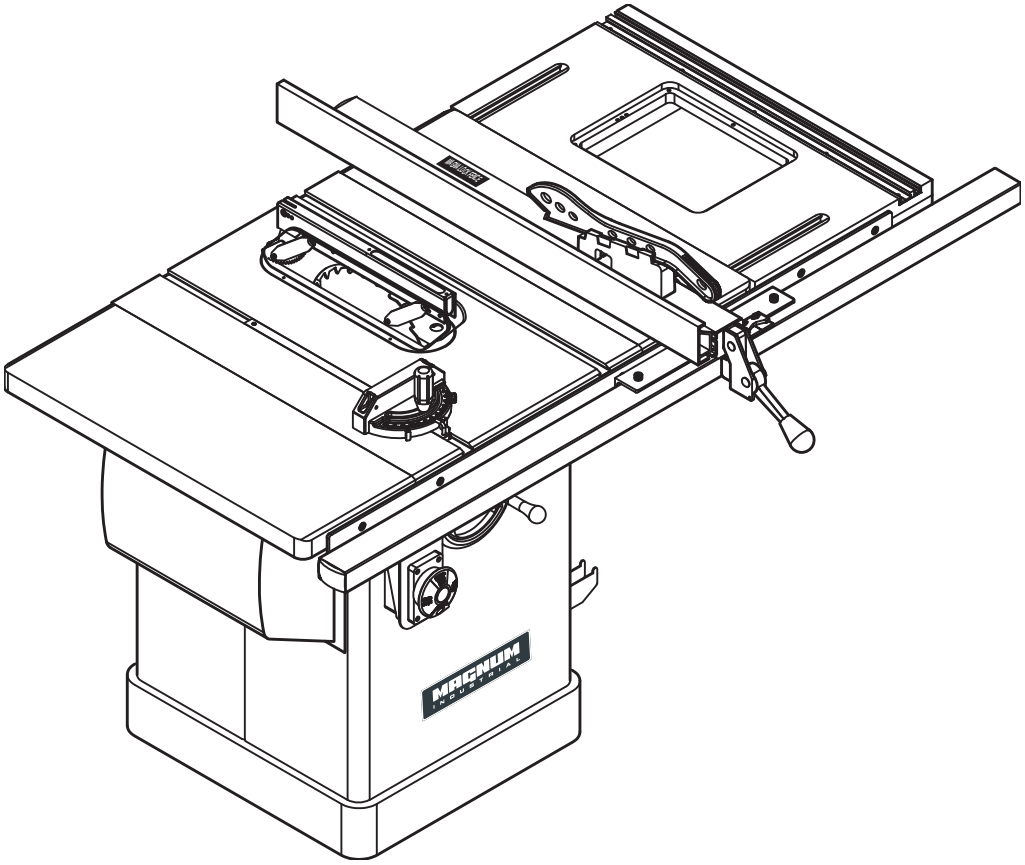
MAGNUM
INDUSTRIAL

MODEL NO.: MI-51180



OPERATING MANUAL

RULES for SAFE OPERATION
MAGNUM INDUSTRIAL MI-51180 TABLE SAW

To help ensure safe operation, please take a moment to learn how to operate the machine and understand its applications and limitations, as well as potential hazards. KMS Tools and Equipment disclaims any real or implied warranty and holds itself harmless for any injury that may result from the improper use of this equipment.

- Read and understand the entire owner's manual before attempting assembly or operation.
- Read and understand the warnings posted on the machine and in this manual. Failure to comply with all of these warnings may result in serious injury.
- Replace the warning labels if they become obscured or removed.
- This table saw is designed and intended for use by properly trained, experienced personnel. If you are not familiar with the correct and safe operation of a table saw, do not operate this machine until you have received proper training.
- Fine particulate dust is a carcinogen that can be hazardous to health. Work in a well-ventilated area and whenever possible use a dust collector. Wear CSA-approved face, eye, ear, respiratory and body protection devices.
- Do not wear loose clothing, gloves, bracelets, necklaces or other jewelry while operating this saw. Tie back long hair and roll up sleeves.
- Remove adjusting wrenches, tools and other clutter from the machine and the table surface before using the machine.
- Keep hands well away from the blade and all moving parts. Use a brush or compressed air, not hands, to clear away chips and dust.
- Do not operate the band saw when tired, distracted or under the effects of drugs, alcohol or any medication that impairs reflexes or alertness.
- Ensure your working area is spacious, well lit, and free of debris.
- Keep children and visitors at a safe distance when the band saw is in operation. Do not permit them to operate the band saw.
- Prevent unauthorized or unsupervised use by child proofing and tamper proofing your shop and all machinery with locks, master electrical switches and switch keys.
- Stay alert! Give your work your undivided attention. Even a momentary distraction can lead to serious injury.
- Ensure the machine is properly grounded
- Unplug the machine before making adjustments or performing maintenance. When a machine requires repairs, red tag it and mark it as out of order until maintenance is performed.
- Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning, properly reattach it before using the tool again.
- Check the alignment of the riving knife, fence, and mitre slot to the blade. A caution decal is installed on each guard to remind the operator of the dangers of improper machine operation.
- Before using the saw, check for damaged parts. If a guard or other part is damaged, replace or repair it before using the saw.
- Check the alignment of moving parts to ensure the machine functions without binding or breaking.

RULES for SAFE OPERATION
MAGNUM INDUSTRIAL MI-51180 TABLE SAW

- Maintain a balanced stance at all times so that you do not fall or lean against the blade or other moving parts. Do not overreach or use excessive force to perform any machine operation.
- Use the right tool at the correct speed and feed rate. Do not force a tool or attachment to do a job for which it was not designed. The right tool will do the job better and safer.
- Use recommended accessories; improper accessories may be hazardous.
- Maintain tools with care. Keep the blade sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories.
- Check the saw blade for cracks or missing teeth. Do not use a cracked or dull blade or one with missing teeth. Make sure the blade is securely locked on the arbor.
- Keep hands clear of the blade area. Do not reach past the blade to clear parts or scrap with the saw blade running. Never saw freehand. Avoid awkward operations and hand positions where a sudden slip could cause your hand to contact the blade.
- Never cut wood with loose knots or embedded with nails or other foreign material on its surface.
- Do not attempt to cut twisted, warped, bowed or "in wind" stock unless one edge has been jointed prior to sawing.
- Do not attempt to cut long or wide boards unsupported where spring or weight could cause the board to shift position.
- Always use the riving knife, blade guard, push stick, and other safety devices whenever possible. For applications such as dadoing or molding where the blade guard cannot be used, use feather boards, fixtures, and other safety devices and use extreme caution. Reinstall the riving knife and blade guard immediately after completing the operation that required their removal.
- Check that the blade rotates clockwise when viewed from the left side of the machine
- Never leave the machine unattended while it is running or with the power on.
- Never stand on machinery. Serious injury could result if the tool is tipped over or if the cutting tool is unintentionally contacted.
- Always disconnect the machine from the power source before servicing or changing accessories such as blades, or before performing any maintenance or cleaning, or if the machine will be left unattended.
- Ensure the switch is in the OFF position before plugging in the power cord.
- Make sure the tool is properly grounded. If equipped with a three-prong plug it should be used with a three-pole receptacle. Never remove the third prong.
- Do not use this machine for anything other than its intended use. If used for other purposes, KMS Tools and Equipment disclaims any real or implied warranty and holds itself harmless for any injury that may result from that use.

SPECIFICATIONS
MAGNUM INDUSTRIAL MI-51180 TABLE SAW

Model:	MI-51180
Motor:	1.75 HP, 115 / 230 V, 1 Phase
Blade diameter:	10"
Arbor:	5/8"
Arbor speed:	4,200 rpm
Maximum cutting depth:	3-1/8" (79 mm)
Maximum cutting depth at 45 degrees:	2-1/8" (54 mm)
Length of table in front of blade at maximum cut:	10"
Maximum dado width:	13/16" (20.6 mm)
Maximum dado diameter:	8" (200 mm)
Table height:	34" (862 mm)
Table size:	27" x 20.16" (686 mm x 512 mm)
Table size with extension:	27" x 40.16" (686 mm x 1020 mm)
Net weight:	313 lbs (142 kgs)

UNPACKING THE BOX
MAGNUM INDUSTRIAL MI-51180 TABLE SAW

WARNING

Do not connect the saw to a power source until it has been fully assembled.

WARNING

This table saw is heavy. To move the saw, use a hoist with a minimum capacity of 313 lbs (142 kg) or the assistance of another person.

Unpacking

Remove the box and all the wood crating from around saw. Check for shipping damage. Report any damage immediately to your distributor and shipping agent. Do not discard any shipping material until the table saw is assembled and running property.

Compare the contents of your container with the parts list to make sure everything is accounted for. If you are missing parts, contact your sales representative.

1. Read the instruction manual thoroughly for assembly, maintenance and safety instructions
2. Unbolt the saw from the skid
3. Carefully slide the saw from the pallet onto the floor
4. Place the table saw in an area with a sturdy, level floor; good ventilation; and sufficient lighting. Leave enough space around the machine for mounting extension wings and rail assemblies; loading and off-loading stock; and general maintenance work.

Cleaning

The factory has applied a protective coating to this saw's exposed metal surfaces, such as the table top and extension wings.

Remove this coating with a soft cloth moistened with kerosene. Do not use acetone, gasoline, or lacquer thinner. Do not use solvents on plastic parts, and do not use an abrasive pad.

Contents

The box includes the following:

- Table saw
- Switch
- Table insert
- Two extension wings
- Router table extension
- Riving knife/ blade guard assembly
- Mitre gauge
- Two large hooks
- Lock knob
- Handwheel
- Swivel handle
- Arbor wrench
- Push stick
- Owners manual

WARNING
Do not connect the saw to a power source until it has been fully assembled.

Assembling Motor Access Door

- See Figures 1 and 2.
- Tools: 17 mm wrench

The saw is shipped with a bracket (A) that secures the motor during transportation.

1. Using a 17 mm wrench, remove the shipping bracket (A)
2. Remove the remaining hex cap screws, lock washers and flat washers (B) in the table edge.
3. Install motor access door (C) by aligning the pins on the door with the brackets (D) on the cabinet.
4. To secure the access door, pull the latch (E), close the door and release the latch.

