



OPERATION MANUAL (PARTS LIST)

MODEL: TAS-1210MA
12" & 10" Table Saw

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12M10A

Tilting Arbor Table Saw

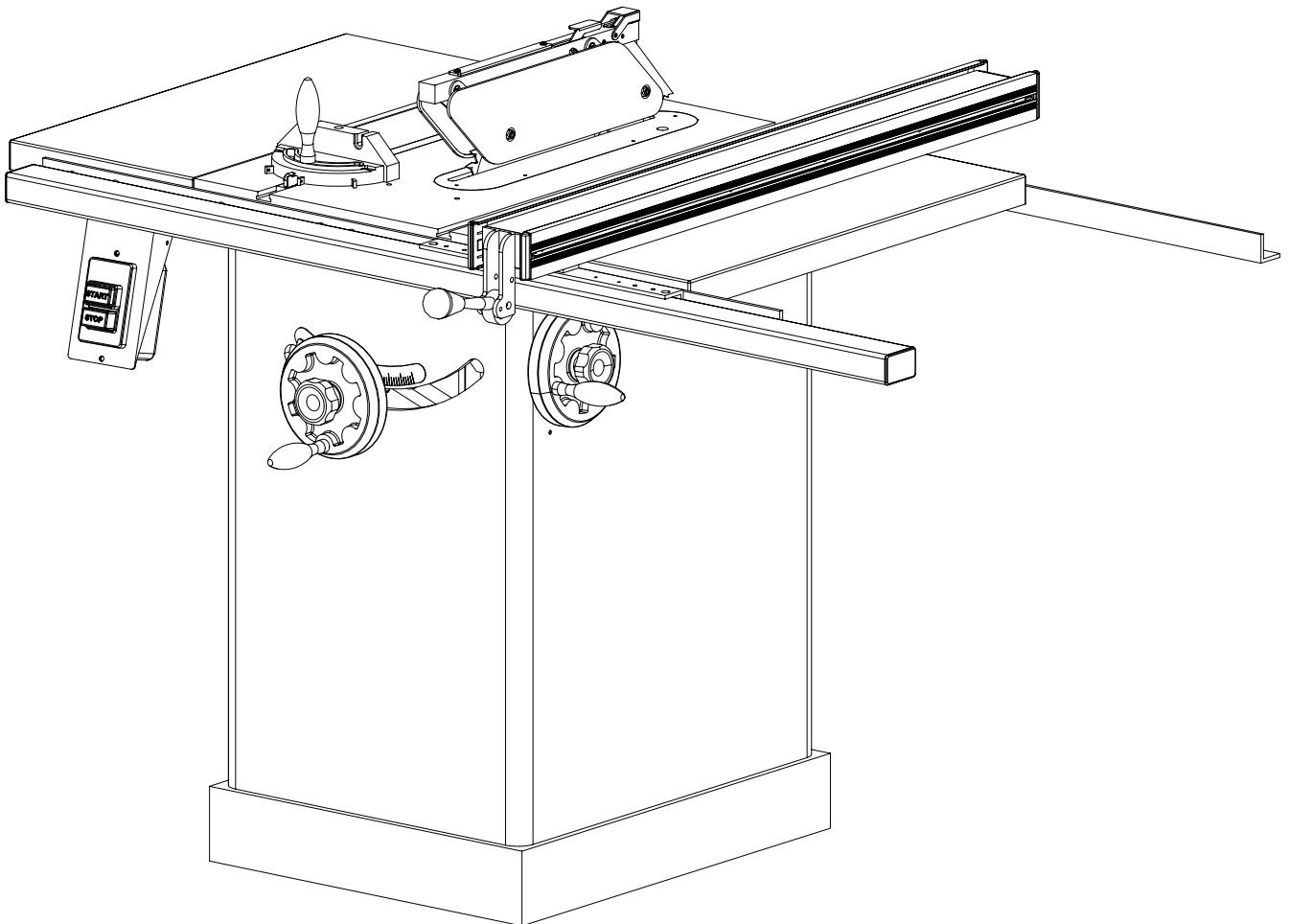


TABLE OF CONTENTS

PREFACE	0
GENERAL SAFETY RULES FOR WOODWORKING MACHINERY	0
ADDITIONAL SAFETY RULES FOR CIRCULAR SAWS	0
ASSEMBLY INSTRUCTION	0
SPECIFICATIONS	0
ELECTRICAL.....	1
WIRING DIAGRAMS	1
GLOSSARY OF TERMS FOR WOODWORKING.....	1
MACHINE LEGEND.....	1
ASSEMBLE AND ADJUSTMENTS.....	1
ASSEMBLE AND ADJUSTMENTS.....	1
ASSEMBLE AND ADJUSTMENTS.....	1
ASSEMBLE AND ADJUSTMENTS.....	1
ADJUSTING THE MITER GAUGE	1
ASSEMBLY DIAGRAM.....	1
ASSEMBLY DIAGRAM.....	1
ASSEMBLY DIAGRAM.....	1
ASSEMBLY DIAGRAM.....	1
PART LIST	1

PREFACE

Thank you for choosing this tilting arbor table saw. We are pleased to offer you our best machinery and service, and trust that you will find our machinery economical, productive and easy to operate.

This manual covers the proper operation, safety and maintenance of the machine. It is important that this manual be read in its entirety before operating the machine. Although the machine has been checked and inspected in compliance with relevant safety regulations, the machine's safety and best performance are dependent on proper maintenance and operation. Hazards that arise due to improper operation and maintenance are solely the responsibility of the operator.

We thank you again for your choice, and for your careful reading of this manual.

GENERAL SAFETY RULES FOR WOODWORKING MACHINERY

There is a certain amount of hazard involved with the use of woodworking machinery. Using the machine with the respect and caution demanded as far as safety precautions are concerned will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, several personal injury to the operator can occur. If you have any questions relative to its application DO NOT use the tool until you have read what we have advised you.

1. **KNOW YOUR POWER TOOL.** Read the owner's manual carefully. Learn the tools applications and limitations, as well as the specific potential hazards peculiar to it.
2. **KEEP GUARDS IN PLACE And in working order.**
3. **GROUND ALL TOOLS.** If tool is equipped with three-prong plug. It should be plugged into a three-pole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter lug must be attached to known ground. Never remove the third prong.
4. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking, to see that keys and adjusting wrenches are removed from tool before turning it on.
5. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
6. **AVOID DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
7. **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
8. **MAKE WORKSHOP KID PROOF** with padlocks, master switch, or by removing starter keys.
9. **DON'T FORCE TOOL.** It will do the job better and be safer at the rate for which it was designed.
10. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
11. **WEAR PROPER APPAREL.** No loose clothing, gloves, neckties, rings, bracelets, or jewelry to get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

- 12. 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.
- 13. SECURE WORK.** Use clamps or a vise to hold work, when practical. It's safer than using your hand and frees both hands to operate tool.
- 14. DON'T OVERREACH.** Keep your proper footing and balance at all times.
- 15. MAINTAIN TOOLS IN TOP CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 16. DISCONNECT TOOLS** before servicing and when changing accessories such as blades, bits, cutters.
- 17. USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause hazards.
- 18. AVOID ACCIDENTAL STARTING.** Make sure switch is in "OFF" position before plugging in cord.
- 19. NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
- 20. CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure 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.
- 21. DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
- 22. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
- 23. NO DRUGS, ALCOHOL, MEDICATION.** Do not operate tool while under the influence of drugs, alcohol or any medication.

※ The instruction manual for a tool shall indicate that the tool is to be disconnected from the power supply while the motor is being mounted, connected, or reconnected.

※ The instruction manual of a dual-voltage tool shall include instructions, illustrations, or both for changing the voltage and indicate that, if the motor is reconnected to operate at a voltage other than that for which it was connected when shipped from the factory, all attachment plugs and any receptacles shall be replaced with devices rated for the voltage for which the motor is reconnected.

Exception No.1: A tool that is marked to indicate that it is intended for operation at a single voltage and with the value of that voltage need not include this instruction.

Exception No.2: A tool in which the attachment plug and any receptacles provided are rated for the voltage for which the motor may be reconnected need not include this instruction.

ADDITIONAL SAFETY RULES FOR CIRCULAR SAWS

1. **ALWAYS** use guard, splitter and anti-kickback fingers on all “thru-sawing” operations. Thru-sawing operations those when the blade cuts completely through the work piece as in ripping or cross cutting.
2. **ALWAYS** hold the work firmly against the miter gage or fence.
3. **ALWAYS** use a push stick for ripping narrow stock. Refer to ripping applications in instruction manual where push stick is covered in detail.
4. **NEVER** perform any operation “free-hand” which means using your hands to support or guide the work piece. Always use either the fence or the miter gage to position and guide the work.
5. **NEVER** stand or have any part of your body in line with the path of the saw blade.
6. **NEVER** reach behind or over the cutting tool with either hand for any reason.
7. **MOVE** the rip fence out of the way when cross cutting.
8. **WHEN** cutting molding. **NEVER** run the stock between the fence and the molding cutter head. Refer to molding applications in instruction Manual for details.
9. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction or rotation of the blade or cutter only.
10. **NEVER** use the fence as a cut-off gage when cross cutting.
11. **NEVER** attempt to free a stalled saw blade without first turning the saw OFF.
12. **PROVIDE** adequate support to the rear and sides of the saw table for wide or long work pieces.
13. **AVOID KICKBACKS** (work thrown back toward you) by keeping blade sharp. Keeping rip fence parallel to the saw blade. Keeping splitter and ant kickback figures and guard in place and operating, by not releasing work before it is pushed all the way past the saw blade, and by not ripping work that is twisted or does not have a straight edge to guide along the fence.
14. **AVOID** awkward operations and hand positions where a sudden slip could cause your hand to move into the cutting tool.
15. **NEVER** use solvents to clean plastic parts. Solvents could possibly dissolve or otherwise damage the material. Only a soft damp cloth should be used to clean plastic parts.

