

CHICAGO ELECTRIC®
POWER TOOLS

1.5 HP 7" BRIDGE TILE SAW

Model 98265

SET UP AND OPERATING INSTRUCTIONS



Note: Stand (SKU 98328) and Diamond Blade sold separately.

Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

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For technical questions or replacement parts, please call 1-800-444-3353.

Manual Revised 10f

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

General Tool Safety Warnings



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

Save all warnings and instructions for future reference.

1. KEEP GUARDS IN PLACE and in working order.
2. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
4. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
5. KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
6. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by removing starter keys.
7. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.
8. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)				
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH			
	25'	50'	100'	150'
0 – 6	18	16	16	14
6.1 – 10	18	16	14	12
10.1 – 12	16	16	14	12
12.1 – 16	14	12	Do not use.	

TABLE A

9. **USE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table A shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
10. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
11. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
12. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
13. **DON'T OVERREACH.** Keep proper footing and balance at all times.
14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. **DISCONNECT TOOLS** before servicing; when changing accessories, such as blades, bits, cutters, and the like.
16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function – check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

GROUNDING INSTRUCTIONS

⚠ WARNING TO PREVENT
ELECTRIC SHOCK
AND DEATH FROM INCORRECT
GROUNDING WIRE
CONNECTION
READ AND FOLLOW THESE
INSTRUCTIONS:

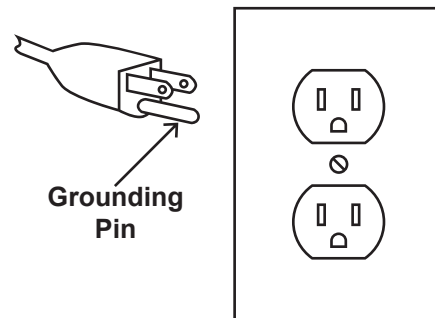


110-120 V~ Grounded Tools: Tools with Three Prong Plugs

1. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having 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.
2. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
3. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.
4. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.
5. Use only 3-wire extension cords that have 3-prong grounding plugs and

3-pole receptacles that accept the tool's plug.

6. Repair or replace damaged or worn cord immediately.



125 V~ 3-Prong Plug and Outlet
(for up to 125 V~ and up to 15 A)

7. This tool is intended for use on a circuit that has an outlet that looks like the one illustrated above in **125 V~ 3-Prong Plug and Outlet**. The tool has a grounding plug that looks like the plug illustrated above in **125 V~ 3-Prong Plug and Outlet**.
8. The outlet must be properly installed and grounded in accordance with all codes and ordinances.
9. Do not use an adapter to connect this tool to a different outlet.

Tile Saw Safety Warnings

For Your Own Safety Read Instruction Manual Before Operating Saw

1. Wear eye protection.
2. Use saw-blade guard and spreader for every operation for which it can be used, including all through sawing.
3. Keep hands out of the line of saw blade.
4. Use an appropriate push-stick when required.
5. Know how to reduce risk of kickback.

6. Do not perform any operation freehand.
7. Never reach around or over saw blade.
8. Make sure the workpiece is supported at all times while sawing. Use a roller stand (not provided) with larger workpieces if necessary.
9. To properly understand all safety warnings, be familiar with the following safety terms and equipment:
 - a. Featherboard – A block with “fingers” that hold the workpiece against the fence while sawing.
 - b. Through-sawing – A cut made from one side of a board to the opposite side, without stopping.
 - c. Ripcut or Ripping - A cut made parallel to (along with) the grain of the wood.
 - d. Crosscut or Crosscutting - A cut made perpendicular (at a 90° angle) to the grain of the wood.
 - e. Push-stick – A narrow strip of wood or other soft material with a notch cut into one end and which is used to push short pieces of material through saws. It provides a safe distance between the hands and the cutting tool. Must be narrower than the cut width to prevent contact with the blade.
 - f. Freehand – Feeding a workpiece through the saw without using a fence or guided support to guide it. **NOT A SAFE METHOD.**
 - g. Kerf – The gap made by the saw in the workpiece.
 - h. Kickback – A sudden reaction to a pinched, bound, or misaligned blade, causing an uncontrolled workpiece to lift up and out of the saw toward the operator.
 - i. Spreader – A metal plate that follows the saw blade to keep the kerf (gap) from closing on the saw blade. Spreaders, except riving knives, must be aligned to the blade after blade adjustment to prevent binding.
 - j. Riving Knife – A spreader mounted on the same mechanism as the blade. Generally more effective than simple spreaders.
10. As noted previously, **Kickback** is a sudden reaction to a pinched, bound, or misaligned blade, causing an uncontrolled workpiece to lift up and out of the saw toward the operator. Kickback is usually a result of tool misuse and can be limited or avoided by following the precautions below:
 - Fence must be completely parallel to the saw blade.
 - Workpiece must be free from flaws (such as loose knots) and from foreign objects (such as nails and screws).
 - Support large workpieces along their entire length. Large workpieces tend to bend, grabbing the blade.
 - Do not use a dull, damaged, or pitch-covered blade.
 - Do not use fence as a guide when crosscutting.
 - Do not ripcut a twisted or warped workpiece, or workpiece without straight edge to guide along fence.
 - Maintain control of the workpiece. Do not allow the workpiece to rest against the moving blade without holding onto it.
 - If the blade binds or a cut is interrupted, turn off the power switch and hold the workpiece still until the blade stops. Correct the cause of blade binding before proceeding.
 - Before continuing an unfinished cut, center the blade in the pre-cut kerf and

check that the saw teeth are not engaged into the workpiece before turning on the saw.