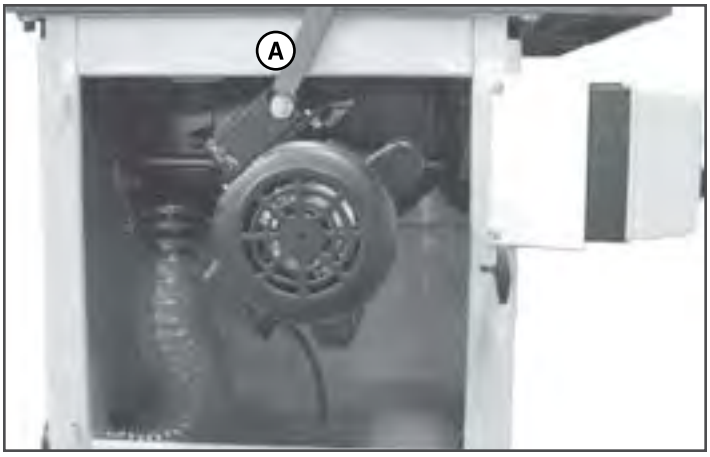


FIGURE 1: MOTOR SHIPPING BRACKET

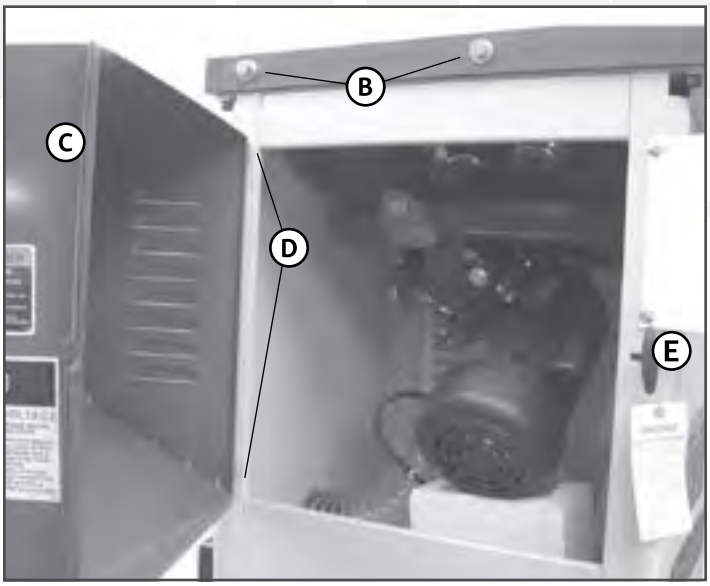


FIGURE 2: MOTOR ACCESS DOOR

Installing the Side Handwheel

The front handwheel is pre-installed at the factory. The side handwheel and lock knob, however, must be installed after unpacking the saw.

1. Align the keyway on the handwheel with the keyway on the shaft; then install the handwheel onto the shaft.
2. Tighten the set screw to secure the handwheel
3. Install the lock knob by carefully threading it into the shaft, turning it in a clockwise direction.

Fence Storage Hooks

- Tools: 5 mm hex wrench

Two hooks are included for mounting the rip fence when it's not in use.

1. Mount the hooks to the cabinet with 1/4" x 5/8" socket head cap screws, lock washers and flat washers.

WARNING

Do not connect the saw to a power source until it has been fully assembled.

Extension Wing Installation

- See Figures 3 and 4.
- Tools: 17 mm wrench, straightedge

HARDWARE

6 x 7/16" x 1-1/2" hex cap bolts (E)

6 x 7/16" lock washers (F)

6 x 7/16" flat washers (G)

2 x extension tables

Installing the Extension Wings

1. Using a 17 mm wrench, attach the left extension wing (A) to the table (B) with three each hex cap screws (E), lock washers (F), and flat washers (G). Leave it snug enough so the extension wing can still be manually adjusted but do not tighten.
2. Adjust the extension wing horizontally so the front edge is flush with the front edge of the table (C)
3. Using a straightedge for reference, adjust the extension vertically so the top of the extension is flush with the table top.
4. Tighten the three extension wing mounting screws.
5. Remove the mounting hardware from the table on the right side.
6. Install the right extension wing by repeating steps 1–4.

FIGURE 3: EXTENSION WING ASSEMBLY

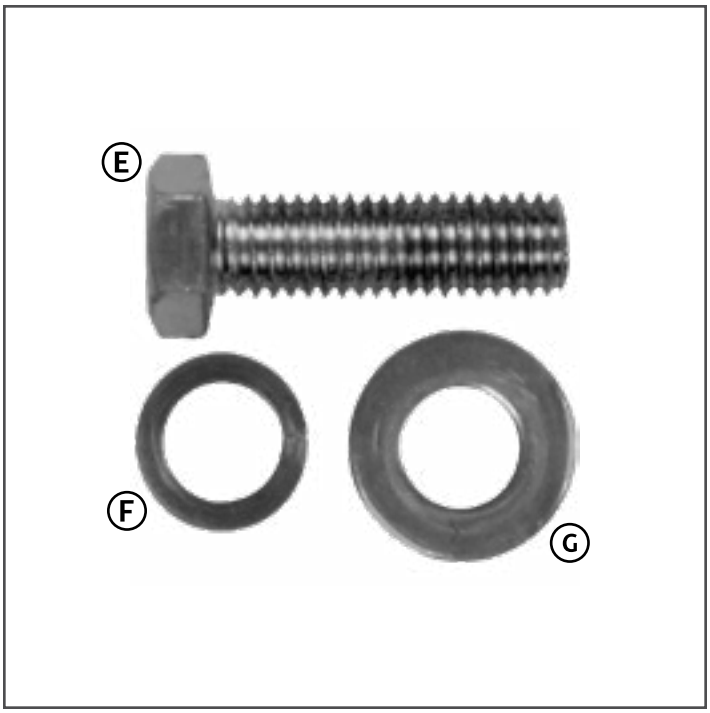


FIGURE 4: EXTENSION WING HARDWARE

CAUTION
Use care when working with or near sharp blades.

Installing and Replacing Blades

- See Figure 5.
- Tools: 27 mm wrench

Installing a Blade

1. Disconnect machine from power source
2. Turning the front handwheel, raise the blade all the way up.
3. Turning the side handwheel, set the blade tilt to 0 degrees.
4. Remove the table insert.
5. Rotate the arbor to line up the slot (C) with the arbor lock (D)
6. Press the arbor lock (D) in the direction shown by the arrow to engage it into the slot (C) in the arbor. At the same time loosen and remove the arbor nut (A) with a 27 mm wrench.
7. Remove the collar (B).
8. Install the blade, making sure the teeth at the top of the blade point toward the front of the saw.
9. Replace the collar (B) and arbor nut (A).
10. Engage the arbor lock (D) and tighten the nut (A) with a 27 mm wrench
11. Lower the blade below the table.

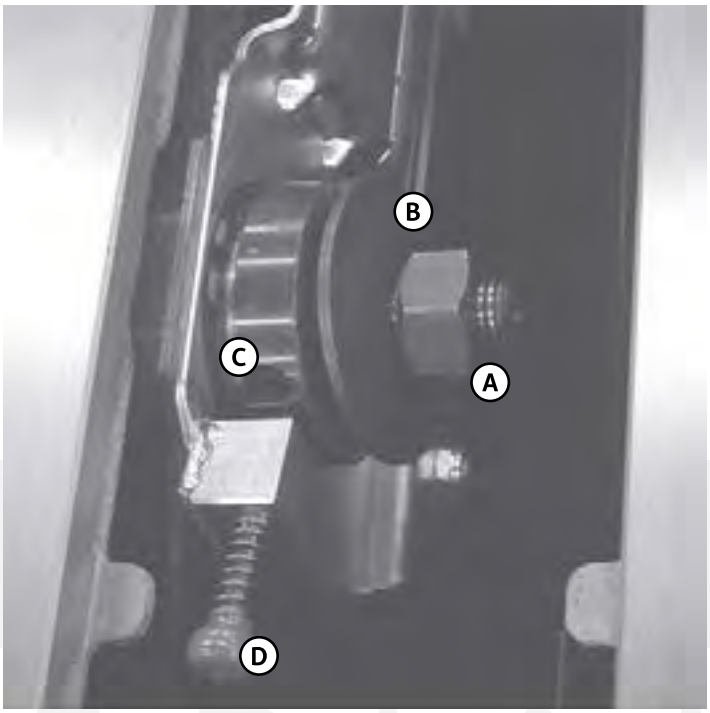


FIGURE 5: BLADE ARBOR ASSEMBLY

NOTE
Blade guard and riving knife assembly may not be exactly as shown

Installing Riving Knife and Blade Guard

- See Figures 6 and 7.

1. Set the saw blade to the 0 degrees and raise it to full height.

1. Remove the table insert (B).

2. Unlock the quick-release clamp (D). See inset of Figure 5. The quick-release clamp (D) is located inside the table and can be accessed through the insert opening.

3. Once the quick-release clamp is open, the spring-loaded floating clamp block (E) will move away from the fixed block (F), leaving a gap.

4. Insert the bottom of the riving knife (C) all the way into the gap between the clamp blocks (E and F). Then lock the quick-release clamp (D).

5. Replace the table insert (B). The saw blade and riving knife should protrude through the slot in the insert.

Each piece should snap as it locks in position. Raise and lower the lift to test that the riving knife and blade guard assembly is secure.

Adjusting the Blade Guard and Riving Knife

The clamping blocks (E and F) are adjusted at the factory and no further adjustment of the blade guard and riving knife assembly should be necessary. However, proper alignment is very important.

Before operating the table saw, read Riving Knife Adjustment (Page 12) and check and adjust the riving knife if necessary.

