame assembly and table (Includes slip bar)	1 set	
Lower arm assembly	1 pc	



the water tray as shown in Fig. 5.

Note: The four suction cups on the water pump should be attached to the side of the water tray.

INSTALL THE FRAME ASSEMBLY AND TABLE

1. Align the water tray and the frame assembly and table so that the plug hole in the water tray is on the same side as the water drain opening in the frame assembly.
2. Place the frame assembly and table into the water tray (Fig. 6).
3. Locate the water plug on the frame and insert the water plug into the drain hole (Fig. 7).

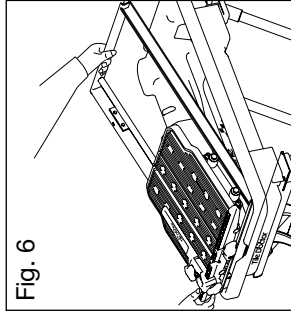


Fig. 6

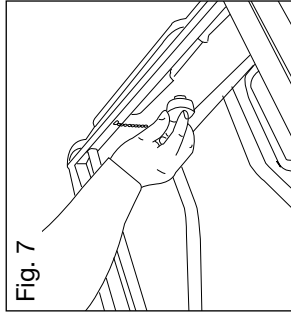


Fig. 7

INSTALL THE MOTOR AND ARM ASSEMBLY

1. Place the lower-arm assembly onto the frame assembly (Fig. 8).
2. Insert the bolts with the spring washers (supplied) into the lower-arm assembly and thread them into the table frame. The Lower-arm-assembly hex wrench supplied can be used to assist in this process.
3. Firmly tighten both bolts (Fig. 9).

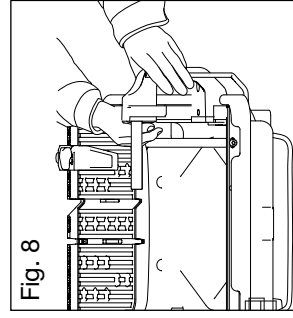


Fig. 8

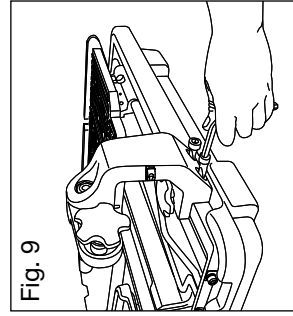


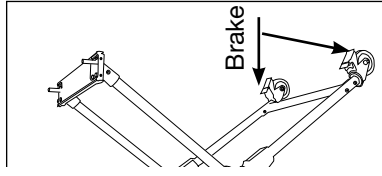
Fig. 9

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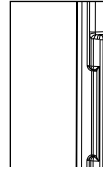
use. Failure to and other basic sonal injury.

hen pull the t it is firmly



m in Fig. 3: the he same side. the four pins

seated in the



SEE THE ARM-ASSEMBLY START.

6. Rotate the motor to the vertical position and secure the motor/upper-arm assembly to the lower-arm assembly with the depth-adjustment knob (Fig. 11).