- Push the wood stock past the blade prior to release.

11. Check guards for proper operation with saw disconnected from power before each use. Do not disable any guard. Do not operate saw if any movable guard does not move freely and close instantly. Make sure any movable guard does not touch the blade in all angles, depths of cut, and positions.
12. Keep the guard in place while through-sawing. Verify that the spreader lines up with the blade to prevent binding.
13. Construct an appropriate Push Stick out of wood according to the guidelines on the following page.

Essential Straight Push-stick Features and Functions

Note: Straight style (traditional) stick shown. A different stick design may be used if it properly protects against all hazards.

Diagram not to scale.

- Push sticks must be made from sturdy, defect-free, plywood or normal wood to prevent unexpected breakage. Material must be at least 1/4" thick, but no thicker than the finished wood.
- Inspect push stick before use and do not use a damaged or deteriorated push stick.
- Push stick dimensions will vary depending on the application and user.

Handle Notch

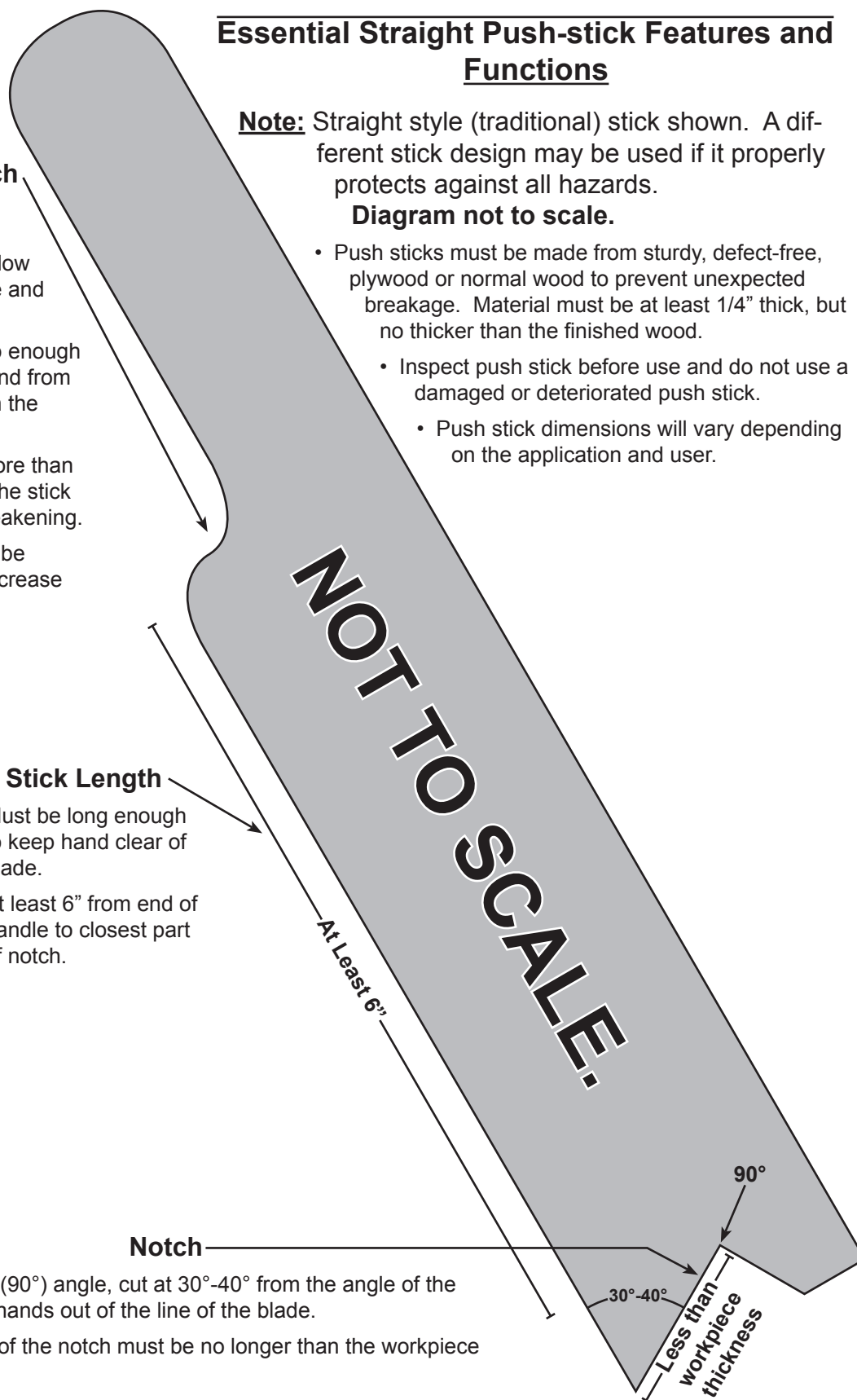
- Must be far enough down the stick to allow a comfortable and firm grip.
- Must be deep enough to prevent hand from slipping down the stick.
- Do not cut more than halfway into the stick to prevent weakening.
- Corners may be rounded to increase comfort.