NOTE
Please use the correct thickness of riving knife to fit your blade

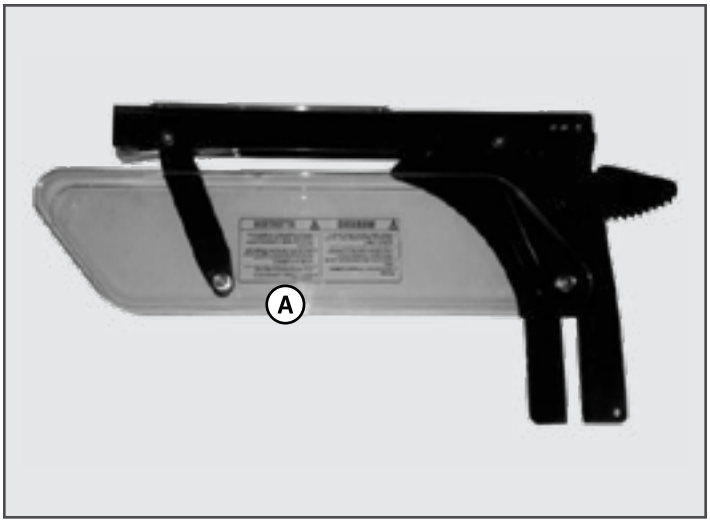


FIGURE 6: BLADE GUARD/RIVING KNIFE ASSEMBLY

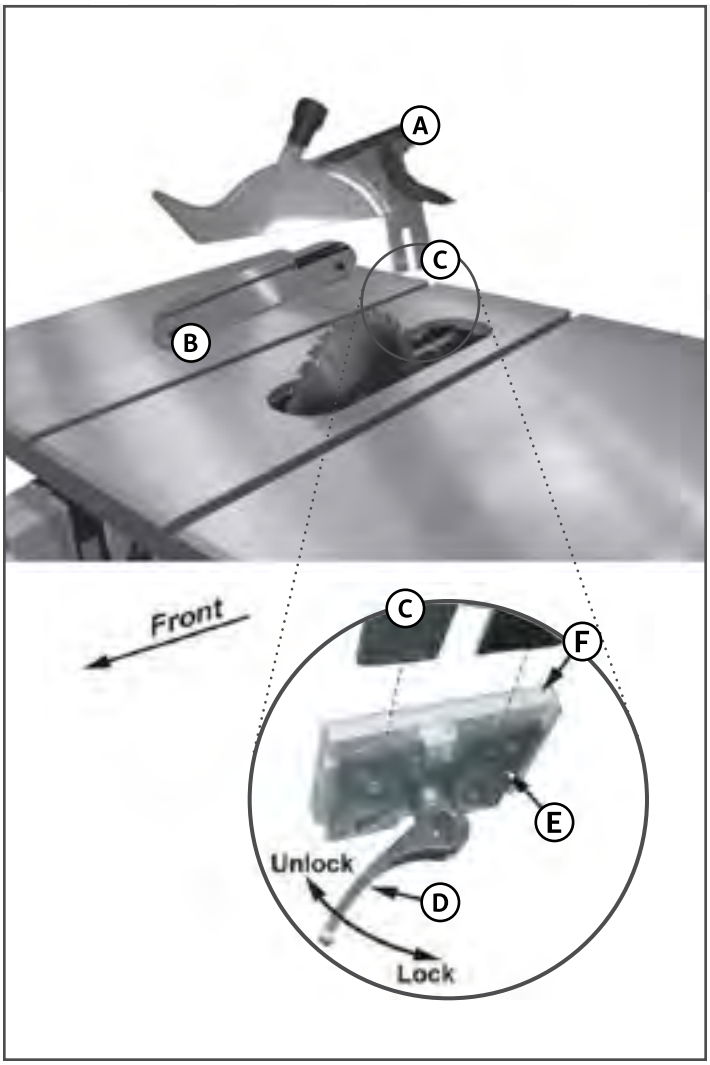


FIGURE 7: INSTALLING THE BLADE GUARD/RIVING KNIFE

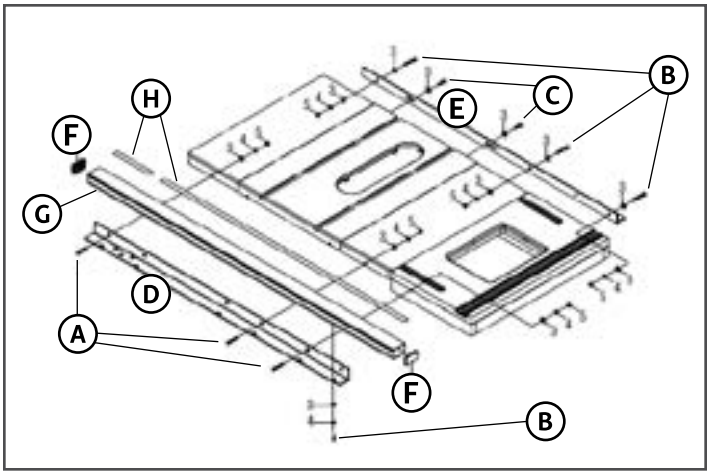


FIGURE 8: RIP FENCE RAIL SCHEMATIC

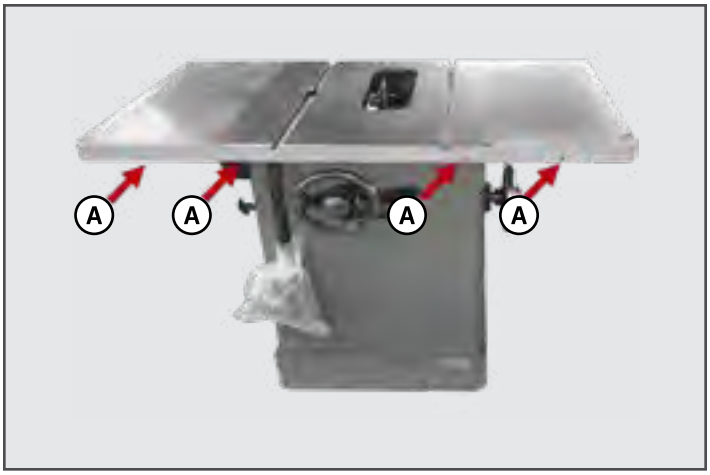


FIGURE 9: RAIL INSTALLATION LOCATIONS

Installing the Rip Fence and Rails

With the extension wings properly aligned, mount the rail and fence assembly to the saw.

The bag containing the rail mounting hardware is stored inside the guide rail. Remove the end cap (F) to access.

Attach the front rail (D):

1. Install four 1/4" x 1-1/2" flat head screws (A) into the predrilled holes on the front of the saw. See Figures 6 and 7.
2. On the inside of the table, thread one 1/4" flat washer (3), lock washer (4) and hex nut (5) on each flat head screw.

Attach the router table extension:

1. Install two 1/4" x 1-1/2" flat head screws (A) into the predrilled holes on the router table extension. See Figure 8.
2. Install one 1/4" flat washer (3), lock washer (4) and hex nut (5) on each flat head screw. See Figure 11.

Attach the rear rail (E):

1. Install three 1/4" x 1-1/2" hex cap screws (B) with washers into the predrilled holes on the rear of the saw. See Figure 9.
2. Install three 1/4" x 3/4" hex cap screws (C) with flat washers into the pre-drilled holes.
3. On the inside of the table, install one 1/4" flat washer (3), lock washer (4) and hex nut (5) on each flat head screw.
4. Bolt the fence guide (G) onto the rail using 1/4" x 3/4" hex cap screws with flat washers and lock washers. Install through the rail from below See Figure 8.
5. Affix the scales (H) to front rail.

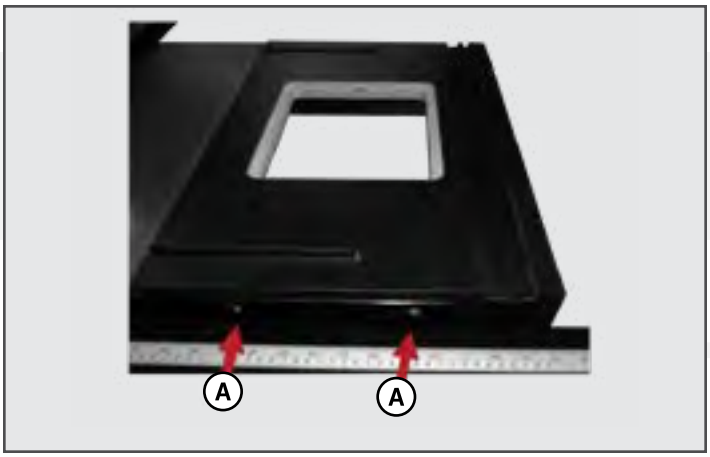


FIGURE 10: RAIL INSTALLATION LOCATIONS

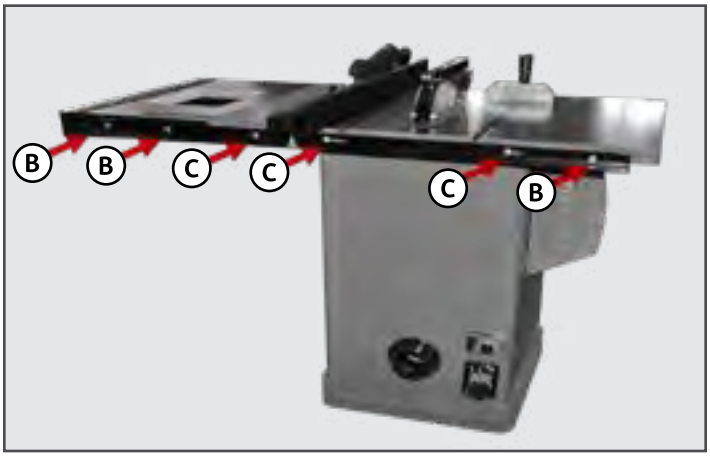


FIGURE 11: RAIL INSTALLATION LOCATIONS

USING THE ON/OFF SWITCH
MAGNUM INDUSTRIAL MI-51180 TABLE SAW

PLEASE NOTE

The On/Off switch is thermally protected. When an overload or power interruption occurs, the switch turns off. If this happens, wait a few minutes for the saw to cool down then press the Off switch to reset the saw.