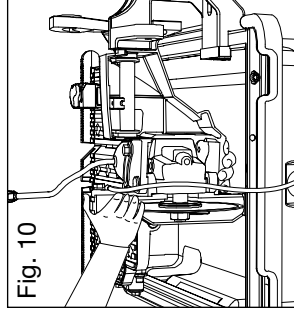


Fig. 10

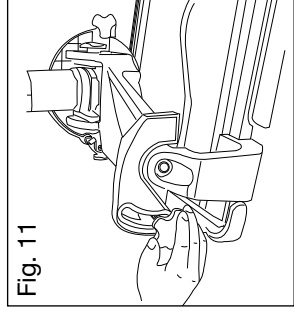


Fig. 11

7. Fit the lower-arm-assembly cap supplied onto the lower-arm assembly (Fig. 12).

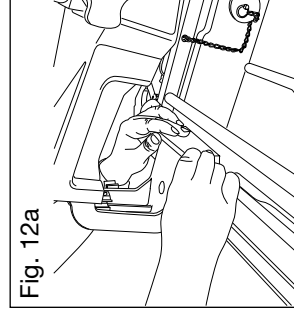


Fig. 12a

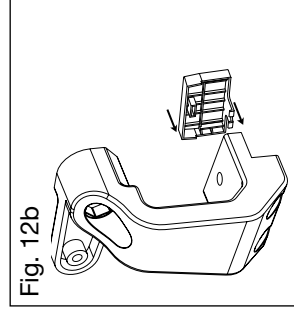
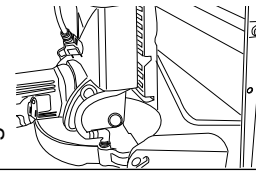


Fig. 12b

4. Route the pump hose from the back of the motor/upper arm shorter of the blade guard (Fig. 18, Fig. 19).

Fig. 18



INSTALL THE WATER HOSE

1. Locate the water hose attached to the motor/upper arm assembly. Route the water hose from the back of the blade guard (where it is permanently affixed) to the water pump, as illustrated by the thick black line in Fig. 13

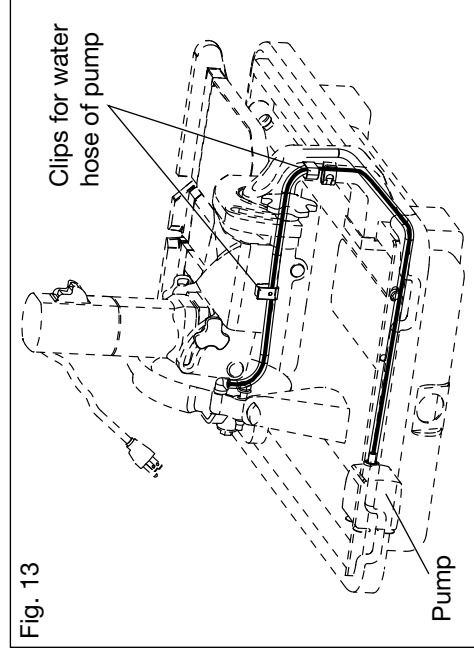


Fig. 13

1. Loosen the blade guard
2. Loosen the blade guard

INSTALL THE

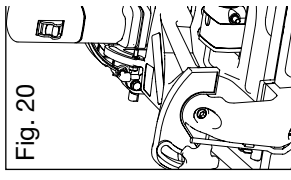
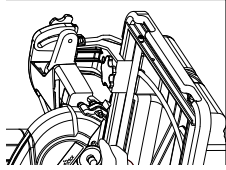
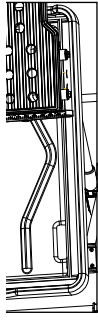


Fig. 20



ift (Fig. 24).
ade points in
e blade guard.
aft nut (Fig. 25).



the slip bar until the blade is vertically aligned with the "Δ" mark (Fig. 30).

4. Follow steps 1 and 3 to adjust the worktable three times.

NOTE: Be sure to adjust the worktable following steps 1 and 3 three times or more to ensure that the worktable is adjusted in the best position.

INSTALL THE ANTI-SPLASH RUBBER GUARD

Fit the rubber guard in place and tighten it with the wing nut and washer supplied (Fig. 31).

INSTALL THE LASER BATTERIES

1. Press the gray button to release the battery compartment on the back blade guard (Fig. 32).
2. Install two AAA batteries (not supplied) in the compartment.
3. Push the battery compartment back into the blade guard (Fig. 33).