Stick Length

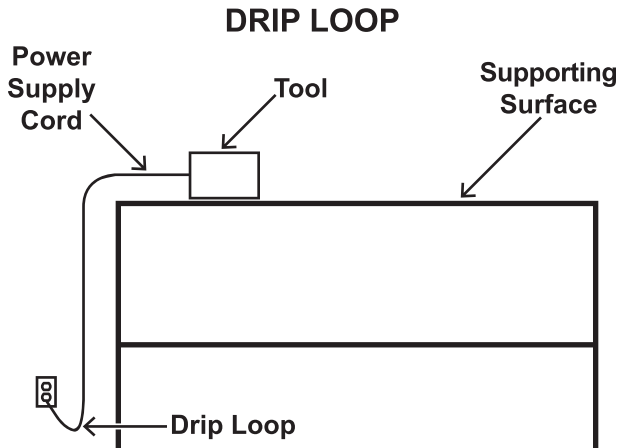
- Must be long enough to keep hand clear of blade.
- At least 6" from end of handle to closest part of notch.

Notch

- Must be right (90°) angle, cut at 30°-40° from the angle of the stick to keep hands out of the line of the blade.
- The lower lip of the notch must be no longer than the workpiece is thick.



POSITION OF TILE SAW



1. To avoid the possibility of the tool plug or receptacle getting wet, position tile saw to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. The user should arrange a “drip loop” in the cord connecting the saw to a receptacle. The “drip loop” is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle.
2. If the plug or receptacle does get wet, DON'T unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the tool. Then unplug and examine for presence of water in the receptacle.

EXTENSION CORDS

3. Use only extension cords that are intended for outdoor use. These extension cords are identified by a marking “Acceptable for use with outdoor tools; store indoors while not in use.” Use only extension cords having an electrical rating not less than the rating of the product. Do not use damaged extension cords. Examine extension cord before using and replace if damaged. Do not abuse extension cords and do not yank on any cord to disconnect. Keep cord away from

heat and sharp edges. Always disconnect the extension cord from the receptacle before disconnecting the product from the extension cord.

4. **WARNING** – To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands.
5. Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for the tile saw. Receptacles are available having built-in GFCI protection and may be used for this measure of safety.
6. **DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED. Moving guards must move freely and close instantly.**
7. The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.
8. When servicing use only identical replacement parts.
9. Do not depress the spindle lock when starting or during operation.
10. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.
11. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

12. Industrial applications must follow OSHA guidelines.
13. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
14. Avoid unintentional starting. Prepare to begin work before turning on the tool.
15. **Use cold water only. Never use hot water.** Using hot water can damage the Pump seals.
16. **Never run the Tile Saw without a water supply.** Running the unit without a water supply will cause irreparable damage to the Pump.
17. **Make sure the water supply used for the Tile Saw is not dirty, sandy, and does not contain any corrosive chemical products.**
18. **Make sure to change the water when necessary while in use and rinse out the Tub after every use.**
19. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
20. **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of 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 or other masonry products
 - 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. (California Health & Safety Code § 25249.5, *et seq.*)
21. **WARNING:** Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)
22. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Vibration Safety

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue

fingers), seek medical advice as soon as possible.

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.
7. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.



SAVE THESE INSTRUCTIONS.

SPECIFICATIONS

Maximum Blade Diameter	7"
Arbor Hole	5/8"
Maximum Cutting Capacity	1-1/8" @ 90° 3/4" @ 45°
Tilting Head	45° Left-Tilt only
Electrical Requirements	120 V~ / 60 Hz / 10 A
Blade Rated Speed	5000 RPM
Water Pump	Maximum Flow = 160 GPH
Stand (SKU 98328)	Sold separately
Note: Recommend Blades: SKU 67047: 7" Turbo Diamond Blade (Wet or Dry) (sold separately) SKU 67111: 7" Diamond Wet Blade (sold separately)	



UNPACKING

When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

List of contents

Part(s)	Description	Qty
1	Arbor Wrench	1
2	Clamp Assembly	1
3	Miter Gauge	1
4	Socket Wrench	1

INSTRUCTIONS FOR PUTTING INTO USE



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠ WARNING

**TO PREVENT
SERIOUS INJURY**

**FROM ACCIDENTAL
OPERATION:**

Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Assembly

1. **Keep your work area clean and well lit.** Cluttered and dark work areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.



Fig. 1

4. The Handle (B13) must be installed onto the Holder (B09) using the two supplied Hex Screws (B12). (See Fig. 1.)

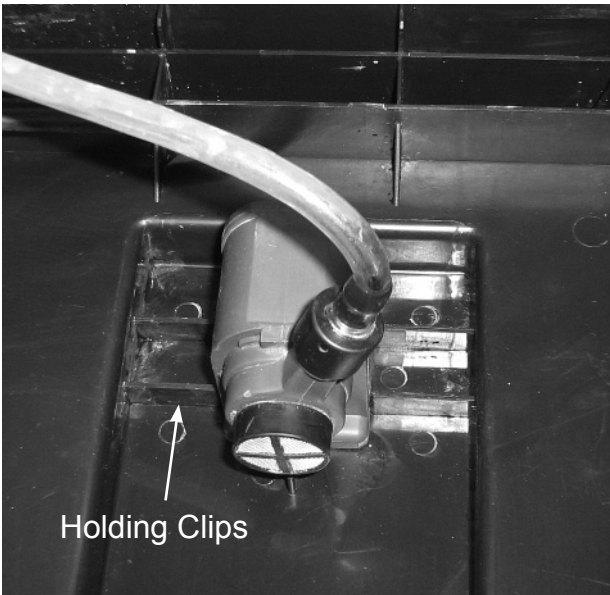


Fig. 2

5. **Be sure the water pump (A25) is properly installed within its holding clips** (see Fig. 2). Run the water hose from the pump discharge to the Blade Cover (A30) and plug the pump power cable into an outlet. The water from the pump can now keep the blade wet for proper cooling.

Mounting

This tool can be placed on a table or other stable surface. The ideal method would be to mount the tile saw on the stand made for it, SKU 98328 (not included, sold separately).