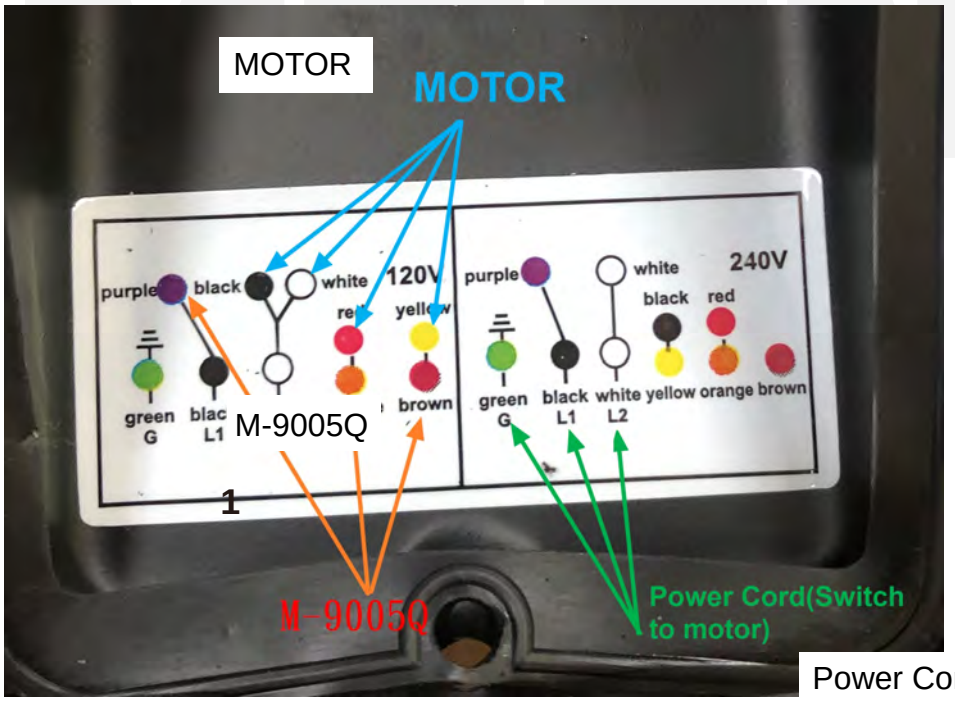
WARNING

Check that your supply is sufficient for this machine's motor. If you are unsure, contact a qualified electrician for assistance.

This machine must be properly grounded. Do not change or modify the plug. If the supplied plug does not fit your outlet, contact a qualified electrician for assistance.

Electrical Cord (not included)

Machine comes pre wired 115 volt, use 12 gauge cord with 30 ft max distance to power source, any longer distance may result in loss of power or motor over heating. Machine features a dual voltage motor that can be run on 220 volt if more torque is required by following the wiring diagram on the back of the motor cover, you must use a 200 volt plug end to match your 220 volt power source. This should be done by a qualified electrician.



Power Cord
(Switch to motor)

WARNING

Always turn OFF the power switch and unplug the machine before making any adjustments.

Raising and Lowering the Blade

The front handwheel (A) raises and lowers the blade. The side handwheel (B) controls the blade tilt. The blade tilts to the left from 90 to 45 degrees. See Figure 12.

Adjusting Blade Height

1. Loosen the lock knob (C) on the front handwheel (A).
2. Turn the handwheel (A) clockwise to raise and counterclockwise to lower the blade
3. Tighten the lock knob to secure the blade position (C)

Adjusting Blade Tilt

1. Loosen the lock knob (D) on the side handwheel (B).
2. Turn the handwheel (B) counterclockwise to adjust the saw blade to 45°. Turn clockwise to adjust the saw blade to a maximum of 90 degrees.
3. Tighten the lock knob (D) to secure the blade position.

Adjusting Table Insert

Adjust the set screws in the insert (E) with a 3 mm hex wrench to ensure that the insert is stable and flush with the table top. Check the alignment with a straightedge (F). See Figure 13.

Adjusting Mitre Gauge

- Refer to Figure 14
- Tools: 3 mm hex wrench, straightedge

Set the mitre gauge by loosening the lock knob (G) and turning the mitre body (H) to the desired angle. To move gauge beyond index stops of 45 and 90, flip down the stop (I). Adjust index stops by turning one of three adjustment screws (J).

NOTE: Always make test cuts. Do not rely solely on the mitre gauge. The gauge is equipped with holes for mounting a wooden extension fence.

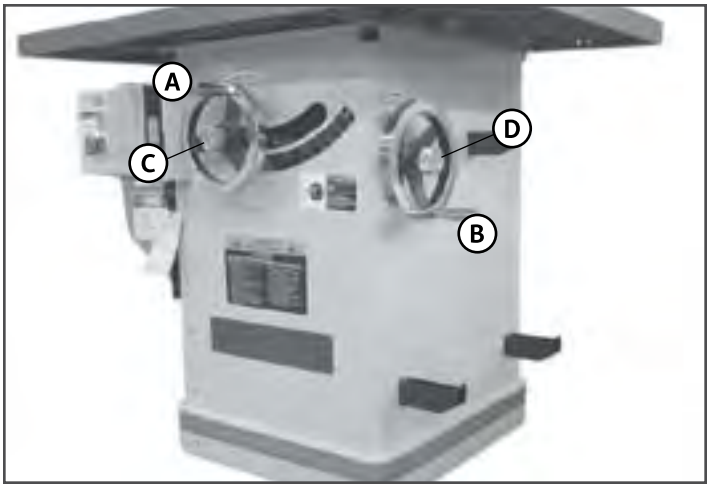


FIGURE 12: RAISING and LOWERING BLADE

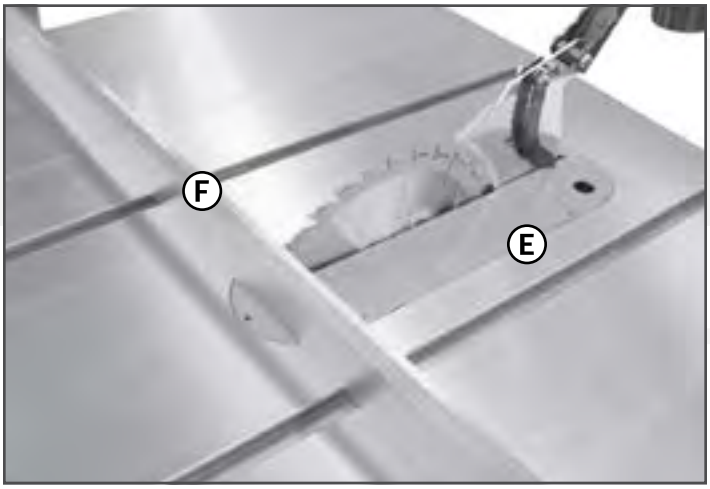


FIGURE 13: ADJUSTING TABLE INSERT

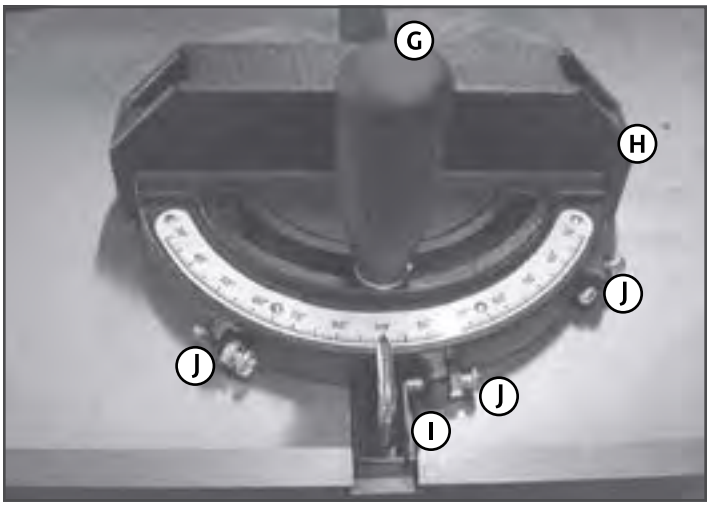


FIGURE 14: ADJUSTING MITRE GAUGE

WARNING
Always turn OFF the power switch and unplug the machine before making any adjustments.

Adjusting Riving Knife

Lateral Alignment

To help prevent kickback, ensure the blade and riving knife are aligned. Check and adjust the alignment after each blade change.

Checking Alignment

1. Lift the blade guard and pawl.
2. Place a straightedge (A) on the table so it rests against the blade (B) and riving knife (C). See Figure 15.
3. Rotate the blade so the top of one tooth touches the straightedge.

Adjusting Alignment

1. Remove the table insert.
2. Loosen the lock handle (D) and remove the riving knife. Note the direction the riving knife needs to move to align with the blade.
3. Using a 3 mm hex wrench, adjust the four set screws (E), which are accessible through openings located in the corners of the floating clamp block (F). See Figure 17.
4. If necessary, repeat the above procedure.

Adjusting the Blade-to-Knife Gap

- Tools: 4 mm hex wrench

To limit kickback, the gap between the blade and riving knife should be between 3 mm and 8 mm. If adjustment is needed, note whether the blade-to-knife gap needs to be increased or decreased. Then adjust as follows:

1. Remove the blade guard, pawl, table insert and riving knife.
2. Loosen two socket head flat screws (G) with a 4 mm hex wrench. See Figure 17.
3. Reposition the fixed clamp block (H) on the extension plate (I). Ensure the gap is between 3 mm and 8 mm. See Figure 18.
4. Tighten the socket head screws (G).
5. Reinstall the riving knife, tighten the lock handle and check the gap.

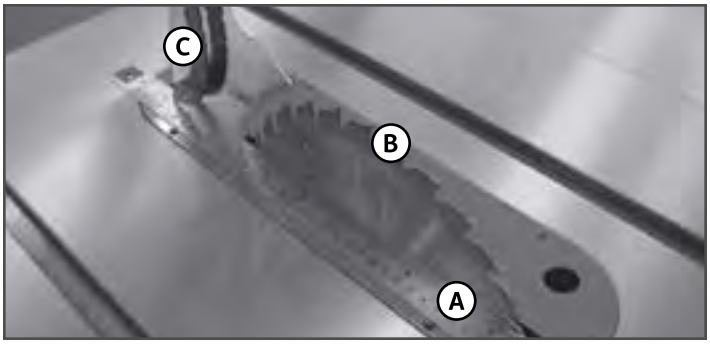


FIGURE 15: ADJUSTING RIVING KNIFE

FIGURE 16: ADJUSTING RIVING KNIFE

Two screws (G), accessible through openings on the floating clamp block (F), located on either side of the lock handle (D), secure the fixed clamp block (H) to the riving knife extension plate (I). Also see Figure 16.