ASSEMBLY INSTRUCTION

TOOLS PROVIDED FOR ASSEMBLY

1. Arbor-blade guard bracket wrench.
2. 12mm combination wrench.
3. Two Allen wrenches.

ADDITIONAL TOOLS REQUIRED

1. Straightedge.
2. Large slot and large Phillips screwdrivers.
3. Socket Wrench (recommended) and Adjustable wrench.

SPECIFICATIONS

MODEL	12M10A
Speed	4000R.P.M
Diameter of arbor	5/8"(15.875mm)
Diameter of cut	10"(254mm)
MAX. depth of cut	3"(76mm)
MAX. depth of cut at 45.	2-1/5"(55mm)
Distance in front of blade	10.23"(250mm)
Table (LXM)	686X512mm
Extension wing(LXW)	686X305mm
Motor	2HP(115V-19A/230V-9.5A)
Net Weight	152kg
Gross Weight	185kg

All specification, dimensions and design characteristics shown in this catalogue are subject to change without notice.

ELECTRICAL

EXTENSION CORDS

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug, when using a power tool at a considerable distance from the power source, use an extension cord heavy enough to carry the current that the tool will draw. An undersized extension cord will cause a drop in line voltage, resulting in a loss of power and cause the motor to overheat. Use the chart provided below to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by Underwriters Laboratories (UL) should be used.

Ampere Rating		Volts	Total length of cord in feet			
		120v	25ft	50ft	100ft	150ft
		240v	50ft	100ft	200ft	300ft
More than	Not more than	AWG				
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

When working with the tool outdoors, use an extension cord that is designed for outside use. This is indicated by the letters **WA** on the cord's jacket.

Before using an extension cord, inspect it for loose or exposed wires and cut or worn insulation.

▲ CAUTION: Keep the cord away from the cutting area and position the cord so that it will not be caught on lumber, tools, or other objects during cutting operations.

ELECTRICAL CONNECTION

Your Sears Craftsman Table Saw is powered by a precision built electric motor.

Do not operate this tool on direct current(DC). A substantial voltage drop will cause a loss of power and the motor will overheat. If the saw does not operation when plugged into an outlet, double check the power supply.

SPEED AND WIRING

The no-load speed of your table saw is approximately 3600 rpm. This speed is not constant and decreases under a load or with lower

voltage. For voltage, the wiring in a shop is as important as the motor's horse-power rating. A line intended only for lights cannot properly carry a power tool motor. Wire that is heavy enough for a short distance will be too light for a greater distance. A line that can support one power tool may be able to support two or three tools.

GROUNDING INSTRUCTIONS

1. All ground, cord-connected tools:

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 ordinance.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

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 of the electric cord or plug is necessary; do not connect the equipment-grounding conductor to a live terminal.

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.

Repair or replace a damaged or worm cord immediately.

This tool is intended for use on a circuit that has an outlet like the one shown in **Figure 1.1**. It also has a grounding pin like the one shown.

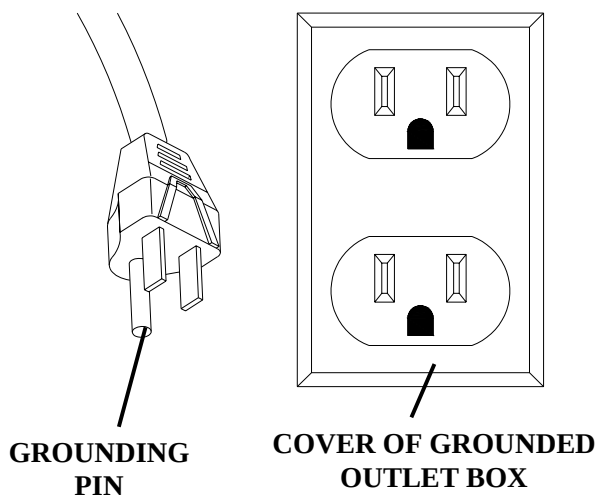


Fig.1.1

2. Grounded, cord-connected tools intended for use on a supply circuit having a nominal rating less than 150V:

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Sketch A in **Figure 1.2**. The tool has a grounding plug that looks like the plug illustrated in Sketch A in **Figure 1.2**. A temporary adapter, which looks like the adapter illustrated in Sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.

※ **Note: In Canada, the use of a temporary adaptor is not permitted by the Canadian Electrical Code.**

3. Grounded, cord-connected tools intended for use on a supply circuit having a nominal rating between 150-250V, inclusive:

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Sketch D in **Figure 1.2**. The tool has a grounded plug that looks like the plug illustrated in Sketch D in **Figure 1.2**. Make sure the tool is connected to an outlet having the same configuration as the plug. No adapter is available or should be used with this tool. If the tool must be reconnected for used on a different type of electric circuit, the reconnection should be made by qualified service personnel; and after reconnection, the tool should comply with all local codes and ordinances.

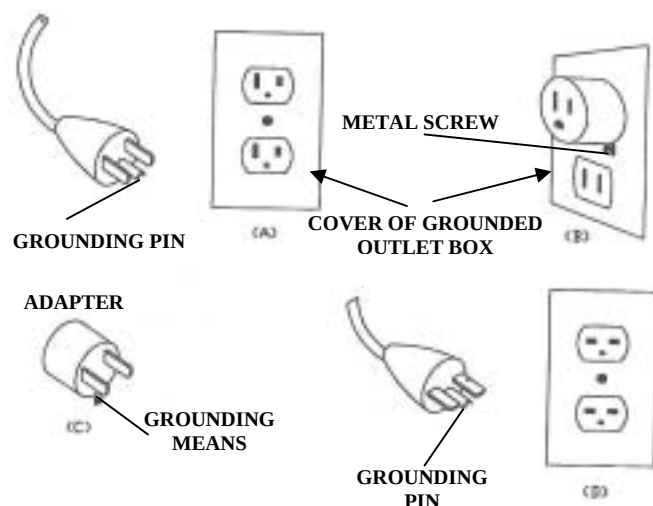


Fig.1.2

WIRING DIAGRAMS

1. TO 110 VOLT. Open motor wire box, contact No.1 red motor wire and No.3 yellow motor wire to either power wire; than contact No.2 black motor wire and No.4 white motor wire to another power wire. Please refer to Fig. 1.3.

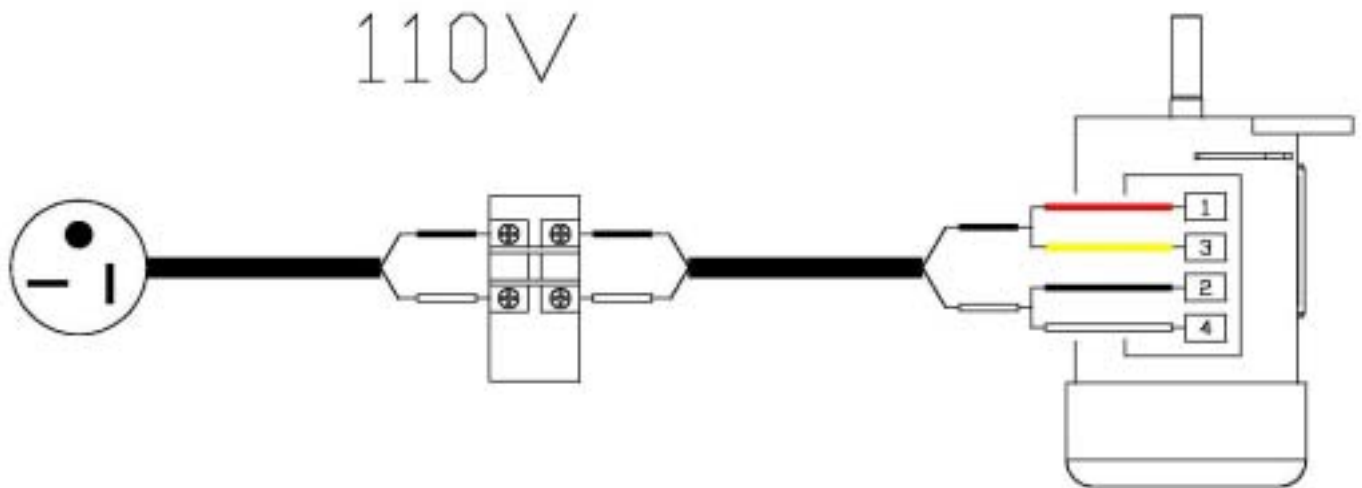


Fig.1.3

2. TO 220 VOLT. Open motor wire box, contact No.1 red motor wire to either power wire, and contact No.4 white motor wire to another power wire, than contact No.2 black motor wire to No.3 yellow motor wire. Place refer to Fig.1.4.

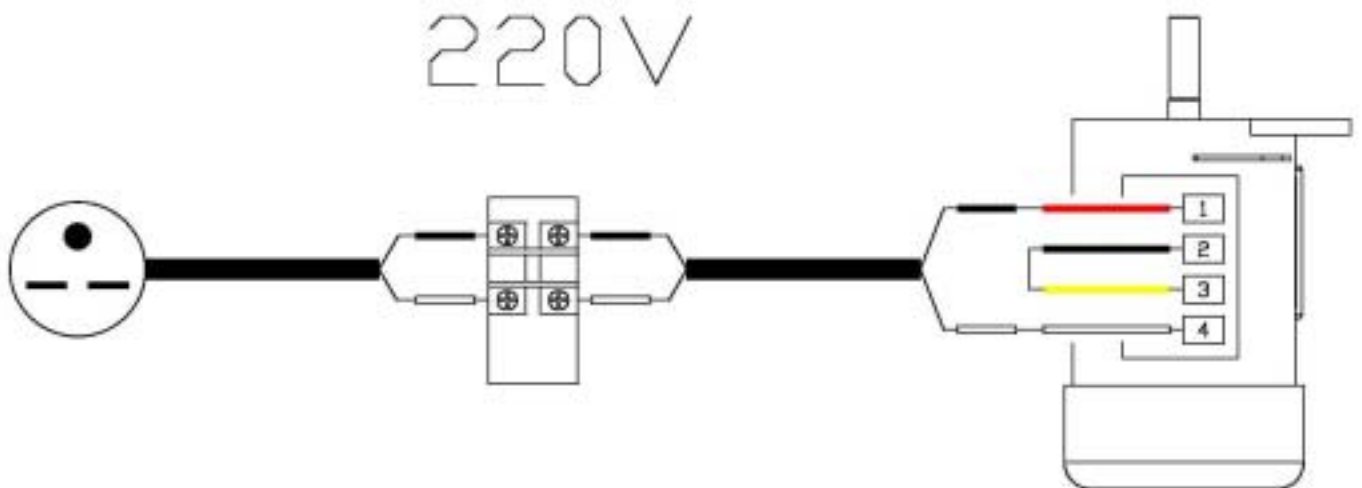


Fig1.4

GLOSSARY OF TERMS FOR WOODWORKING

Anti-Kickback Pawls

Toothed safety devices behind the blade designed to stop a workpiece from being kicked back at the operator during a ripping operation.