OPERATING INSTRUCTIONS



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Work Piece and Work Area Set Up

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. Secure loose work pieces using a vise or clamps (not included) to prevent movement while working.
4. There must not be objects, such as utility lines, nearby that will present a hazard while working.

General Operating Instructions

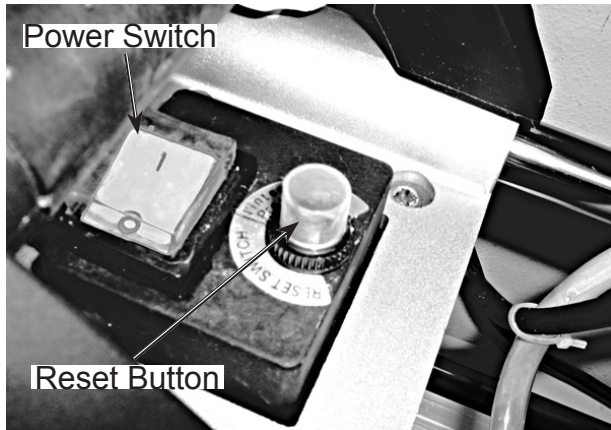


Fig. 3

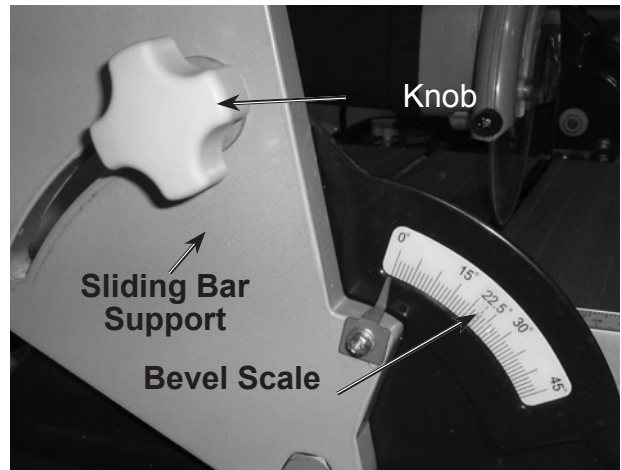


Fig. 4

1. **When making a flat cut, slide the piece to be cut up against the two Fence (D09,D12) halves securely and stabilize one side with the provided Clamp Plate.**
2. **When making an angled cut, position one end securely at the point where the two Fence halves come together.** Use the Clamp Plate to secure it. The cut-off side of the workpiece must be free to move away from the blade to prevent binding.
3. **To make a cut, the material to be cut must be placed against the fence and secured by the the Clamp Plate.** The sliding unit must be located at the far end of the unit, opposite the Fence and material to be cut.
4. **With the saw and the water pump turned on and operating, pull Handle to move blade through material at a slow and steady pace.**
5. **Do not attempt to cut on a push stroke, the blade may grab the workpiece.**
6. **Beveled cuts can also be accomplished by loosening the Knobs (D27) on either side of the saw. Tilt the Sliding Supports, and blade/motor assembly as a unit. There is a scale and indexing pointer on the Sliding Supports indicating angle of tilt. (See Fig. 4.)**
7. To prevent accidents, turn off the tool and disconnect its power supply after use. Clean, then store the tool indoors out of children's reach.

MAINTENANCE AND SERVICING



Procedures not specifically explained in this manual must be performed only by a qualified technician.

WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL

OPERATION:

Turn the Power Switch of the tool to its “OFF” position and unplug the tool from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, loose or worn out blade, and any other condition that may affect its safe operation.
2. **AFTER USE**, clean external surfaces of the tool with clean cloth. Drain water from the water tray and wash out any residue from the sump pump.
3. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
4. **When servicing a tool, use only identical replacement parts. Follow instructions in the “Inspection,**

Maintenance, And Cleaning” section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

5. **WARNING!** If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

Changing the Blade

1. Disconnect the power supply. Have the Tile Saw in front of you so that you are facing the saw blade and the clear plastic Cover (A27)
2. The blade assembly must be at the open end of the water tray to the right of where the Worktables end (D06).



Fig. 5

3. Remove the three Hex Screws (A28) holding the clear Cover to the Blade Cover. (See Fig. 5.)
4. Put the flat wrench over the blade’s larger Hex Bolt (A32) to keep the blade from turning. Use a hex T-wrench (not included) to remove the blade’s retaining hex bolt by turning the bolt counterclockwise.

REV 10b


5. Remove the blade and replace with a new one. Make sure the arrow on the blade matches the direction of the arrow embossed on the blade cover.
6. With the flat wrench in place again, reinstall the blade's hex bolt turning clockwise, and tighten securely.
7. Replace the clear Cover and secure with the three Hex Screws removed earlier.