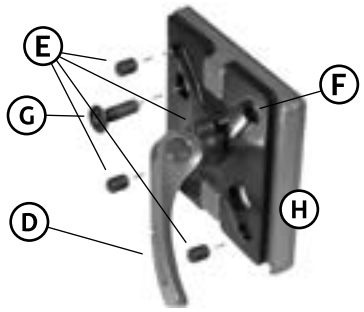


FIGURE 17: ADJUSTING RIVING KNIFE

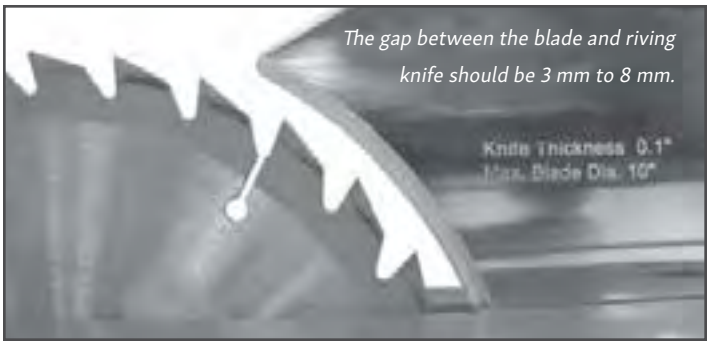


FIGURE 18: ADJUSTING RIVING KNIFE

WARNING

Always turn OFF the power switch and unplug the machine before making any adjustments.

Blade Alignment

- See Figures 19 and 20.
- Tools: 8 mm hex wrench, combination square, marker

At the factory, the blade is aligned with the table. However, after a period of use or after moving the saw to another location, the blade may need to be realigned.

Checking Blade-Table Alignment

1. Disconnect the saw from the power source.
2. Raise the blade guard away from the blade.
3. Choose a tooth on the far side of the blade, near the rear, and position the tooth slightly above the insert.
4. Mark the tooth and measure the distance from the side of the blade to the right T-slot edge using a combination square. Choose a spot between the teeth, not on the tooth itself.
5. Rotate the blade so that the marked tooth is just above the insert at the front of the saw. Measure the distance from the side of the blade to the right T-slot edge. The two measurements should be the same.

Adjusting Blade-Table Alignment

If the measurements are not the same, adjust the table.

1. Loosen the four hex socket cap screws (A) that hold the table to the base. See Figure 20, which shows the two socket cap screws at the front of the saw.
2. Once the screws are loose, reposition the table and firmly tighten the four hex socket cap screws.
3. Check the alignment again after tightening hardware.

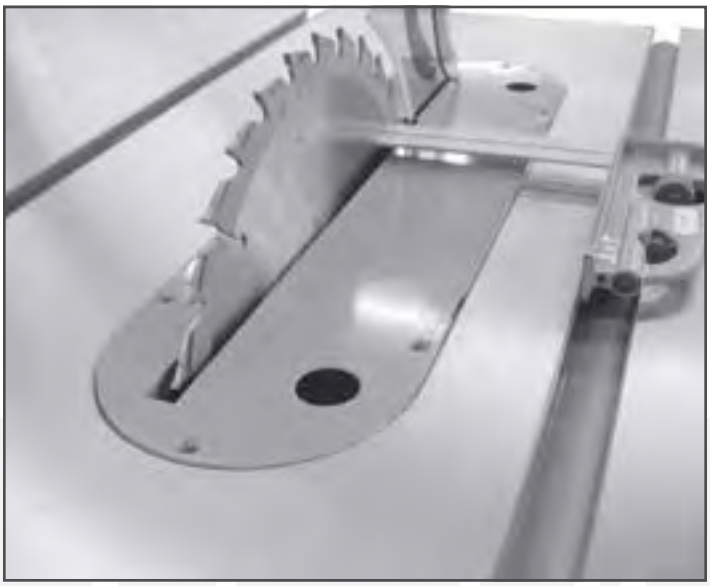


FIGURE 19: ALIGNING THE BLADE

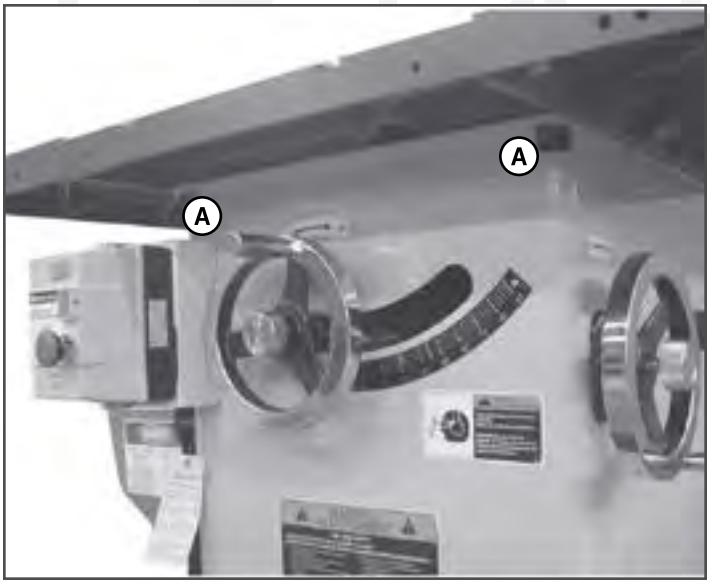


FIGURE 20: TABLE ADJUSTMENT SCREWS

WARNING

Always turn OFF the power switch and unplug the machine before making any adjustments.

Changing the Belt

- See Figure 21
- Tools: 17 mm wrench

Inspect the drive belt on a regular basis. When the V-belt begins to show signs of wear, such as fraying or cracking, or if it slips under load, replace the belt.

1. Turn the power switch to Off and unplug the machine from the power source.
2. Lower the blade to its lowest point.
3. Loosen the two hex cap bolts (A) on the motor bracket.
4. Take the tension off the V-belt (B) by lifting the motor.
5. Remove the belt from the arbor and motor pulleys.
6. Install the new belt. The weight of the motor should apply enough tension to the belt so it doesn't slip. Tighten the hex cap bolts (A).
7. After you've used the saw for a few hours, check the belt tension and adjust if necessary.

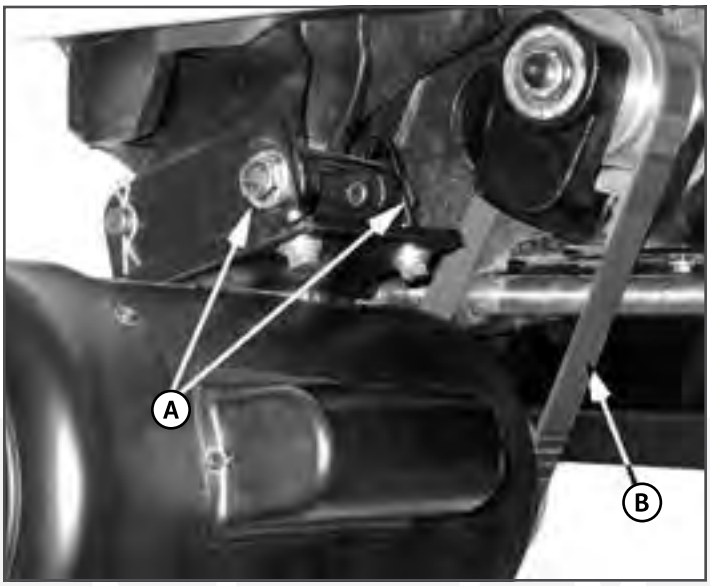


FIGURE 21: CHANGING THE BELT

WARNING

Always turn OFF the power switch and unplug the machine before making performing maintenance.

Maintenance Schedule

Assuming the saw is used daily, follow this schedule for cleaning and maintenance.

Daily Maintenance

- Wipe down the table surface and grooves with a rust preventive product
- Clean pitch and resin from the saw blade.

Weekly Maintenance

- Apply a coat of paste wax OR white talcum powder (which doesn't stain wood or mar finishes) to the table top. If using talcum powder, rub it in vigorously with a blackboard eraser. This will fill casting pores and form a moisture barrier. This also ensures the table top stays slick and allows rust rings to be easily wiped from the surface.
- Clean motor housing with compressed air.
- Wipe down the fence rails and apply a dry silicone lubricant.
- Check condition of the blade and blade guard, power switch and all mounting bolts.

Periodic Maintenance

- Clean the inside of the cabinet and trunnion area
- Check for excessive play in the tilting and raising mechanism and in the saw arbor and re-adjust as required.
- Check for belt tension and wear. Adjust or replace the belt as required.

Lubricating the Saw

Grease the tilting worm gear, raising worm gear, caster system worm gear, and the trunnion areas with high-grade non-hardening grease. Check all adjustments after lubricating.

NOTES

TROUBLESHOOTING
MAGNUM INDUSTRIAL MI-51180 TABLE SAW

Issue	Possible Causes	Solutions
• Saw stops during use • Saw will not start	• Overload is tripped • Saw is unplugged • Fuse blown / Circuit breaker tripped • Cord is damaged	• Allow motor to cool and press Off switch to reset • Check all power connections • Replace fuse or reset circuit breaker • Replace cord
• Saw does not make accurate 45 or 90 degree cuts	• Stops are not adjusted correctly • Angle pointer is not set accurately • Mitre gauge is out of adjustment	• Check blade with square and adjust stops • Check blade with square and adjust pointer • Adjust mitre gauge
• Material binds blade when ripping	• Fence is not aligned with blade • Wood is warped • Feed rate is excessive • Splitter is not aligned with blade	• Check and adjust fence • Select a different workpiece • Reduce feed rate • Align splitter with blade
• Saw makes unsatisfactory cuts	• Blade is dull • Blade is mounted backwards • Gum or pitch on blade • Incorrect blade for cut • Gum or pitch on table	• Sharpen or replace blade • Turn blade around • Remove and clean blade • Change blade to suitable type • Clean table
• Blade does not come up to speed	• Extension cord is too light or too long • Power supply voltage is too low • Motor is not wired correctly	• Replace with adequate size cord • Contact a qualified electrician • Refer to motor junction box
• Saw vibrates excessively	• Stand is uneven on floor • Blade is damaged • V-belts are worn • Pulley is bent • Improper motor mounting • Hardware is loose	• Reposition on flat, level surface • Replace blade • Replace belt • Replace pulley • Check and adjust motor • Tighten hardware
• Rip fence binds on guide rails	• Guide rails or extension wing not installed correctly • Guide on rip fence not adjusted properly	• Reassemble guide rails • Adjust guides
• Material kicked back from blade	• Rip fence is out of alignment • Splitter is not aligned with blade • Rip fence is not installed • Splitter is not installed • Blade is dull • User is releasing material before it is passes blade • Anti-kick back plates are dull	• Align rip fence with mitre slot • Align splitter with blade • Install and use rip fence • Install and use splitter with guard • Replace blade • Push material through blade before releasing • Replace or sharpen anti-kickback plates
• Blade does not raise or tilt correctly	• Sawdust or debris in raising and tilting mechanisms	• Clean and regrease assemblies

MAGNUM INDUSTRIAL 5-YEAR LIMITED WARRANTY

Thank you for purchasing Magnum Industrial. Your new Magnum Industrial tool has been designed and manufactured to deliver high-quality performance and dependability over a long service life. Before leaving the factory, every Magnum Industrial product is tested and checked for quality.