Arbor

The shaft on which a blade or cutting tool is mounted.

Bevel Cut

A cutting operation made with the blade at any angle other than 90° to the saw table.

Compound Cut

A cut with both a miter angle and a bevel angle.

Crosscut

A cutting operation made across the grain or the width of the workpiece.

Dado

A non-through cut that gives a square notch or trough; requires a special blade.

Featherboard

A device to help guide workpieces during rip cuts.

Freehand (for Table Saw)

Dangerous practice of making a cut without using rip or miter fences. See Safety Rules.

Gum

A sticky, sap-based residue from wood products.

Heel

Alignment of the blade.

Kerf

The material removed by the blade in a through cut or the slot produced by the blade in a non-through cut.

Kickback

A hazard that can occur when blade binds or stalls, throwing workpiece back toward operator.

Leading End

The end of the workpiece pushed into the cutting tool first.

Miter Cut

A cutting operation made with the miter gage at any angle other than 0°.

Molding

A non-through cut that gives a varied shape to the workpiece and requires a special blade.

Push Stick

A device used to feed the workpiece through the saw blade during narrow cutting operations. It helps keep the operator's hands well away from the blade.

Rabbet

A notch in the edge of a workpiece.

Resaw

A cutting operation to reduce the thickness of the workpiece in order to make thinner pieces.

Resin

A sticky, sap-based substance.

Rip Cut

A cut made with the the grain of the workpiece.

Sawblade Path

The area directly in line with the blade — over, under, behind, or in front of it. Also, the workpiece area which will be or has been cut by the blade.

Set

The distance that the tip of the saw blade tooth is bent (or set) outward from the face of the blade.

Throw-Back

Saw throwing back a workpiece; similar to kickback.

Through Sawing

Any cutting operation where the blade extends completely through the workpiece.

Trailing End

The workpiece end last cut by the blade in a rip cut.

Workpiece

The item on which the cutting operation is being done. The surfaces of a workpiece are commonly referred to as faces, ends, and edges.

Worktable

The surface on which the workpiece rests while performing a cutting operation.

MACHINE LEGEND

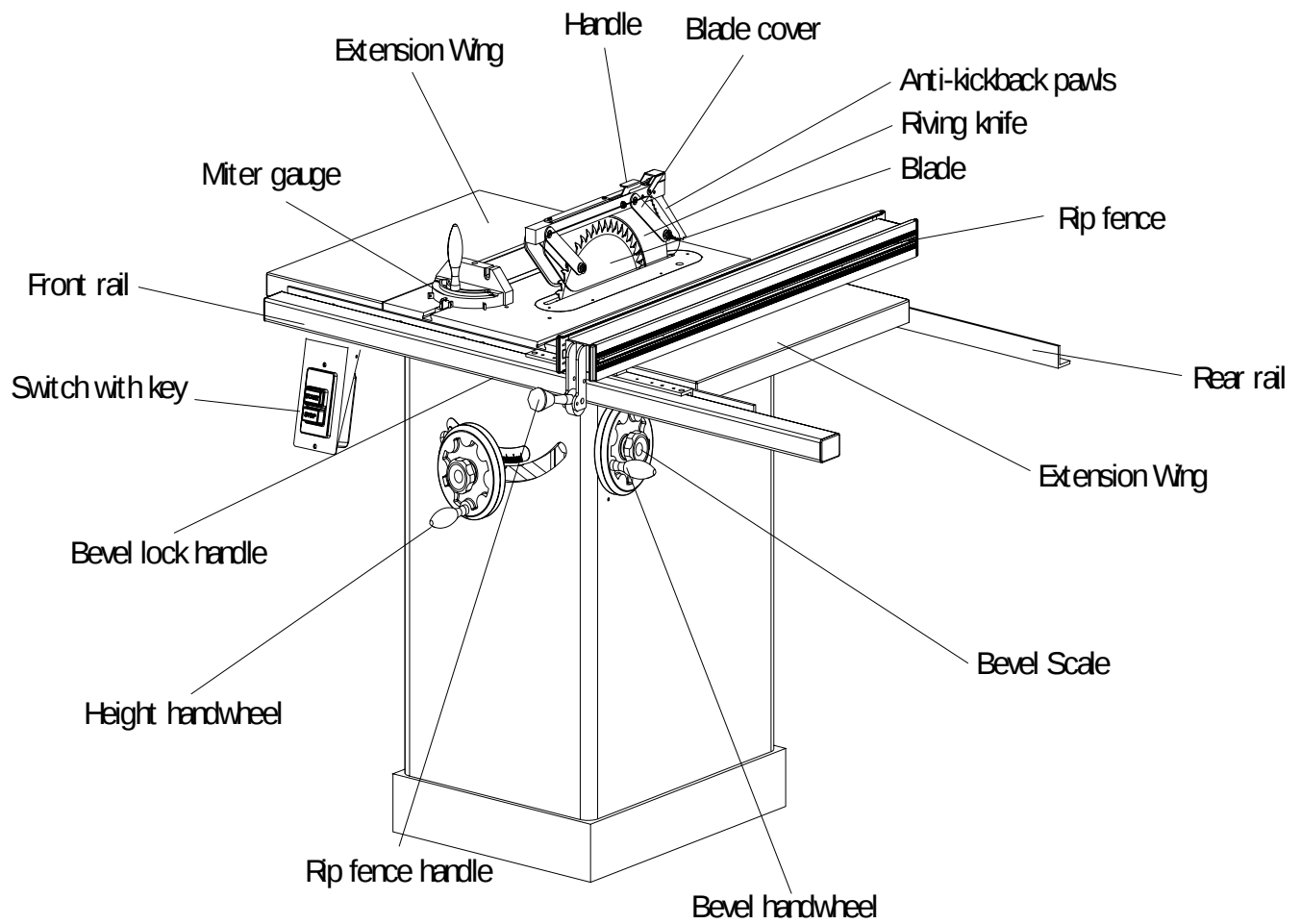


Fig. 2-1

OVERVIEW

The upper position of the blade projects up through the table, surrounded by an insert called the thru plate. The height of the blade is set with a hand wheel on the front of the cabinet. To accommodate wide panels, the tabletop has extensions on each side. Detailed instructions are provided in the Operation section of this manual for the basic cuts : Cross cuts, miter cuts, bevel cuts, and compound cuts.

For cuts with the blade straight up and cutting across the grain (cross cuts or miter cuts), use the miter gage to set the angle and push the wood into the blade. To cut with the blade straight up, along the grain of the wood (rip cuts), use the rip fence to guide the wood. Push smaller pieces with a push block or push stick. To tilt the blade for a bevel cut, use the hand wheel on the side of the cabinet. A bevel scale on the front of the cabinet shows the blade's angle. Use the miter gauge with a bevel cross cut (compound cut) and the rip fence with a bevel rip cut. Other cuts require special attachments, which have detailed instructions to reduce risk of injury and ensure the best performance from your new saw.

Before attempting to use your saw, familiarize yourself with all operating features and safety requirements of your table saw. The saw's features are described below .

ANTI-KICKBACK PAWLS – Kickback is a hazard in which the workpiece is thrown back toward the operator. The toothed pawls are designed to snag the workpiece to prevent or reduce injury should kickback occur.

BEVEL HANDWHEEL – This hand wheel on the right side of the cabinet tilts the blade for a bevel cut.

BEVEL SCALE – The easy-to-read scale on the front of the work stand shows the exact blade angle.

BLADE – This saw is provided with a 64 tooth, 12 in. steel blade. The blade is adjusted with bevel and height hand wheels on the cabinet. Bevel angles are locked with a handle below the front rail.

BEVEL LOCK HANDLE – This handle, placed just under the worktable surface on the front of the cabinet, locks the angle setting of the blade. Be sure the handle is hanging straight down before tilting the blade. If it is not straight down, it may jam and bend the locking bolt.

HEIGHT HANDWHEEL – Use this hand wheel to lower and raise the blade for adjustments or replacement. It is located on the right of the cabinet.

MITER GAUGE – This gage aligns the wood for a crosscut. The easy-to-read indicator shows the exact angle for a miter cut, with positive stops at 90° and 45° .

MITER GAUGE GROOVES – The miter gage rides in these grooves on either side of the blade.

RAILS – Front and rear rails provide support for large work pieces and the rip fence.

RIP FENCE – A sturdy metal fence guides the workpiece and is secured with the rip fence handle. Grooves run along the top and sides of the rip fence for use with optional clamps and accessories.

RIP FENCE HANDLE – The handle on the front of the rip fence releases the rip fence or locks it in place.

RIVING KNIFE OR SPREADER – Located directly behind the blade, it keeps cut edges from binding and supports the blade guard.

SCALE – Found on the front rail, the easy-to-read scale provides precise measurements in rip cuts.

EXTENSIONS WINGS – Removable stamped steel extensions, 12 in. By 27 in., support larger work pieces.