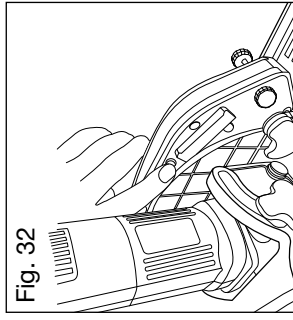


Fig. 32

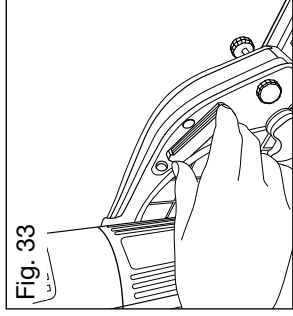


Fig. 33

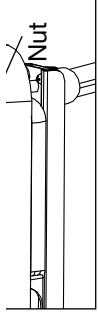


Fig. 30

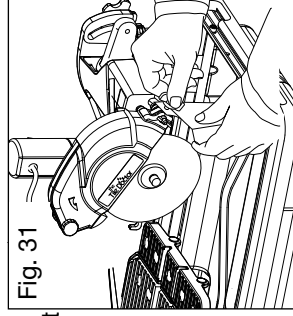
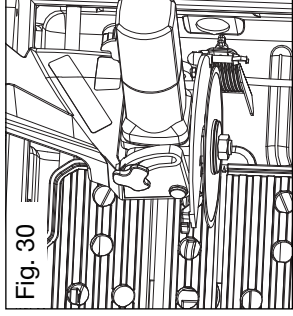


Fig. 31



OPERATION

FILLING THE WATER TRAY

▲ WARNING! Lack of cooling water may damage the saw blade. Never turn on the machine without enough water in the tray or without plugging in the water pump. To insure proper operation, check to make sure that the pump is always fully immersed in the water tray.

SWITCH ON AND OFF

Connect the unit to a power source with the correct voltage and frequency (120V, 60Hz).

1. To start the motor, turn the switch knob to the "ON" position.
2. To stop the motor, turn the switch knob to the "OFF" position.

NOTE: Providing the pump's plug is inserted into the pump plug receptacle on the motor (see Figs 18 and 19), the pump will be turned on when the motor is turned on.

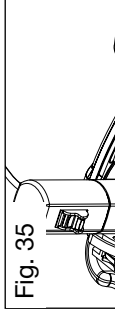
SAFETY FEATURE ON SWITCH

Pull out the switch knob (the yellow part) after the switch has been set at the "OFF" position. This safety feature prevents accidentally starting the machine.

CALIBRATING THE LASER LINE

1. Press the laser switch button to turn on the laser, press the button again to turn off the laser. **ALWAYS**

Fig. 35



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ADJUSTING OF THE LAS

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2. To adjust th on the right align with th
3. For best res simultaneou

Fig. 37

Blade guard

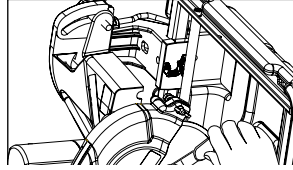
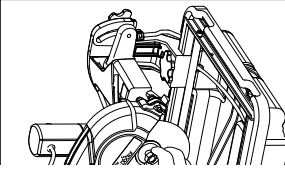
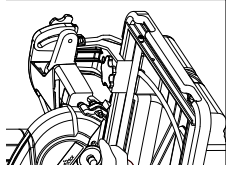
Laser (inside blade guard)

Left adjustment knob (ALIGNMENT)
Laser beam -

EXTENDING

1. When the ki the position worktable ar are locked a on the slip b
2. When the ki the position fence is lock move on the worktable.(F
3. When the kr position C, b and table fer and they car and they car slip bar (Fig.

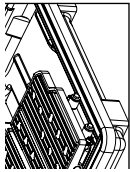
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Use the depth adjustment knob to adjust the cutting depth. Turn the knob clockwise to increase the cutting depth. Turn the knob counter-clockwise to decrease the cutting depth. Hold the knob firmly with both hands when cutting. Do not force the saw too quickly into the material.

Use the depth adjustment knob to adjust the cutting depth. Turn the knob clockwise to increase the cutting depth. Turn the knob counter-clockwise to decrease the cutting depth. Hold the knob firmly with both hands when cutting. Do not force the saw too quickly into the material.

the workpiece is marked "L" in Fig. 44.