Cleaning the Saw

1. With the saw turned off and the cord pulled out from the outlet, wipe down all of the external parts of the unit with a damp (not dripping wet) sponge.
2. Make sure that the Water Tray is also cleaned and a container of some type is located below the Drain Plug (E03). Re-

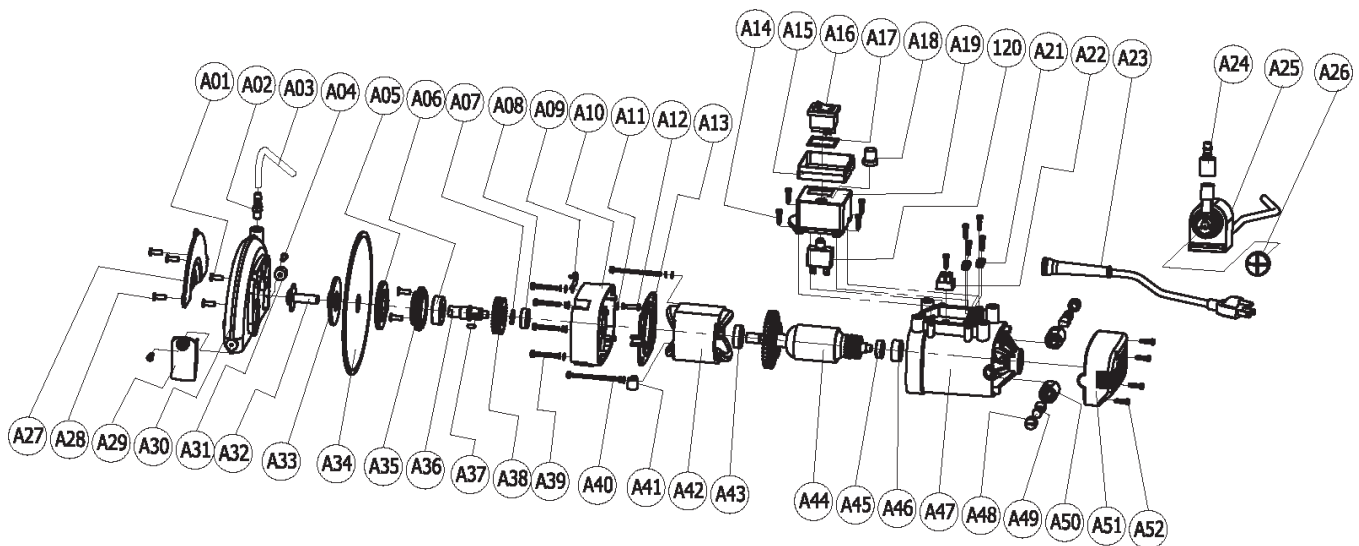
3. move the plug and drain the water and silt accumulated by the cutting operation.
3. Use more water to clean out the residual silt from the water tray.
4. Replace the Drain Plug. Check condition of the O-Ring (E02) and replace if torn or cut.
5. The cleaning process is faster and easier if the unit is tipped on end and carefully (do not wet the motor) hosed down.
6. Wipe the entire unit down including the sides and Sliding Bars (C16).
7. Clean out the pump by removing the Filter (A26), placing the pump into a container of clean water, and running it to pump out any remaining silt. Back flush the screen Filter (A26) and replace onto the pump.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start	<ol style="list-style-type: none"> 1. No power at outlet. 2. Cord not connected. 	<ol style="list-style-type: none"> 1. Check power at outlet. 2. Check that cord is plugged in.
Blade spins slowly	<ol style="list-style-type: none"> 1. Arbor shaft binding 2. Motor brushes worn 	<ol style="list-style-type: none"> 1. Check shaft for free spinning 2. Replace brushes
Excessive vibration	<ol style="list-style-type: none"> 1. Bent or off-balance blade 2. Bent Arbor Shaft 	<ol style="list-style-type: none"> 1. Replace blade with new one 2. Check shaft for run-out
Running hot; excess smoke	<ol style="list-style-type: none"> 1. Water flow problem. 2. Not enough water 3. Running with hot/warm water 	<ol style="list-style-type: none"> 1. Check connection 2. Add proper amount of water 3. Always run with cold water
Restricted Saw Travel	<ol style="list-style-type: none"> 1. Dry or damaged Holder. 2. Bent Sliding Bars. 	<ol style="list-style-type: none"> 1. Lubricate or service Holder components. 2. Replace Sliding Bars.
 Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.		

PARTS LIST AND ASSEMBLY DIAGRAM A (MOTOR)

Part	Description	Qty	Part	Description	Qty	Part	Description	Qty
A01	Screw (M5x12)	5	A19	Switch Body	1	A36	Shaft	1
A02	Hose Connect	1	A20	Thermal Protector	1	A37	Key	1
A03	Water Tubing	1	A21	Press Plate	2	A38	Gear	1
A04	Screw (M5x10)	2	A22	Joint	1	A39	Screw (ST4x30)	4
A05	Inner Flange	1	A23	Cord	1	A40	Screw (ST3.8x63)	1
A06	Bearing (6202RT)	1	A24	Water Pump Connector	1	A41	Clip	1
A07	Washer (14)	1	A25	Pump	1	A42	Stator	1
A08	Bearing (628-R)	1	A26	Filter	1	A43	Bearing (6001-RT)	1
A09	Grounding Wire	1	A27	Cover	1	A44	Rotor	1
A10	Front Motor Cover	1	A28	Screw (M4x12)	3	A45	Bearing (608-RT)	1
A11	Outer Teeth Washer	2	A29	Water Pad	1	A46	Bearing Cover	1
A12	Screw (M4x8)	2	A30	Blade Cover	1	A47	Motor Housing	1
A13	Guard	1	A31	Rubber Gasket	1	A48	Carbon Brush Cover	2
A14	Screw (STS.5x15)	5	A32	Hex Bolt (M8x15)	1	A49	Carbon Brush	2
A15	Water Seal	1	A33	Outer Flange	1	A50	Brush Housing	2
A16	Power Switch	1	A34	Blade	1	A51	Motor Cover	1
A17	Seal	1	A35	Bearing Cover	1	A52	Screw (ST4x15)	4
A18	Cap	2						



PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

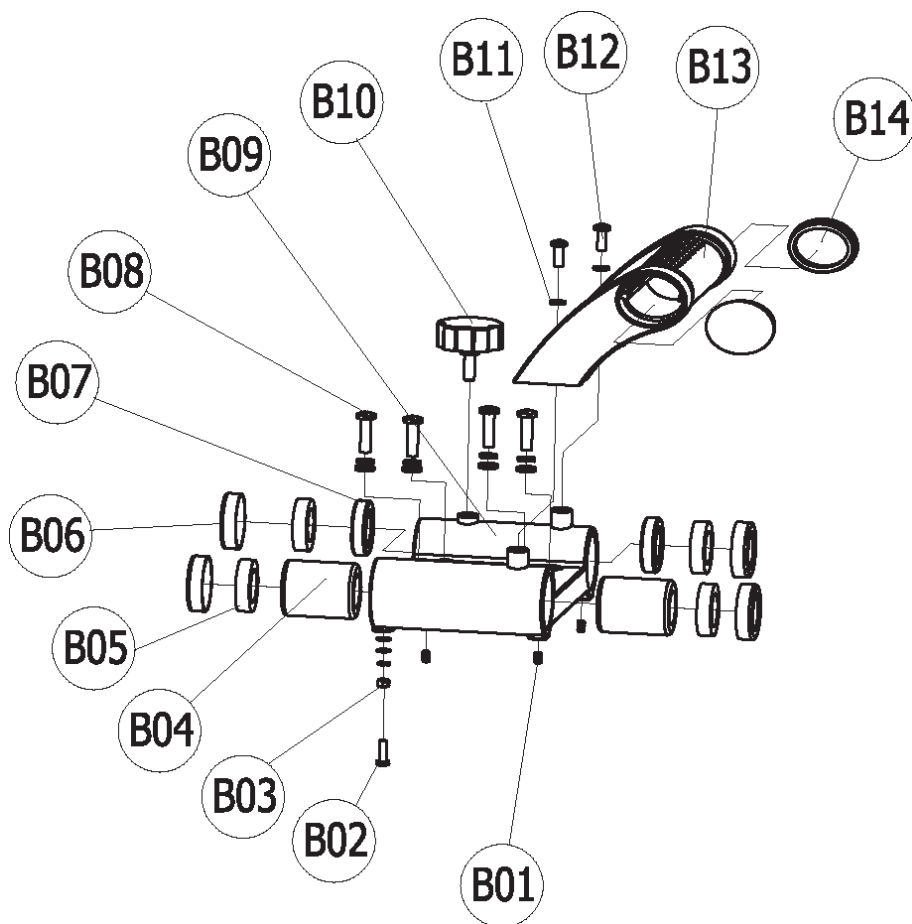
Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

PARTS LIST AND ASSEMBLY DIAGRAM B (HANGER)

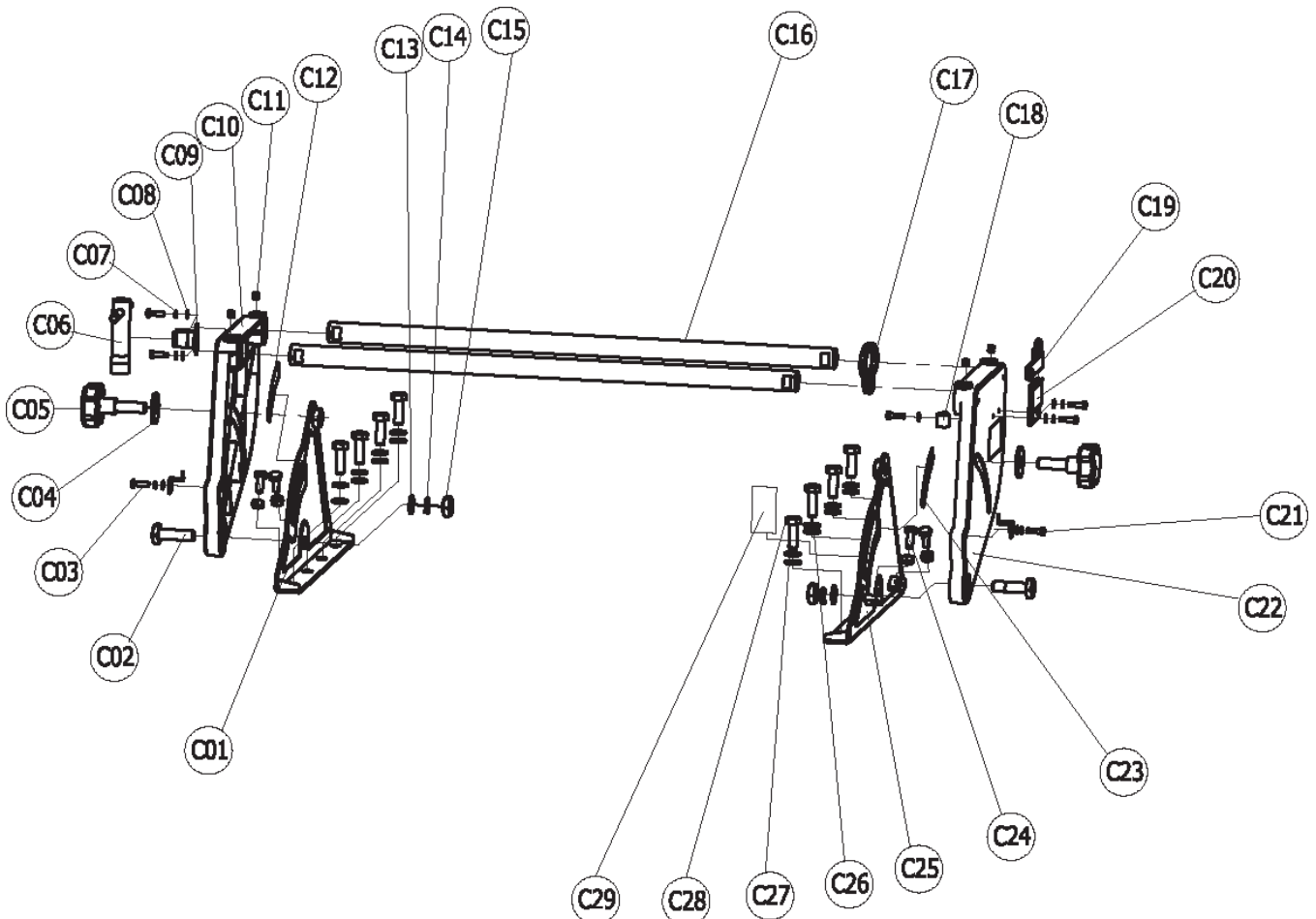
Part	Description	Qty.
B01	Screw (M4x6)	3
B02	Screw (M4x20)	1
B03	Hex Nut (M4)	1
B04	Linear Bushing	2
B05	Felt Bushing	4
B06	Seal	4
B07	Bearing	4
B08	Hex Bolt (M6x20)	4
B09	Holder	1
B10	Knob	1
B11	Flat Washer	2
B12	Screw (M5x12)	2
B13	Handle	1
B14	End Cap	2