⚠ WARNING :

1. Be sure to use only blades rated for at least 4000 rpm and recommended for use on this saw.
2. Please use the standard blade according to the specification mark on the blade as Fig.2-2 & Fig.2-3 :

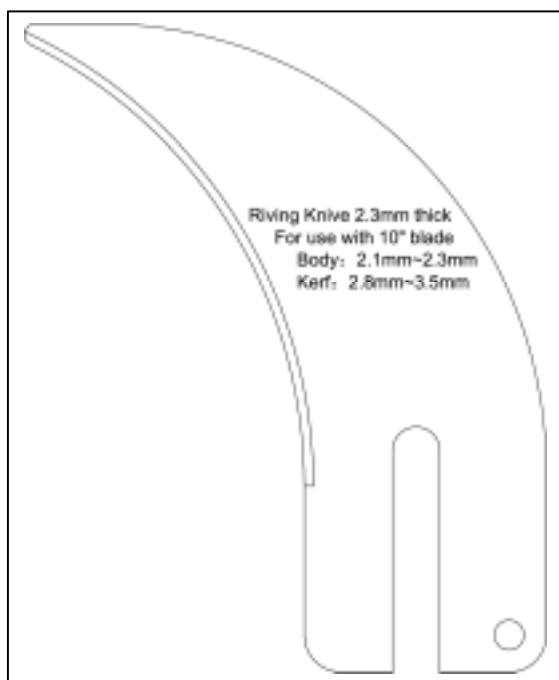


Fig2-2

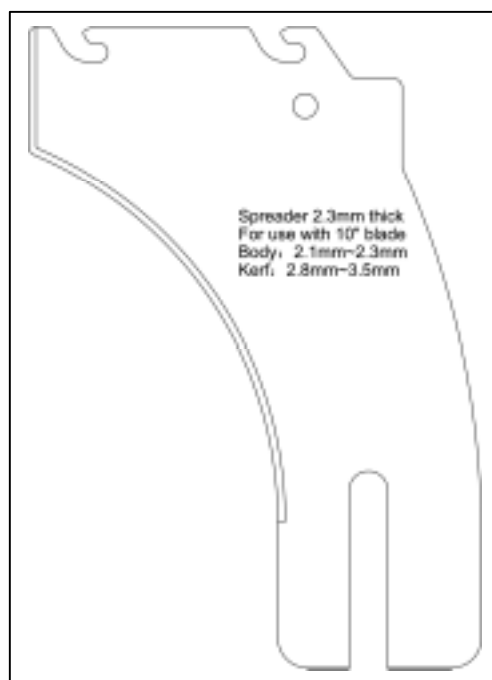


Fig2-3

ASSEMBLE AND ADJUSTMENTS

ASSEMBLE THE RAISING AND TILTING HANDWHEELS AND LOCK KNOBS

1. Place the wheels in position over the raising and tilting screws being sure to engage the slots, a (Fig.3), in back of each wheel with the roll pins, b (Fig.3), as shown at right.
2. Screw on lock knobs c(Fig.4), to hold wheels in place, then attach silver handles, d(Fig.4) tightening them with the supplied 12mm combination wrench.
3. To use rising and tilting wheels, loosen lock nuts (but not too much or roll pins will disengage from slots), turn wheels to desired position and retighten lock nuts. Do not operate saw with lock nuts untightened as the blade could move out of position.

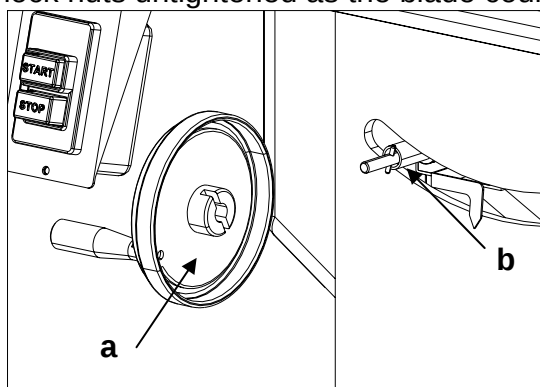


Fig. 3

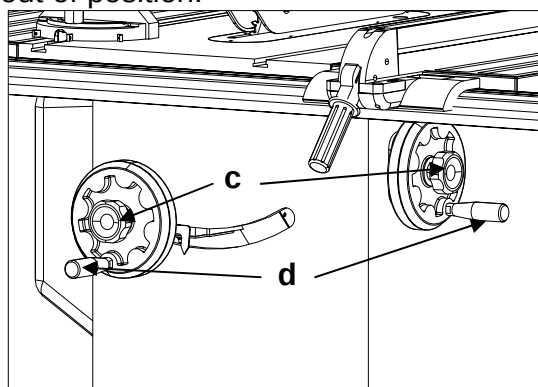


Fig. 4

REMOVE GREASE FROM THE SAW TOP

The protective coating on the saw table top and extension wings prevents rust from forming during shipping and storage. Remove it by rubbing with a rag dipped in kerosene, mineral spirits or paint thinner. (Dispose of potentially flammable solvent-soaked rags according to manufacturer's safety recommendations.) A putty knife, held flat to avoid scratching the surface, may also be used to scrape off the coating followed by clean-up with solvent. Avoid rubbing the saw's painted surfaces, as many solvent-based products will remove paint.

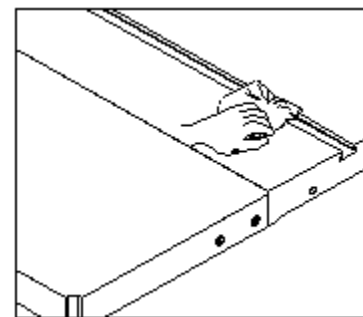


Fig. 5

ASSEMBLE THE EXTENSION WINGS

Attach extension wings using the 6 hex head screws and lock washers. Make screws only finger tight at first. Use a straightedge to ensure that wing is level with table from front to back. Gently tap wing up or down, then tighten screws with the supplied combination wrench, leaving the center screw last to be tightened.

Be sure that extension wings are flush with front edge of table and that the painted ends face out.

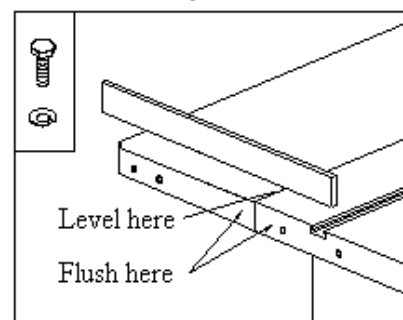


Fig. 6

ASSEMBLE AND ADJUSTMENTS

CHECK HEELING (PARALLELING) OF THE SAWBLADE TO THE MITER GAGE GROOVE

See Figures 7 and 8.

DO NOT loosen any screws until you have checked with a square and made sure adjustments are necessary. Once the screws are loosened, these items must be reset.

▲ WARNING: Make sure the switch is off, and your saw is unplugged. Failure to do so could result in accidental starting, resulting in serious personal injury.

▲ WARNING: The saw blade must be parallel to the miter gauge groove so the wood does not bind, resulting in kickback. You could be hit or cut.

- Lift the blade guard. Raise the blade all the way by turning the height hand wheel.
- Mark beside one of the saw blade teeth at the front of the blade. Place a framing square beside the blade on the mark. Be sure the framing square is between the teeth and flat against the blade. Measure the distance to the right miter gauge groove.
- Turn saw blade so the marked tooth is at the back.
- Move the square to the rear and again measure the distance to the right miter gauge groove. If the distances are the same, the blade and the miter gauge groove are parallel. No adjustments are needed.
- If the distances measured are different, adjust the table bracket underneath the saw. See "Heeling (Paralleling) The Saw blade To The Miter Gauge Groove" in the Adjustments section.

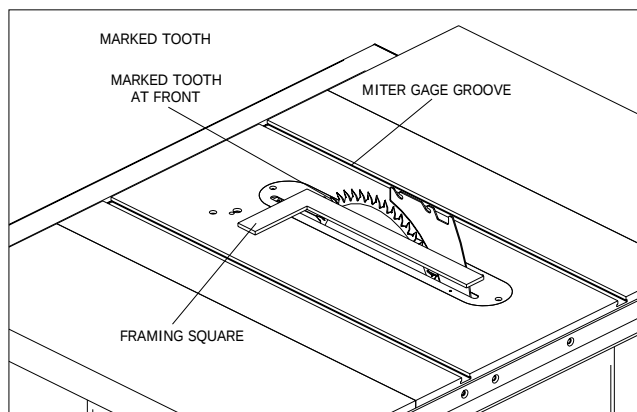


Fig.7

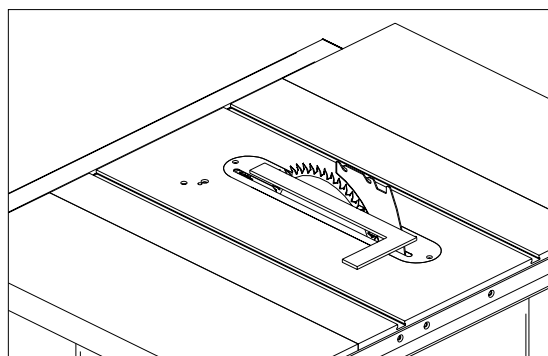


Fig.8

ASSEMBLE AND ADJUSTMENTS

CHECKING SQUARENESS OF EXTENSION TABLES SAW TABLE

See Figure 9 and 10.

The extension wing should be checked for squareness to the saw table for smooth operation of the rip fence and rails.

Place a square on the saw table, with the short end up and check. The long end of the square should extend across one of the extension wing. If the extension wing, proceed as follow

- Loosen the two hex nuts (one for each rail) securing the front and rear rails to the extension wing. **Do not** loosen hex nuts securing rails to saw table
- Raise or lower extension wing until it is square with the saw table.
- Tighten hex nuts securely.
- Check extension table on opposite side of blade.

Repeat the above procedure until it reaches the Squares. (Fig.10)

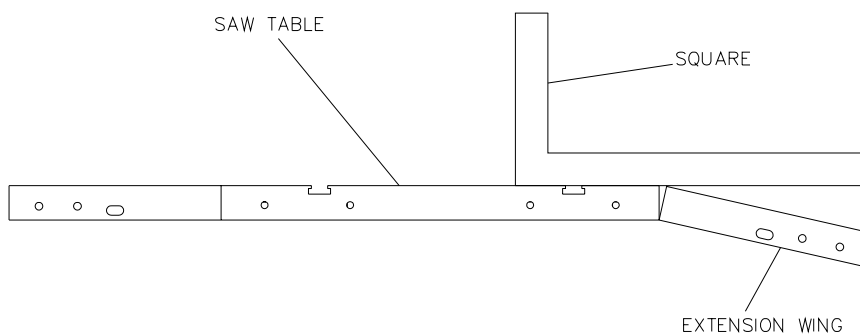


Fig.9

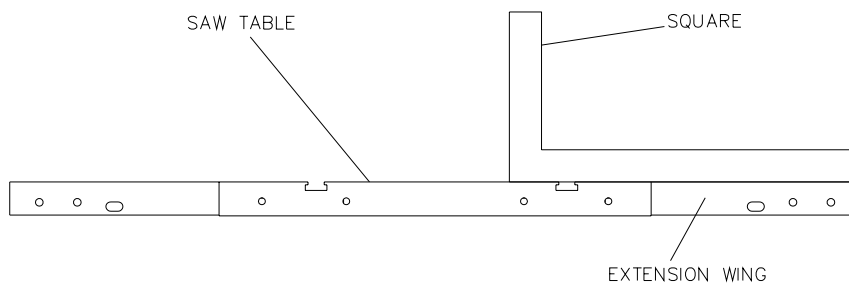


Fig.10

ASSEMBLE AND ADJUSTMENTS

CHANGING THE SAW BLADE.