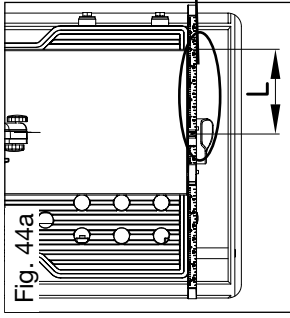


Fig. 44a

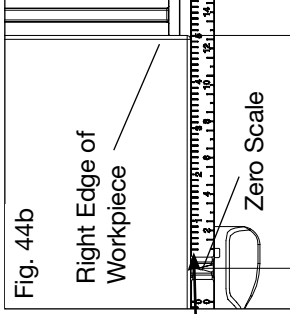


Fig. 44b

Right Edge of Workpiece

Zero Scale

FLAT 0° ~ 45° ANGLE CUT

1. Loosen the knob on the parallel/angle guide.
2. Adjust the parallel/angle guide to the desired angle and tighten the knob (Fig. 45).
3. Using the parallel/angle guide to align the material for angle cutting, position and press the tile firmly with two hands.
4. Move the table evenly with two hands during cutting. Do not force the work piece or move the table too quickly (Fig. 46).

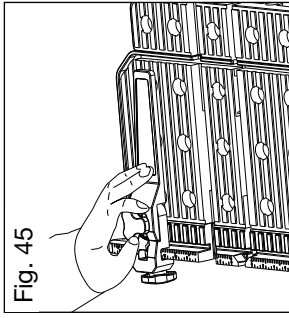


Fig. 45

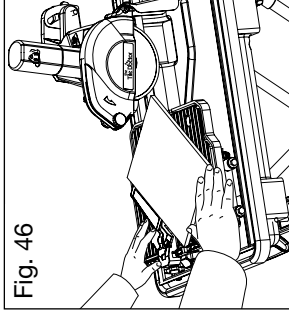


Fig. 46

45° BEVEL CUT

1. Loosen the bevel-cut adjustment knob and adjust the angle from 0° to 45°.
2. Tighten the knob before cutting.
3. Position and press the tile firmly with two hands during cutting (Fig. 47).
4. Move the table evenly with two hands during cutting. Do not force the work piece or move the table too quickly.

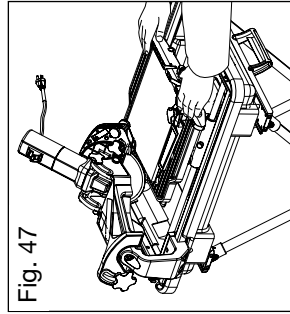
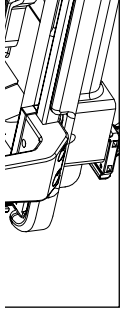


Fig. 47



- Clean the er
- Pump clean/ pump and bl
- slurry build-t
- Keep the slip
- If the table is
- the bar cylin
- Inspect the c
- the rim for w

MOTOR REF

▲ WARNING before perform avoid possible

Remove the m remove the he flanges on the Replacement f

1. Loosen the cut-adjustm swing the s the motor u 51a).
2. Raise the b to its highes loosening it
3. Loosen the
4. Insert the n into the sup the director arrow in Fig
5. Attach the r the four scr
6. The screws screwed into the motor of the support tightened w

NOTE: After m may have occu adjust, if neces

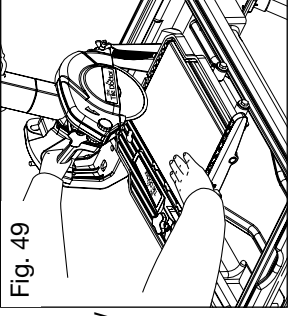


Fig. 49

MAKING A PLUNGE CUT

1. Loosen the cutting-depth-adjustment knob.
2. Raise the saw to the full, upright position.
3. Align the tile under the saw blade by moving the table to the desired position (Fig. 49).
4. Plunge the saw into the material. Do not force the saw or move the saw too quickly into the material.

CHANGING THE BLADE

When the blade is worn out, it should be changed. Please follow the procedure illustrated in previously in **Blade Installation**.