5-YEAR LIMITED WARRANTY

Magnum Industrial woodworking and metalworking machinery is backed by a 5-year limited warranty. This warranty covers replacement parts against manufacturer's defect.

- This warranty does not cover parts that have been modified or damaged through misuse, lack of maintenance, negligence, accidents, natural disasters, inadequate dust collection or excessive production demands.
- This warranty does not cover consumable parts or parts that are subject to regular wear and tear during normal operation. Examples of wear and tear parts include drive belts, bearings and switches.
- This warranty does not cover parts damaged during shipping or transportation.

To make a warranty claim, the original purchaser must contact a Magnum Industrial representative and provide documented proof of purchase. Once the representative confirms that the damage has occurred due to manufacturer's defect, Magnum Industrial will ship a replacement part or parts prepaid to the original purchaser. The original purchaser may choose to install the replacement parts or transport the machinery to an authorized Magnum Industrial service centre for installation. Transportation costs are not covered by the warranty.

As determined on a case-by-case basis, parts may need to be inspected by an authorized Magnum Industrial representative before parts are eligible for warranty. In these cases, the original purchaser is responsible for transporting the parts to a representative or an authorized Magnum Industrial service centre.

LABOUR AND TRANSPORTATION COSTS

The original purchaser may choose to transport the machinery to an authorized Magnum Industrial service centre for warranty evaluation. Transportation costs and expenses related to moving machinery to and from carrier vehicles are not covered by the warranty.

Once the machinery has been evaluated by the authorized Magnum Industrial service centre, any parts damaged due to manufacturer's defect will be replaced and installed at no cost. Labour is covered by warranty only when completed by an authorized Magnum Industrial service centre. The warranty does not cover third-party repairs.

ORIGINAL PURCHASER OF THE PRODUCT

This warranty is non-transferable and applies to the original purchaser only. This warranty requires documented proof of purchase.

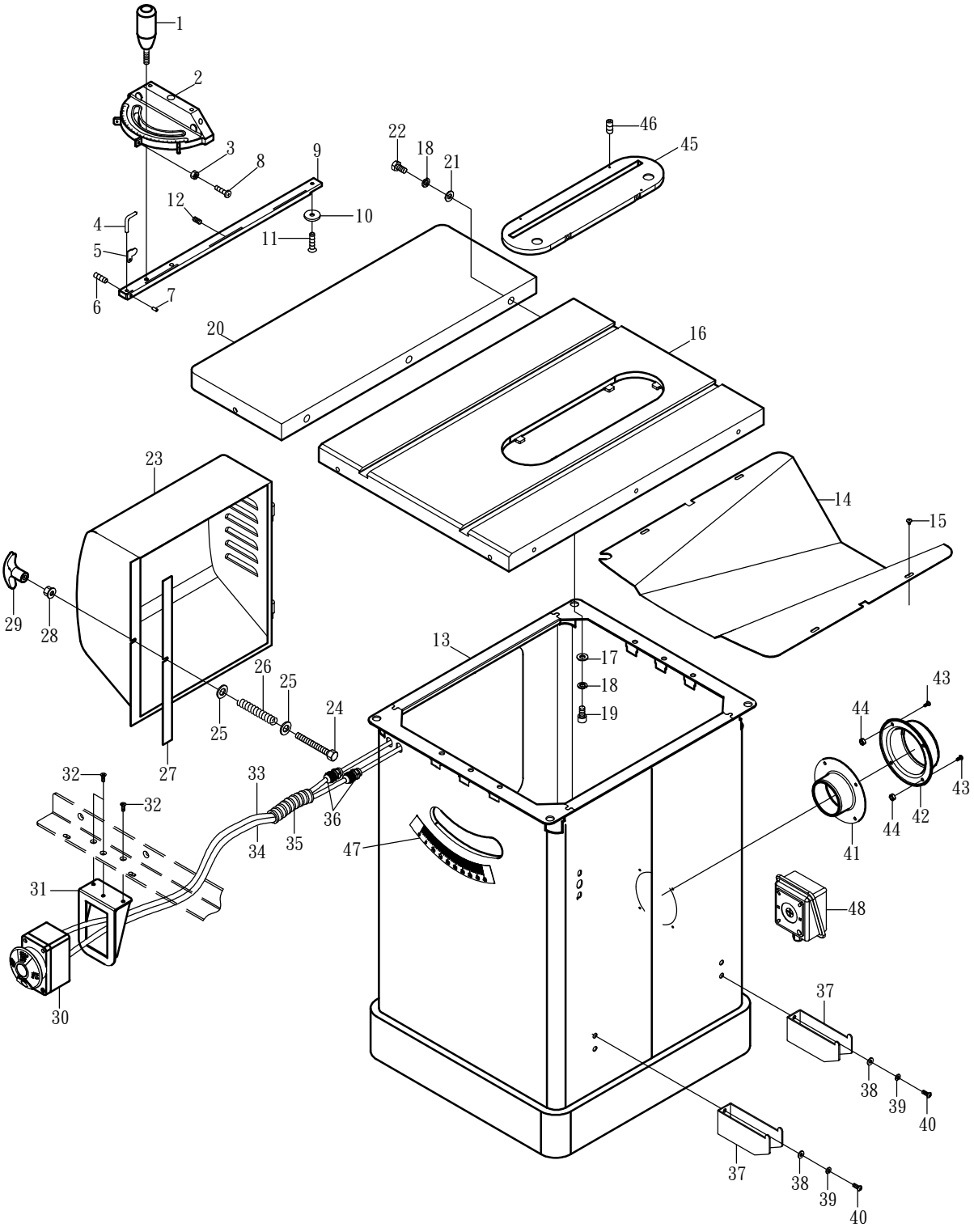
MANUAL

This manual is a guide for assembling and adjusting this product. It is not a woodworking or metalworking training manual. It is the end user's responsibility to understand how to safely set up, operate, and maintain woodworking and metalworking machinery. Because product specifications can change without notice, some details in this manual may not apply to the product you purchased.

DISCLAIMER

KMS Tools and Equipment and Magnum Industrial holds itself harmless for any injury or property damage that may result from the use of this product.

PARTS LIST FOR MI-51180
(Table and Cabinet Assembly)



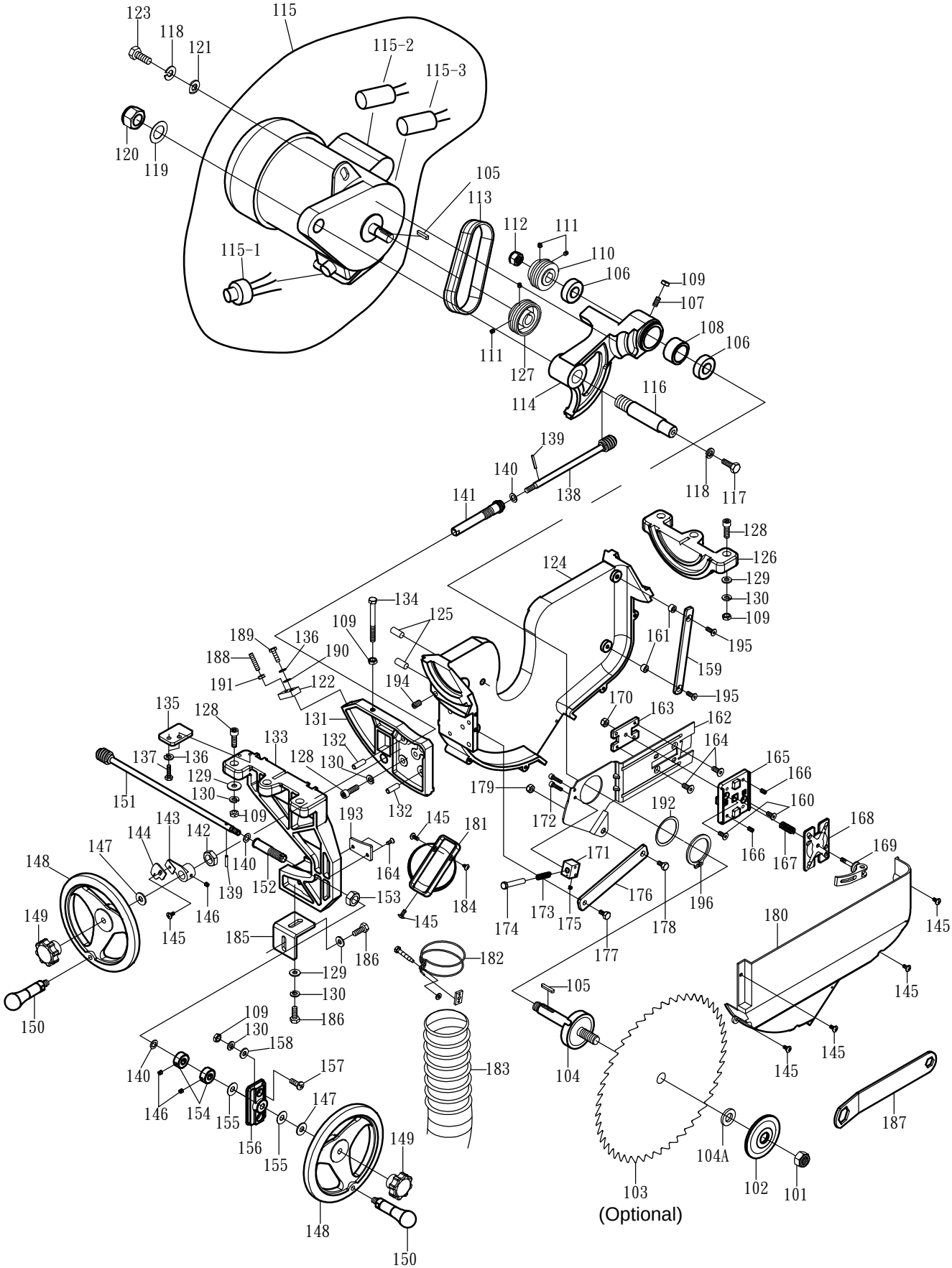
PARTS LIST FOR MI-51180
(Table and Cabinet Assembly)