PARTS LIST AND ASSEMBLY DIAGRAM C (SUPPORT)

Part	Description	Qty.
C01	Steel Support B	1
C02	Connection Shaft	2
C03	Set Screw (M4x15)	7
C04	Flat Washer	2
C05	Knob	2
C06	Socket Wrench	1
C07	Spring Washer	7
C08	Flat Washer	9
C09	Wrench Holder	1
C10	Sliding Bar Support	1
C11	Screw (M6x8)	4
C12	Bevel Scale	1
C13	Flat Washer	2
C14	Spring Washer	2
C15	Hex Nut	2

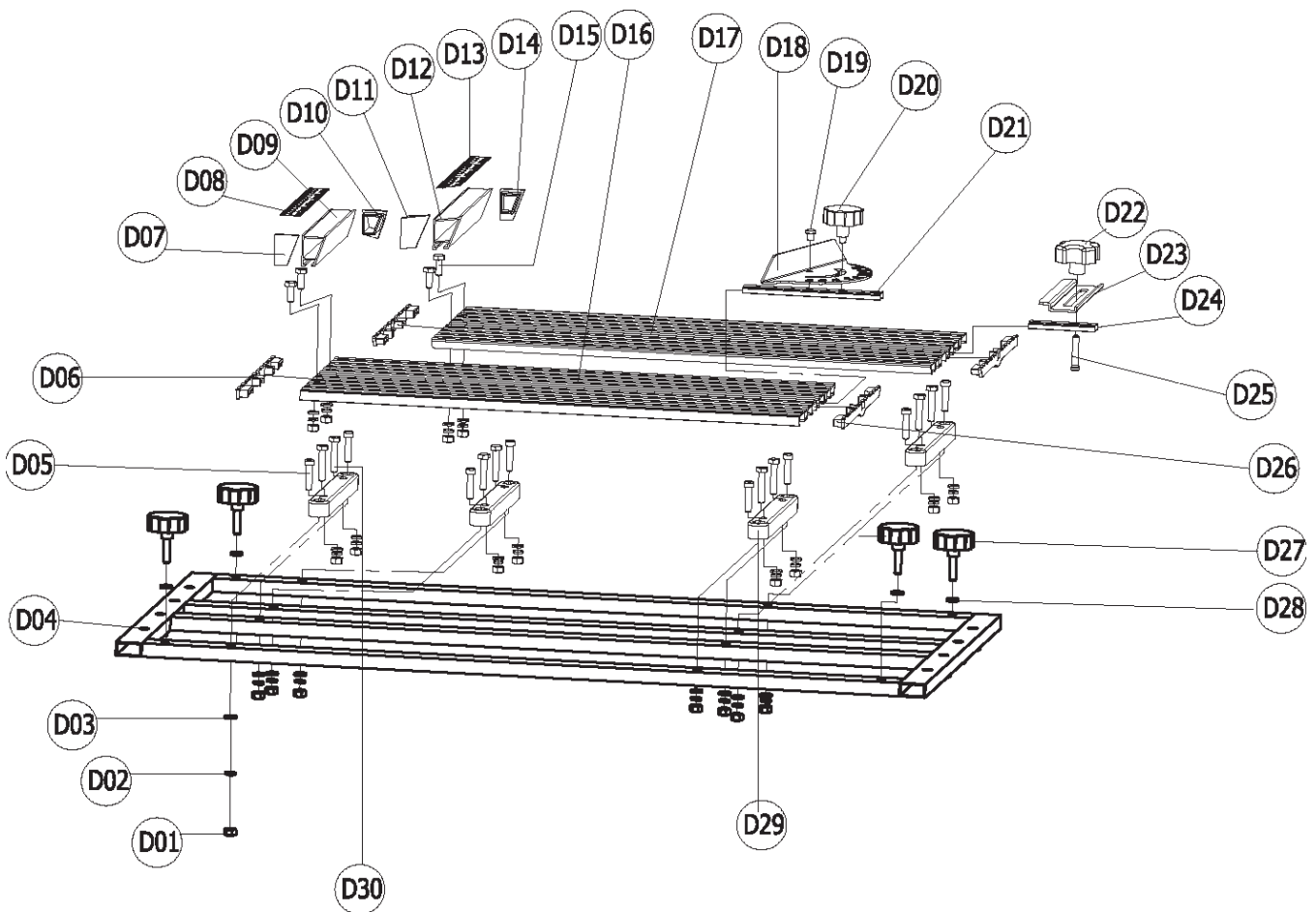
Part	Description	Qty.
C16	Sliding Bar	2
C17	Tubing Holder	1
C18	Clip	1
C19	Wrench	1
C20	Wrench Holder	1
C21	Pointer	2
C22	Sliding Bar Support	1
C23	Bevel Scale	1
C24	Screw (M6x15)	4
C25	Steel Support	1
C26	Flat Washer	8
C27	Spring Washer	8
C28	Hex Bolt (M8x25)	8
C29	Water Line Scale	1