HOW TO USE LUBRICANT SUPPLIED

When the movement of the table is not smooth, a small amount of lubricant may be injected.

1. Loosen the cap on the lubrication port.
2. Cut the end of the injection tube attached to the bottle of lubricant.
3. Inject a small amount of lubricant into the bar cylinder under the table (Fig. 50).
4. Replace the lubrication port cap.

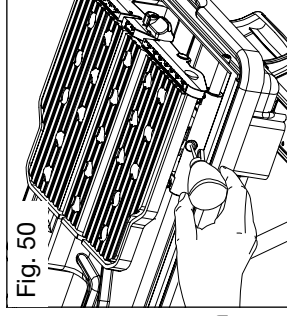


Fig. 50

MAINTENANCE

▲ CAUTION! For your safety, turn off the switch and unplug saw from the power source before performing any maintenance or cleaning. If the power cord becomes damaged in anyway, replace it immediately with the approved cord. When cleaning the saw, **do not** expose the motor to direct water. If excessive water is introduced into the motor, electric shock and/or damage to the motor can occur.

Do not service the electric motor's internal components yourself. Contact an authorized service center.

Never use water or any other chemical liquids to cleaning

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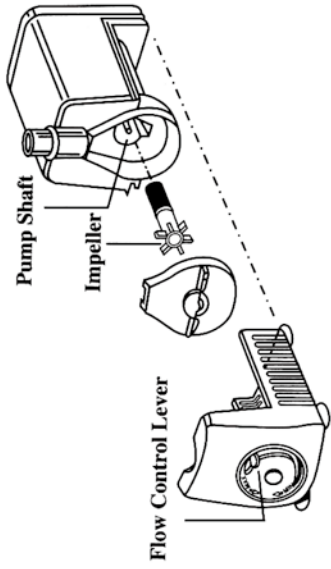
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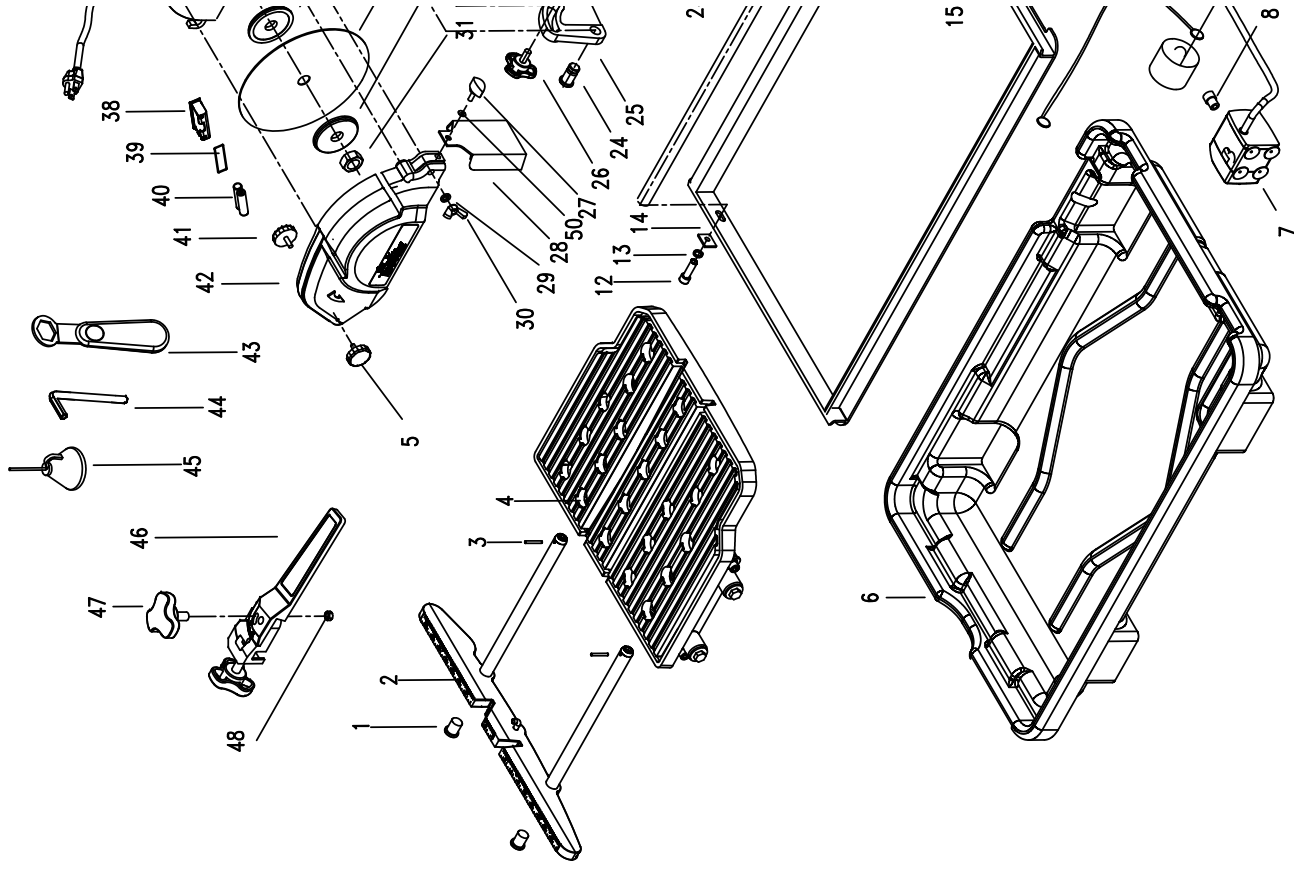
▲ CAUTION: The pump shaft cannot be removed.