Attention: left hand thread.

Remove the arbor nut (J) and flange (I).

Place saw blade on arbor shaft making sure teeth point down at the front of the saw.

Reinstall flange and arbor nut and securely tighten.

Remove the locking pin (K).

Check the correct position of the riving knife in regards to the saw blade (see the next section).

Reinstall the saw guard.

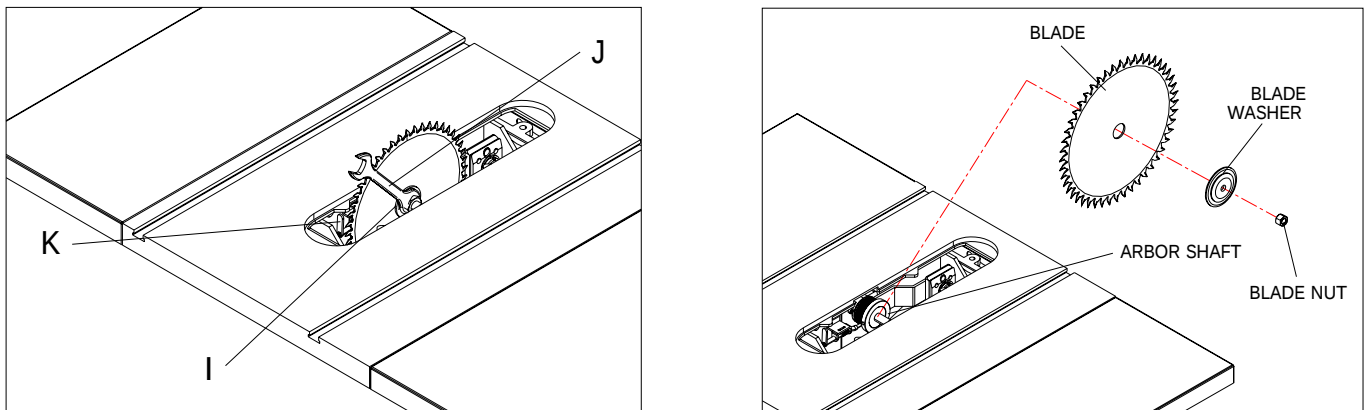


Fig.11

MOUNTING AND ADJUST THE RIVING KNIFE:

The supplied riving knife must always be used.

The riving knife has to be adjusted in such a way that over its entire length the gap between saw blade and riving knife does not exceed min.3 mm and max.8 mm (Fig 12).

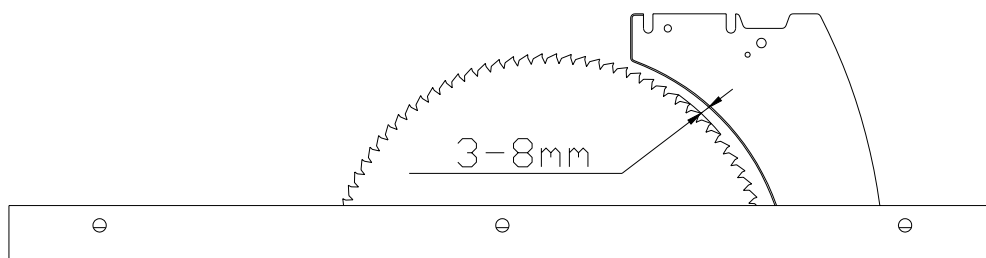


Fig.12

The handle(L) should keep up as Fig.13. When install the riving knife. Then fix the handle(L) by rotation after riving knife installation as Fig.14.

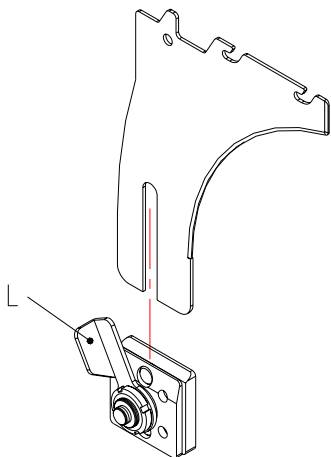


Fig. 13

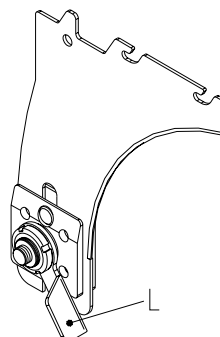


Fig. 14

TO ADJUST THE RIVING KNIFE:

1. Disconnect the saw from the power source.
2. Move the blade tilt to 0 ° (blade 90 ° to table) and raise the main blade all the way up.
3. Check both sides of the blade with a straight edge touching the teeth as shown in **Figure 15**:
 ---If the straightedge touches the riving knife evenly on both sides, go to **step 4**.
 ---if the straightedge only touches the riving knife on one side, go to **step 5**.

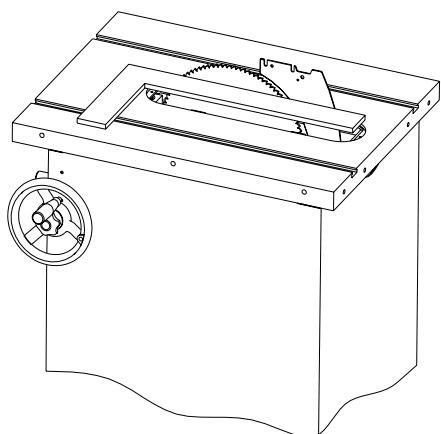


Fig. 15 (checking riving knife alignment)

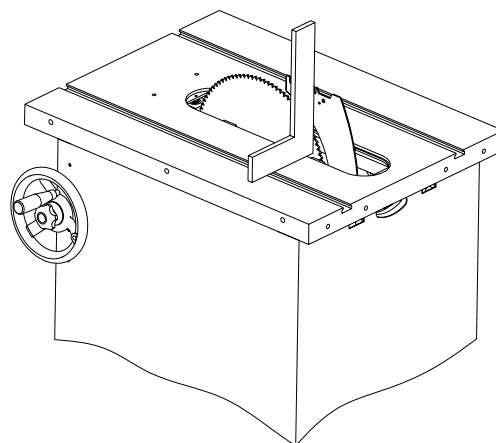


Fig. 16 (checking vertical alignment)

4. Place a machinist's square flat on the table and slides it against the riving knife as shown in **Figure 16**:
 --- If the square lies flat against the riving knife, the riving knife is correctly adjusted.
 --- If there is a gap between the square and the riving knife, go to **Step 6**.
5. Loosen the riving knife center bolt and remove the riving knife.

6. Use the set screws shown in **Figure 17** to adjust the riving knife bracket and re-install the riving knife.

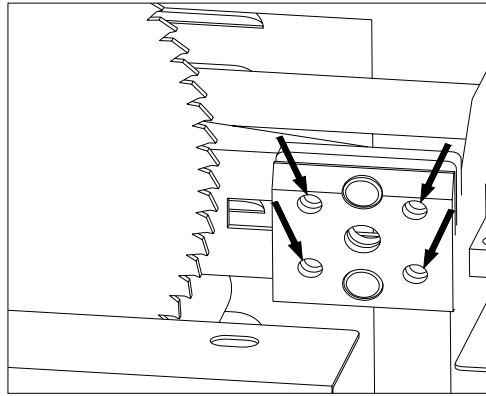


Fig.17 (set screw for adjusting riving knife)

7. Repeat step 3-7 until the riving knife is centered on the blade and aligned at 90° to the table.
8. Position the riving knife about 3mm or 1/8" away from the nearest carbide tooth on the main blade.
9. Lock the riving knife on the safety and appropriate position.

ASSEMBLE THE BLADE GUARD:

1. Before installation the blade guard, please confirmed Fig.18 the handle (M) keep on open as Fig.19.

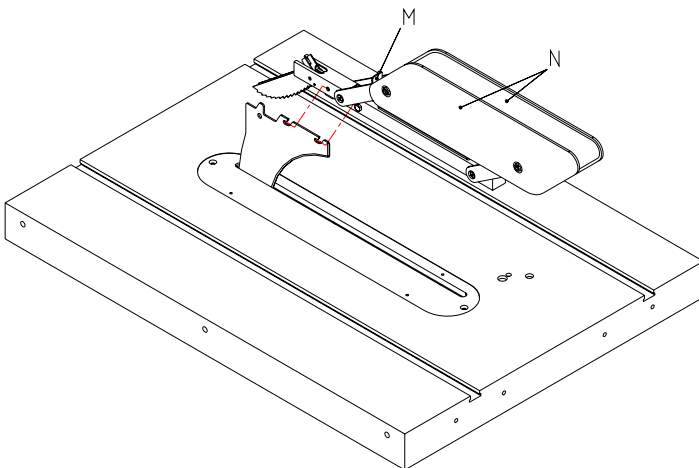


Fig.18

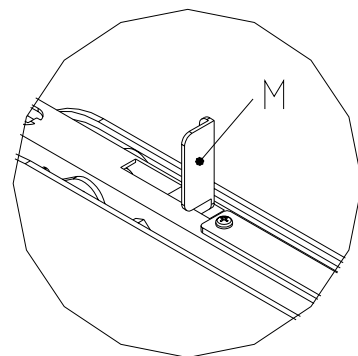


Fig.19

2. Pull up the guards as Fig.18.
3. Insert the guards on the position O & P of riving knife as Fig.18.
4. Put down the guards(N) as Fig.20 and lock the handle(M), then fix the handle(M) as Fig.21.