PARTS LIST AND ASSEMBLY DIAGRAM D (WORK TABLE)

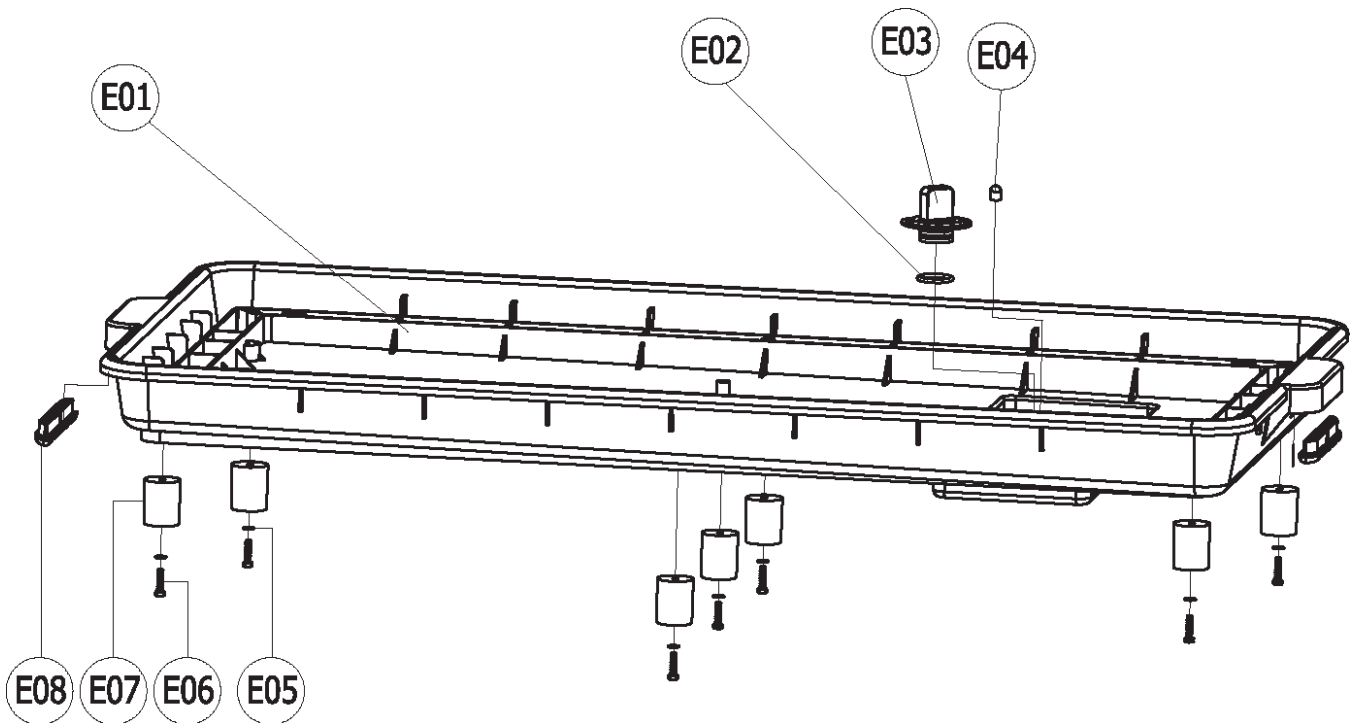
Part	Description	Qty.
D01	Hex Nut (M6)	20
D02	Spring Washer	24
D03	Flat Washer	24
D04	Stainless Steel Frame	1
D05	Hex Bolt (M6x30)	8
D06	Table End	2
D07	Right Fence Cover 1	1
D08	Scale	1
D09	Right Fence	1
D10	Right Fence Cover 2	1
D11	Left Fence Cover 1	1
D12	Left Fence	1
D13	Scale	1
D14	Left Fence Cover 2	1
D15	Hex Bolt (M6x15)	4

Part	Description	Qty.
D16	Right Worktable	1
D17	Left Worktable	1
D18	Miter Gauge	1
D19	Rivet	1
D20	Knob	1
D21	Guide	1
D22	Knob	1
D23	Clamp Plate	1
D24	Clamp Plate Guide	1
D25	Screw	1
D26	Table End	1
D27	Knob	4
D28	Flat Washer	12
D29	Table Support	4
D30	Hex Bolt (M6x25)	8



PARTS LIST AND ASSEMBLY DIAGRAM E (WATER TRAY)

Part	Description	Qty.
E01	Water Tray	1
E02	O-Ring	1
E03	Drain Plug	1
E04	Rubber Cap	1
E05	Flat Washer	7
E06	Set Screw	11
E07	Rubber Feet	7
E08	Carrying Handle Grip	2



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