▲ WARNING! If the water from the pump is reduced or has stopped, replace the pump or have it repaired by the qualified personnel.

▲ WARNING! Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known [to the State California] to cause cancer, birth defects or other reproductive harm.

Some examples of these chemicals are:

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



PARTS LIST FOR WTS950LN(NOT INCLUDING STAND)

KEY NO	PART NO.	DESCRIPTION	QTY	KEY NO	PART NO.	DESCRIPTION	QTY
1	6108001	Stopper for slip bar	2	26	6111046A	Knob	2
2	6108055A	Table fence	1	27	6108027A	Wing nut	1
3	6108003	Spring pin	2	28	6108028A	Anti-splash rubber guard	1
4	6108056	worktable	1	29	6108029	Washer	5
5	6108049A	Right laser beam adjustment knob	1	30	6108030	Wing nut M8	1
6	6108058A	Water tray	1	31	6108031	Nut	2
7	6108007	Water pump	1	32	6108032	Flange	2
8	6108008	Tie-in	1	33	6108033A	Blade 7"x5/64"x5/8"	1
9	6108009	Water plug	1	34	6108059	Support plate	1
10	6108010	Chain for water plug	1	35	6108035	Tie-in	1
11	6108011A	Steel frame	1	36	6108036	Spring	1
12	6108012	Bolt	2	37	6111015	Water hose	1
13	6108013	Spring washer	7	38	6108038A	Battery compartment	1
14	6108014	Square flat washer	2	39	6108039	"O" ring	1
15	6108015	Lower arm assembly cap	1	40	6108040	AAA battery (not supplied)	2
16	6108016	Slip bar	1	41	6108041A	Left laser beam adjustment knob	1
17	6108017A	Lower arm assembly	1	42	6108042A	Guard	1
18	6108018	Screw	3	43	6108043A	Blade wrench	1
19	6108019	Clip	3	44	6108044	Lower arm assembly hex wrench	1
20	6108020	Spring washer	2	45	6108045	Lubricant	1
21	6108021	Lower arm assembly Bolt	2	46	6108046A	Parallel/angle guide	1
22	6108022A	Cutting depth adjustment knob	1	47	6108047A	Guide knob	2
23	6108023	Bolt	1	48	6108048	Nut M6	3
24	6108024	Swivel pin	2	49	6108034	Motor unit	1
25	6108025A	Upper arm assembly	1	50	6108050	Washer	1