IndexNo.	PartNo.	Description	Size	Qty.
1	MI-51180-T1	Handle	M8	1
2	MI-51180-T2	Miter Gauge Body		1
3	MI-51180-T3	Hex Nut	M5	3
4	MI-51180-T4	Pointer		1
5	MI-51180-T5	Stop Link		1
6	MI-51180-T6	Set Screw	M5X5	1
7	MI-51180-T7	Special Pin	M3X6	1
8	MI-51180-T8	Round Head Screw	M5X20	1
9	MI-51180-T9	Miter Bar		1
10	MI-51180-T10	Guide Washer		1
11	MI-51180-T11	Flat Head Machine Screw	M6X8	1
12	MI-51180-T12	Set Screw	3/16”X3/8”	3
13	MI-51180-T13	Cabinet		1
14	MI-51180-T14	Lower Panel		1
15	MI-51180-T15	Top Screw	M5X10	4
16	MI-51180-T16	Table		1
17	MI-51180-T17	Flat Washer	M10	4
18	MI-51180-T18	Lock Washer	M10	10
19	MI-51180-T19	Hex Socket Cap Screw	M10X25	4
20	MI-51180-T20	Extension Wing		2
21	MI-51180-T21	Flat Washer	M10	6
22	MI-51180-T22	Hex Cap Bolt	M10X35	6
23	MI-51180-T23	Motor Cover		1
24	MI-51180-T24	Hex Cap Bolt	M6X50	1
25	MI-51180-T25	Flat Washer	1/4”	2
26	MI-51180-T26	Spring		1
27	MI-51180-T27	Foam Strip		1
28	MI-51180-T28	Hex Nut	M6	1
29	MI-51180-T29	Handle		1
30	MI-51180-T30	ON/OFF Magnetic Switch		1
31	MI-51180-T31	Switch Plate		1
32	MI-51180-T32	Cross Flat Head Screw	M6X10	3
33	MI-51180-T33	Power Cord(Switch to motor)	14AWG×3C	1
34	MI-51180-T34	Power Cord	14AWG×3C	1
35	MI-51180-T35	Power Cord Sleeve		1

PARTS LIST FOR MI-51180
(Table and Cabinet Assembly)

IndexNo.	PartNo.	Description	Size	Qty.
36	MI-51180-T36	Cable Gland		5
37	MI-51180-T37	Hook		2
38	MI-51180-T38	Flat Washer	M6	4
39	MI-51180-T39	Lock Washer	1/4”	4
40	MI-51180-T40	Round Head Cap Socket Screw	M6X16	4
41	MI-51180-T41	Dust Hose Adapter	3”	1
42	MI-51180-T42	Dust Hose Adapter	4”	1
43	MI-51180-T43	Flat Head Cap Screw	M6X8	4
44	MI-51180-T44	Hex Nut	M6	4
45	MI-51180-T45	Table Insert		1
46	MI-51180-T46	Set Screw	1/4”X1/2”	6
47	MI-51180-T47	Tilt Scale		1
48	MI-51180-T48	Electrical Box		1

PARTS LIST FOR MI-51180
(Motor and Trunnion Assembly)



PARTS LIST FOR MI-51180
(Motor and Trunnion Assembly)

IndexNo.	PartNo.	Description	Size	Qty.
101	MI-51180-M101	Arbor Nut		1
102	MI-51180-M102	Arbor Flange		1
103	MI-51180-M103	Saw Blade (Optional)		1
104	MI-51180-M104	Arbor With Flange		1
105	MI-51180-M105	Key	M5X25	2
106	MI-51180-M106	Ball Bearing	6203ZZ	2
107	MI-51180-M107	Set Screw	M8X20	1
108	MI-51180-M108	Bearing Load Spacer		1
109	MI-51180-M109	Hex Nut	M8	10
110	MI-51180-M110	Arbor Pulley		1
111	MI-51180-M111	Set Screw	M6X8	4
112	MI-51180-M112	Nylon Nut	5/8”	1
113	MI-51180-M113	Poly V-Belt	PJ150	1
114	MI-51180-M114	Arbor Bracket		1
115	MI-51180-M115	Motor 1-3/4HP,1Ph,115/230V		1
115-1	MI-51180-M115-1	Thermal Circuit Breaker		1
115-2	MI-51180-M115-2	Starting Capacitor (300 MFD / 125 VAC)		1
115-3	MI-51180-M115-3	Running Capacitor (70 UF / 250 VAC)		1
116	MI-51180-M116	Shaft		1
117	MI-51180-M117	Round Head Cap Socket Screw	M10X20	1
118	MI-51180-M118	Lock Washer	M10	2
119	MI-51180-M119	Washer	M24	1
120	MI-51180-M120	Nylon Nut	M22	1
121	MI-51180-M121	Flat Washer	M10	1
122	MI-51180-M122	Guide Block		1
123	MI-51180-M123	Hex Cap Bolt	M10X20	1
124	MI-51180-M124	York		1
125	MI-51180-M125	Pin	10X40	2
126	MI-51180-M126	Rear Trunnion Bracket		1
127	MI-51180-M127	Motor Pulley		1
128	MI-51180-M128	Socket Head Cap Screw	M8X25	8
129	MI-51180-M129	Flat Washer	M8	8
130	MI-51180-M130	Lock Washer	M8	11
131	MI-51180-M131	Front Trunnion		1
132	MI-51180-M132	Lock Pin	8X28	3

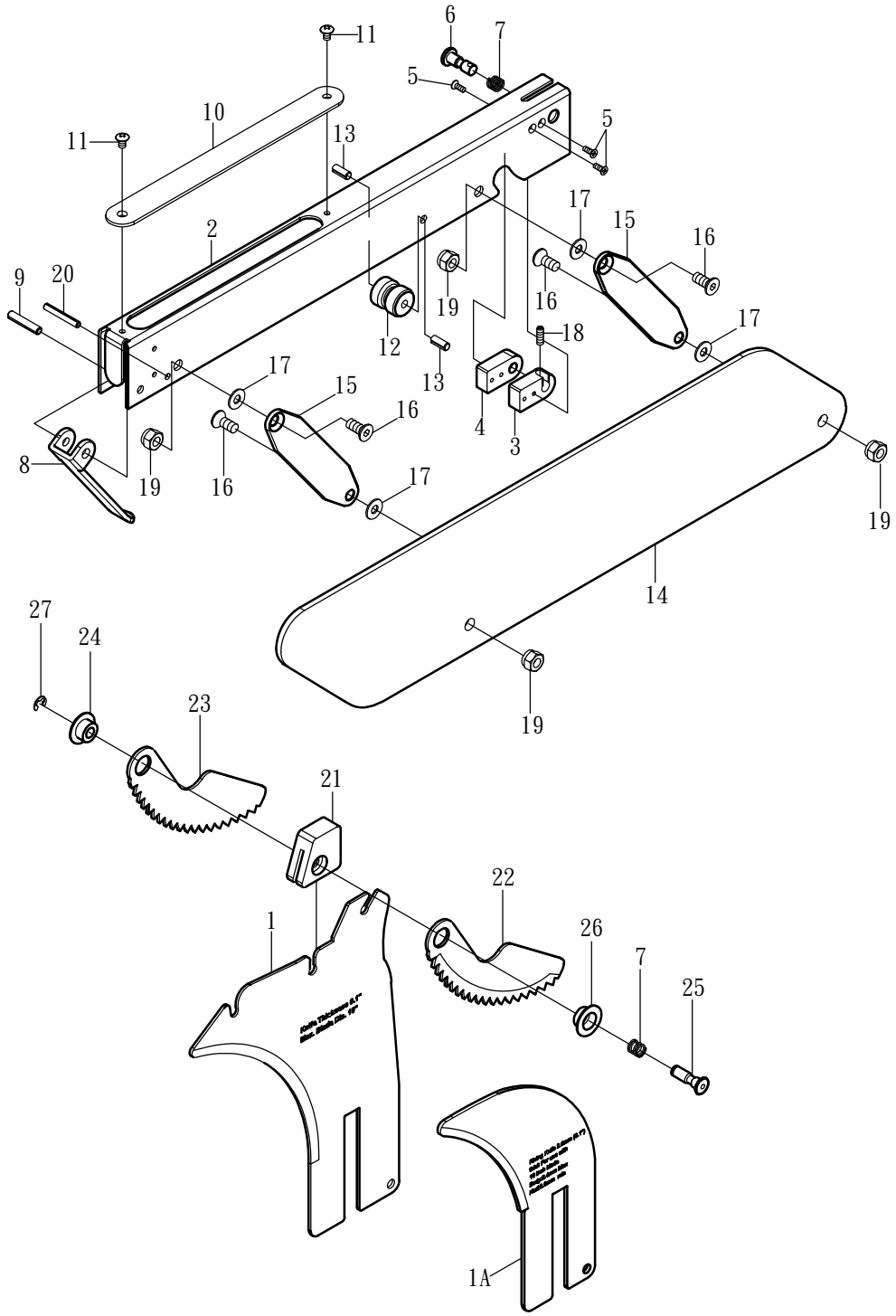
PARTS LIST FOR MI-51180
(Motor and Trunnion Assembly)