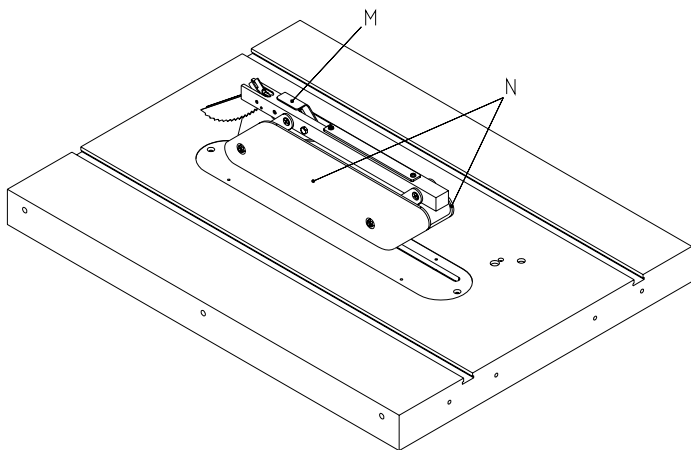


Fig.20

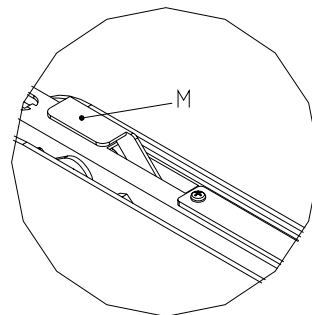


Fig.21

Check the 45° setting. Tilt the blade with the bevel hand wheel as far as it will go to the left. Place the square against the blade (be sure the square is not against one of the saw teeth). If the blade is not at 45°, unscrew the 45° stop screw, turn the hand wheel until the blade is correct, and tighten the screw. Recheck and repeat it necessary.

Check that the scale indicator is at 45°.

If not, loosen the scale indicator with a screwdriver, adjust it within the slot, and retighten the screw.

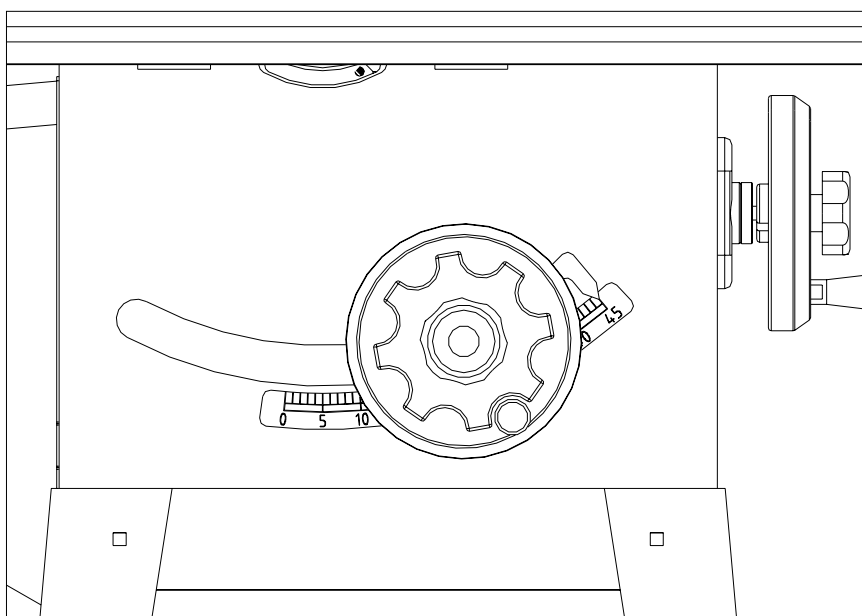


Fig.22

SWITCH INSTALLATION:

Install the switch on the location as Fig.23 with the hex. Screw 1/4"X20UNCX5/8". Lock the screw under the Front rail, and make sure you have lock including star washer A as Fig.23.

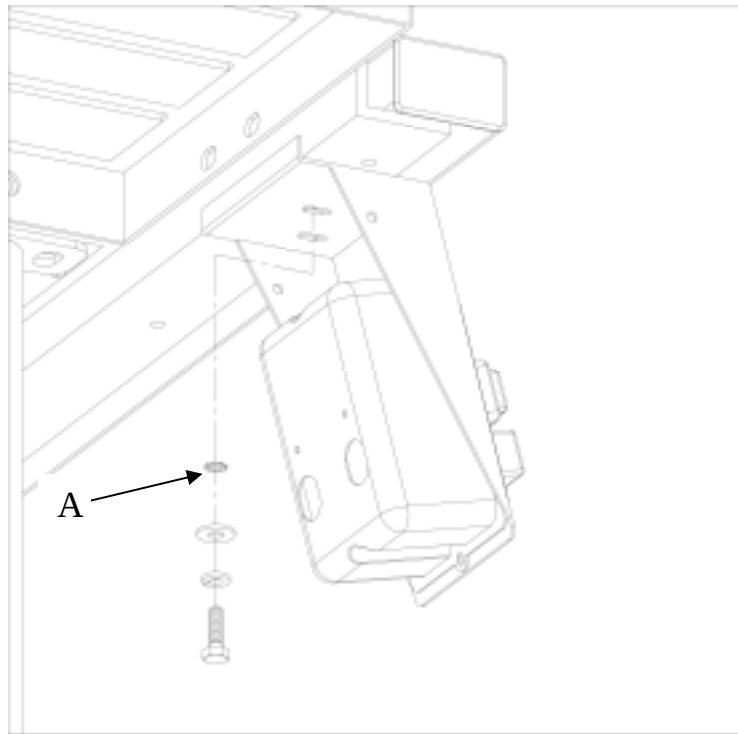


Fig.23

The switch must be well locked after operating the machine as Fig.24.

Place put the key in safety place that children cannot reach.

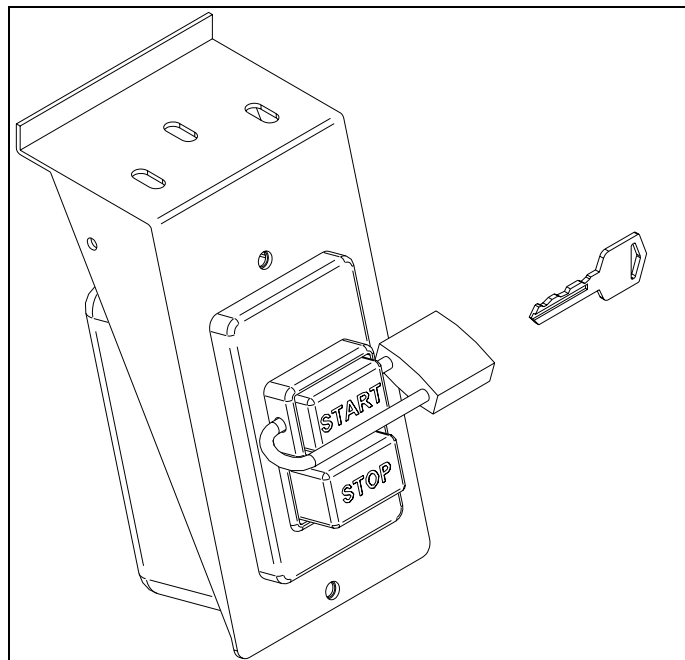


Fig.2

ADJUSTING THE MITER GAUGE

See Figure 25.

You can set the miter gauge at 0° and plus or minus 45° with the miter gauge stop pin and adjustable stop screws.

Note: The miter gauge provides close accuracy in angled cuts. For very close tolerances, test cuts are recommended.

- Loosen knob and pull out on stop pin to rotate miter gauge base past stop screws.
- Loosen the lock nut of the 0° stop screw at the stop pin with a 8mm wrench.
- Place a 90° square against the miter gauge rod and the miter gauge base.
- If the rod is not square, loosen the knob, adjust the rod, and tighten the knob.
- Adjust the 0° stop screw until it rests against the stop pin.
- Adjust the plus and minus 45° stop screws using a 45° triangle and the steps above.

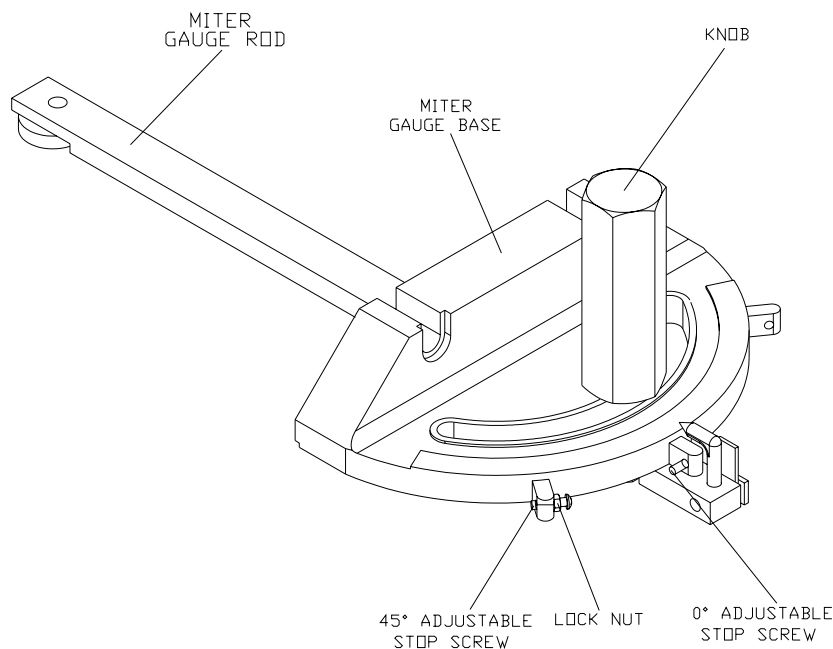


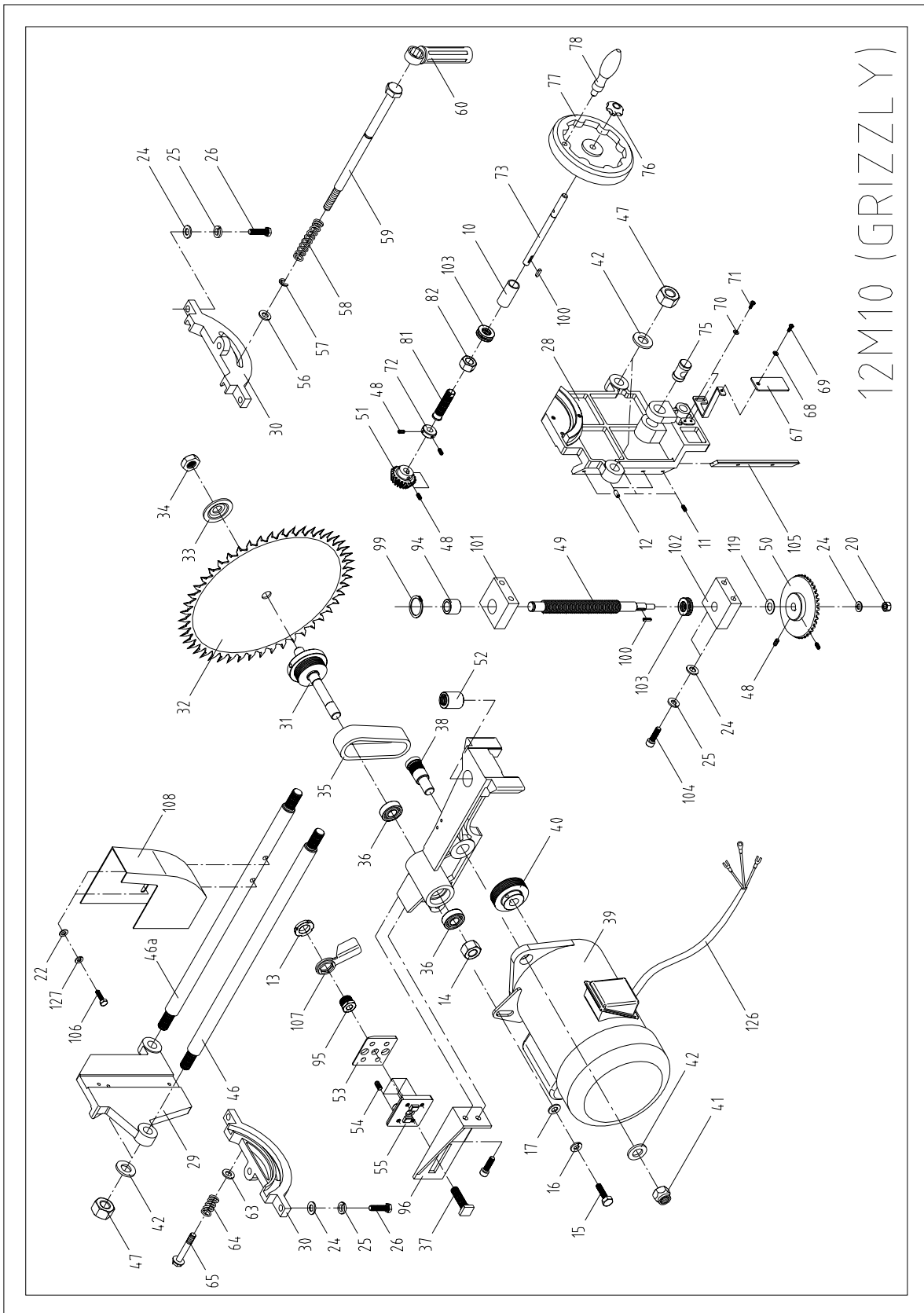
Fig.25

12M10A



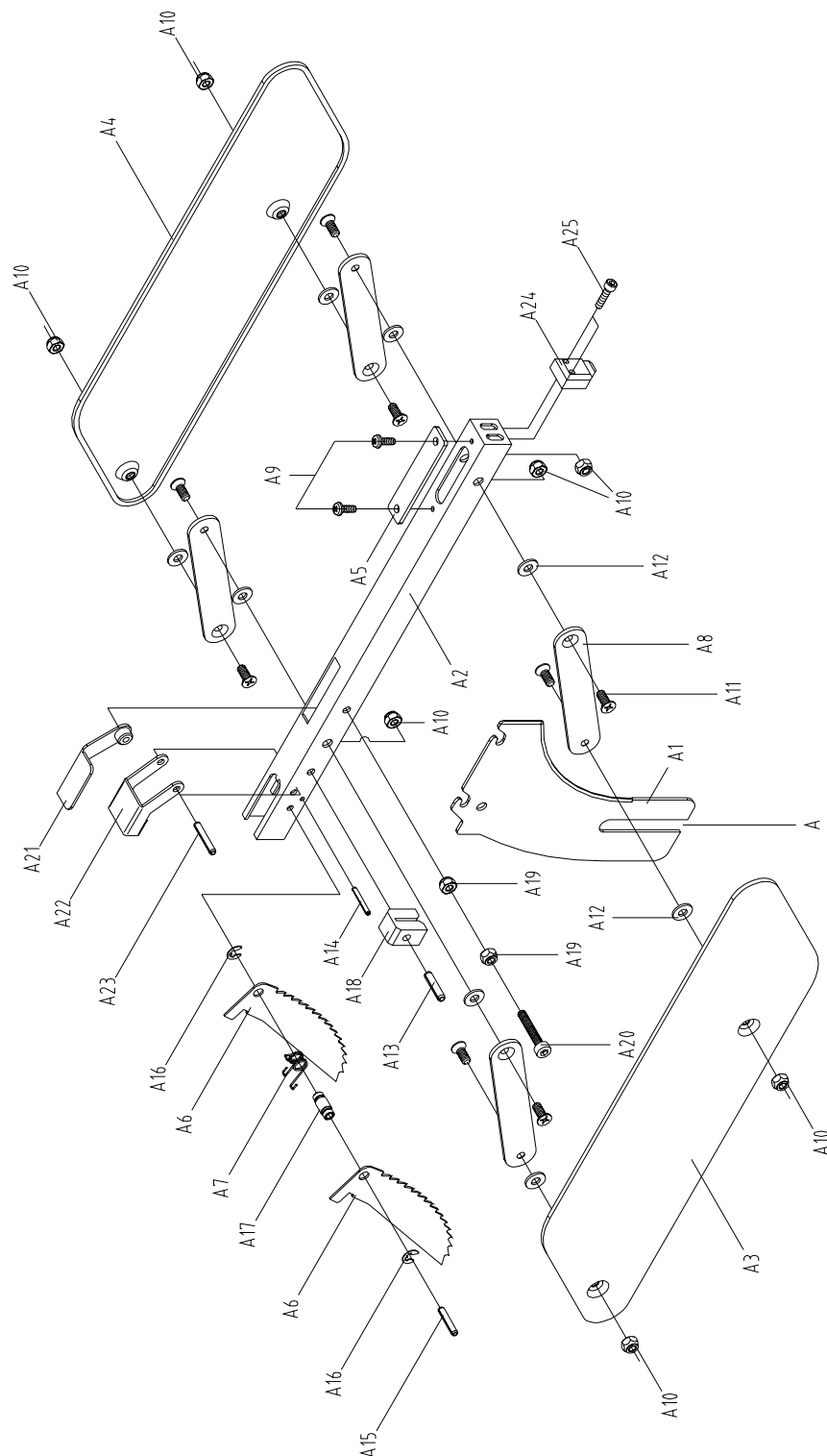
ASSEMBLY DIAGRAM

12M10A



ASSEMBLY DIAGRAM

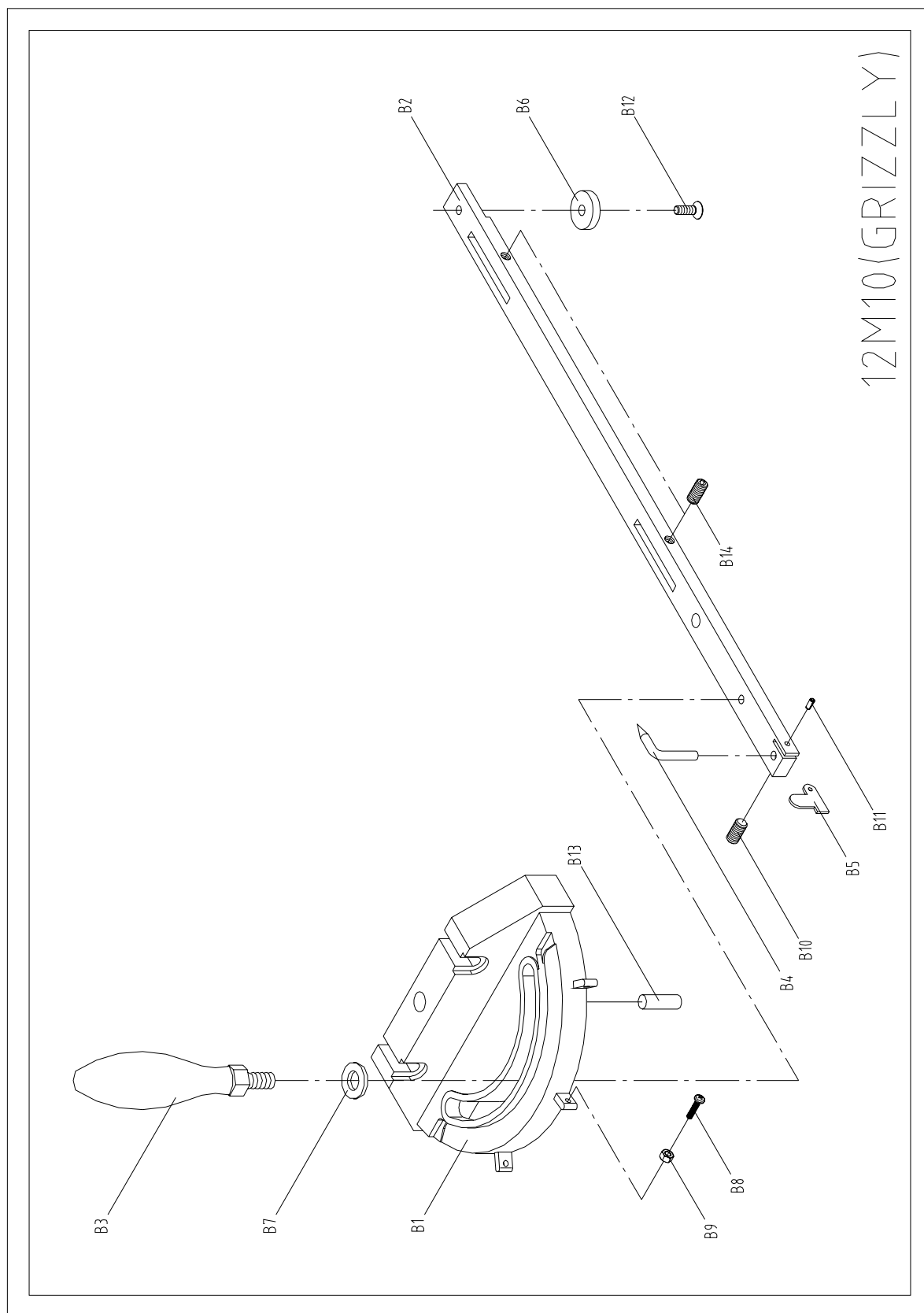
12M10A



12M10 (GRIZZLY)

ASSEMBLY DIAGRAM

12M10A



12M10(GRIZZLY)

PART LIST

NO.	PART NO.	DESCRIPTION	Q'TY
1	12700001	Table	1
2	E1210005	Extension Wing	2
3	12700003	Table Insert	1
4	S0010835M	HEX. SCREW M8XP1.25X35	4
5	13200031	Bearing Ring	2
6	S0050605M	Set screw M6XP1.0X5	4
7	C1106201	Ball Bearing	1
8	13200034	Position nut	2
9	S0050505M	Set screw M5XP0.8X5	4
10	12700019	Sleeve	2
11	S0050610M	Set screw M6XP1.0X10	3
12	S0320615	Pin Ø6X15	2
13	S009AN04	Bearing nut M20XP1.0	1
14	S0110500L	HEX NUT 5/8"X24UNF	1
15	S0021025M	HAX. SCREW M10XP1.5X25	6
16	S0231000M	SPRING WASHER Ø10	7
17	S0211021	FLAT WASHER Ø10XØ21X2t	7
18	12700034a	CABINET BOTTOM	1
19	12700035a	CABINET COVER	1
20	S0120800M	LOCKING NUT M8XP1.25	1
21	S0050505M	Set screw M5XP0.8X5	6
22	S0210401a	FLAT WASHER Ø1/4"XØ13X1t	7
23	S0210405	FLAT WASHER Ø1/4"XØ10X1t	2
24	S0210516	FLAT WASHER Ø5/16"XØ16X2t	18

25	S0230506	SPRING WASHER Ø5/16"	18
26	S0020825M	HAX. SCREW M8XP1.25X25	6
27	12700008	Main Shaft	1
28	12700009	Front Trunnion	1
29	12700010	Rear Trunnion	1
30	12700011	Trunnion Bracket	2
31	12700012	Arbor	1
32	B0000000	Blade	1
33	10105069Q	Washer	1
34	11105068	Nut	1
35	V1305180	V-Belt	1
36	C1206202A	Ball Bearing	2
37	12700057	SCREW	1
38	12700013	Bracket Shaft	1
39	M1271602	Motor 2HP/115V/230V/60HZ/1PH	1
40	13200009	Driven Roller	1
41	S0120580	LOCKING NUT 5/8"-11UNC	1
42	S0210540	FLAT WASHER Ø5/8"XØ40X2t	5
43	12700036a	DUST HOLE COVER	1
44	13000004a	Riving Knife	1
46	12700030	Tie Rod	1
46a	12700030a	Tie Rod	1
47	S0110502	Hex Nut 5/8"-18UNFx10mm (LH)	4
48	S0050103	Set Screw 1/4"-20UNCx3/8"	6
49	12700014L	Adjustment Screw Bar	1
50	21600070	Beve1 Gear	1

51	21600069	Bevel Gear	1
52	13200038	Screw Bar Bushing	1
53	12300125J	Fixed Block	1
54	S0050810M	Set Screw M8XP1.25X10	4
55	12300118J	Riving Knife Holder	1
56	S0210500b	Flat Washer Ø8.2xØ22x3	1
57	S05ETW09	E-Ring	1
58	11105081	Locking Spring	1
59	12700029	Locking Bolt	1
60	11102019A	Handle Assembly	1
60r	11102019r	LOCKING HANDLE	1
60b	11102019b	LOCKING SLEEVE	1
61	S0030512	SCREW 5/16"-18UNCX3/4"	4
62	S0110500	HEX. NUT 5/16"-18UNC	4
63	S0210402	Flat Washer Ø6.2xØ19x2t	1
64	11105080	Spring	1
65	11102020	Hex Bolt	1
66	12700028	Indicator Bracket	1
67	11105057	Indicator Plate	1
68	S0210300b	Washer 4.3x10x1t	4
69	S0030408M	PHILIP HD. SCREW M4XP0.7X8	4
70	S0210304	Flat Washer Ø5.2XØ12X2t	6
71	S0030510M	PHILIP HD. SCREW M5XP0.8X10	2
72	12700041	Spacer	1
73	12700016	Screw Bar	1
74	S0310422	Pin Ø4x22	2

75	11105064	Rod Cap	1
76	10105054	Knob 3/8"	2
77	10108005	Hand Wheel	2
78	10108004	Handle	2
79	13200013	Tilt Shaft	1
80	13200032	Hand Wheel Connector	1
81	12700027	Eccentric	1
82	S0110900	Hex Nut 9/16"-20UNF	1
83	12700017a	Cabinet	1
84	J1270001	Scale	1
85	12700018	Motor Cover	1
86	S0020816M	Hex Screw M8XP1.25X16	4
87	12100038	Handle	2
88	12100039	Teeth Rod	2
89	12100040	Fixed Rubber	2
90	S0120600M	Locking nut M6XP1.0	2
91	S0220400	Teeth washer 1/4"	3
92	L0000132a	Power Wire	1
93	S0010515M	HEX. SCREW M5XP0.8X15	2
94	20900028	Bushing	2
95	12700059	NUT	1
96	12700020	Supporting Bracket	1
97	S0010815	HEX SCREW M8XP1.25X15	2
98	S0310318	Pin Ø3x18	2
99	S0520015	C-Ring	1
100	S0400520	KEY 5X5X20	1

101	12700021	Fixed Block	1
102	12700022	Fixed Block	1
103	C5151102	Bearing	1
104	S0010865M	HEX. SCREW M8XP1.25X65	4
105	12700023	Regular	1
106	S0020416	HEX. SCREW 1/4"-20UNCX1"	2
107	12700058	RIVING KNIFE HANDLE	1
108	12700024	Dust Cover	1
109	10401029	FOOT STAND	4
110	S0020410	HEX. SCREW 1/4"-20UNCX5/8"	3
111	S0230500M	SPRING WASHER Ø5MM	2
112	12700050a	TENON HANDLE	1
113	12700048a	TENON FIXED PLATE	1
114	12700049a	TENON	1
115	10102032	SPRING WASHER	1
116	S0110800M	HEX. SCREW M8XP1.25	2
119	S0241932	Washer Ø19.1XØ32X1t	1
120	S0110300	HEX. NUT 3/16"X24UNC	2
121	S0030324	PHILIP HD. SCREW 3/16"-24UNCX1-1/2"	2
122	W0000007	SWITCH	1
123	10105053G	SWITCH COVER	1
124	10105052p	SWITCH BOX	1
125	S1017W-2	Strain Relief	3
126	LC1430402	Motor cord	1
127	S0230400	SPRING WASHER Ø1/4"	5
136	10105090Q	Wrench 19x32	1

137	S0911417	Wrench 14x17	1
138	S0911012	Wrench 10x12	1
139	S0910206	Allen key 6mm	1
140	S0910203	ALLEN KEY 3MM	1
141	J1010808	MANUAL LABEL	1
142	J30301003	SAFETY GLASSES LABEL	1
143	J1010807	UNPLUG WARNING LABEL	1
144	J1010803	WARNING LABEL	1
145	J30301002	ELECTRICITY LABEL	1
145	JZ127001X	MACHINE ID LABEL	1
146	J1010809	BLADE GUARD LABEL	1
A1	13000004	Riving Knife	1
A2	12700005	SUPPORTING ARM	1
A3	12700006	Left Blade Guard	1
A4	12700007	Right Blade Guard	1
A5	12700067	Perspective plate	1
A6	12700037a	ANTI-KICKBACK	2
A7	10103040	ANTI-KICKBACK SPRING	1
A8	10103035Q	HEAVE ARM	2
A9	S0030304	PHILIP HD. SCREW 3/16"-24UNCX1/4"	2
A10	S0120200	LOCKING NUT 1/4"-20UNC	8
A11	S0040412	FLAT HD. SCREW 1/4"-20UNCX5/8"	8
A12	S0210404	FLAT WASHER 1/4"X23X3t	8
A13	S0310630	PIN Ø6-30	1
A14	S0313528	PIN Ø3.5-28	1
A15	S0310528	PIN Ø5-28	1

A16	S05ETW07	E-RING	2
A17	12700051a	FIXED SLEEVE	1
A18	12700039a	SUPPORTING ARM BLOCK	1
A19	S0120600M	LOCKING NUT M6X1.0	2
A20	S0010635M	HEX. SCREW M6XP1.0X35	1
A21	12700054	HANDLE	1
A22	12700061	ANTI-KICKBACK SUPPORTOR	1
A23	S0310530	PIN Ø5-30	1
A24	12700062	FEEDING GUARD	1
A25	S0010512M	HEX. SCREW M5XP0.8X12	2
A26	12700038	ALU. HEAVE ARM	2
B1	10104046K	MITER GAUGE BODY	1
B2	10104048G	MITER BAR	1
B3	10108001	HAND KNOB	1
B4	10104050G	POINTER	1
B5	10104049Q	STOP LINK	1
B6	10104047	SLIDING BLOCK	1
B7	S0210501	FLAT WASHER 5/16"X23X2t	1
B8	S0030110	PHILIP HD. SCREW 5/32"X32UNCX5/8"	3
B9	S0110100	HEX. NUT 5/32"	3
B10	S0050404	SET SCREW 1/4"-20UNCX1/4"	1
B11	S0310306	PIN Ø3X6	1
B12	S0040400	FLAT HD. SCREW 1/4"X20UNCX1/4"	1
B13	10104047K	PIN Ø8X20MM	1
B14	S0050404	SET SCREW 3/16"-24UNCX5/8"	2