IndexNo.	PartNo.	Description	Size	Qty.
133	MI-51180-M133	Front Trunnion Bracket		1
134	MI-51180-M134	Hex Cap Bolt	M8X70	1
135	MI-51180-M135	Location Pad		1
136	MI-51180-M136	Lock Washer	M6X8	3
137	MI-51180-M137	Hex Cap Bolt	M6X25	2
138	MI-51180-M138	Tilt Shaft	3.5X25	1
139	MI-51180-M139	Lock Pin		2
140	MI-51180-M140	Fiber Washer		3
141	MI-51180-M141	Eccentric Bushing		1
142	MI-51180-M142	Hex Nut	M16	1
143	MI-51180-M143	Pointer Bracket		1
144	MI-51180-M144	Pointer		1
145	MI-51180-M145	Round Head Screw	M5X10	8
146	MI-51180-M146	Set Screw	M6X6	3
147	MI-51180-M147	Flat Washer	3/8”	2
148	MI-51180-M148	Hand Wheel		2
149	MI-51180-M149	Lock Knob		2
150	MI-51180-M150	Hand Wheel Handle		2
151	MI-51180-M151	Shaft		1
152	MI-51180-M152	Eccentric Bushing		1
153	MI-51180-M153	Hex Nut	M14	1
154	MI-51180-M154	Collar		2
155	MI-51180-M155	Fiber Washer		2
156	MI-51180-M156	Shield Plate		1
157	MI-51180-M157	Round Head Screw	M8X20	2
158	MI-51180-M158	Flat Washer	M8	2
159	MI-51180-M159	Guide Bracket		1
160	MI-51180-M160	Flat Head Socket Screw	M16X15	2
161	MI-51180-M161	Spacer		2
162	MI-51180-M162	Riving Knife Carrier Plate		1
163	MI-51180-M163	Plate		1
164	MI-51180-M164	Flat Head Socket Screw	M5X8	4
165	MI-51180-M165	Riving Knife Carrier		1
166	MI-51180-M166	Set Screw	M6X10	2

PARTS LIST FOR MI-51180
(Motor and Trunnion Assembly)

IndexNo.	PartNo.	Description	Size	Qty.
167	MI-51180-M167	Spring		1
168	MI-51180-M168	Pressure Plate		1
169	MI-51180-M169	Crank Handle		1
170	MI-51180-M170	Nylon Nut	M6	1
171	MI-51180-M171	Lock Pin Base		1
172	MI-51180-M172	Socket Head Cap Screw	M5X20	2
173	MI-51180-M173	Spring		1
174	MI-51180-M174	Lock Pin		1
175	MI-51180-M175	Set Screw	M6X6	1
176	MI-51180-M176	Pilot Link Plate		1
177	MI-51180-M177	Special Screw		1
178	MI-51180-M178	Special Screw		1
179	MI-51180-M179	Nylon Nut	3/8”	1
180	MI-51180-M180	Dust Deflector		1
181	MI-51180-M181	Dust Port		1
182	MI-51180-M182	Hose Clamp		1
183	MI-51180-M183	Air Hose	3 Inch	1
184	MI-51180-M184	Round Head Tap Screw	M5X10	1
185	MI-51180-M185	Front Trunnion Bracket Block		1
186	MI-51180-M186	Hex Cap Bolt	M8X20	2
187	MI-51180-M187	Wrench		1
188	MI-51180-M188	Set Screw	M6X35	1
189	MI-51180-M189	Hex Cap Bolt	M6X20	1
190	MI-51180-M190	Flat Washer	M6	2
191	MI-51180-M191	Hex Nut	M6	2
192	MI-51180-M192	Spring Shim Ring		1
193	MI-51180-M193	Guide Plate		1
194	MI-51180-M194	Set Screw	M8X15	1
195	MI-51180-M195	Flat Head Socket Screw	M6X25	2
196	MI-51180-M196	Snap Ring	S52	1

PARTS LIST FOR MI-51180
(Blade Guard Assembly)



PARTS LIST FOR MI-51180
(Blade Guard Assembly)

IndexNo.	PartNo.	Description	Size	Qty.
1	MI-51180-B1	Riving Knife	2MM	1
1A	MI-51180-B1.1	Riving Knife	2MM	1
2	MI-51180-B2	Blade Guard Body	M3x12	1
3	MI-51180-B3	Bushing (L)		1
4	MI-51180-B4	Bushing (R)		1
5	MI-51180-B5	Flat Head Screw	M3X10	4
6	MI-51180-B6	Lock Pin		1
7	MI-51180-B7	Spring		2
8	MI-51180-B8	Front Shield		1
9	MI-51180-B9	Roll Pin	M5X25	1
10	MI-51180-B10	Top Sight Shield		1
11	MI-51180-B11	Round Head Screw	M4x8	2
12	MI-51180-B12	Bushing		1
13	MI-51180-B13	Roll Pin	M5×8	2
14	MI-51180-B14	Blade Guard Side Shield		2
15	MI-51180-B15	Linking Plate		4
16	MI-51180-B16	Flat Head Socket Screw	M6X16	8
17	MI-51180-B17	Flat Washer	M6	8
18	MI-51180-B18	Set Screw	M4X10	1
19	MI-51180-B19	Nylon Insert Lock Nut	M6	8
20	MI-51180-B20	Roll Pin	M4X30	1
21	MI-51180-B21	Pawl Base		1
22	MI-51180-B22	Anti-Kickback Paw (R)		1
23	MI-51180-B23	Anti-Kickback Pawl (L)		1
24	MI-51180-B24	Flange (L)		1
25	MI-51180-B25	Lock Pin		1
26	MI-51180-B26	Flange (R)		1
27	MI-51180-B27	E-Clip	E5	1

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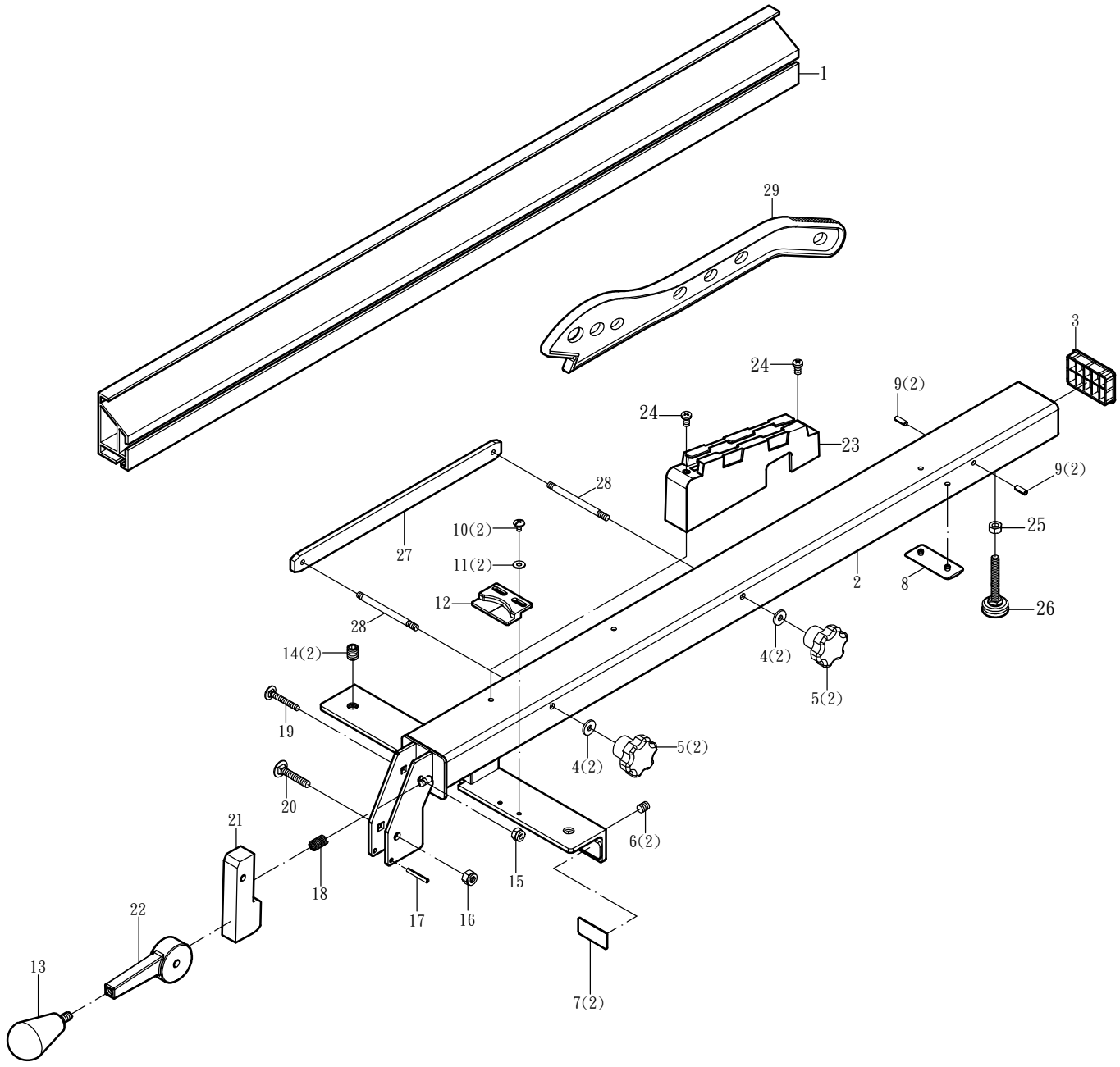
PARTS LIST FOR MI-51180
(Fence Assembly)



PARTS LIST FOR MI-51180
(Fence Assembly)

IndexNo.	PartNo.	Description	Size	Qty.
1	MI-51180-F1	Stop Profile		1
2	MI-51180-F2	Fence Body Assembly		1
3	MI-51180-F3	Tube Cap		1
4	MI-51180-F4	Rubber Washer	M6	2
5	MI-51180-F5	Lock Knob	M6	2
6	MI-51180-F6	Socket Set Screw	3/8”X3/8”	2
7	MI-51180-F7	Fluor way Pad		2
8	MI-51180-F8	Pad		1
9	MI-51180-F9	Spring Pin	5X12	2
10	MI-51180-F10	Pan Head Machine Screw	M5X8	2
11	MI-51180-F11	Flat Washer	M5	2
12	MI-51180-F12	Cursor		1
13	MI-51180-F13	Knob w/stud	3/8”X5/8”	1
14	MI-51180-F14	Nylon Adjustment Screw		2
15	MI-51180-F15	Lock Nut	1/4”	1
16	MI-51180-F16	Lock Nut	5/16”	1
17	MI-51180-F17	Spring Pin	4X28	1
18	MI-51180-F18	Compression Spring		1
19	MI-51180-F19	Carriage Bolt	1/4”X1/1/2”	1
20	MI-51180-F20	Carriage Bolt	5/16”X1-1/2”	1
21	MI-51180-F21	Foot Cam		1
22	MI-51180-F22	Lock Cam		1
23	MI-51180-F23	Push Stick Base		1
24	MI-51180-F24	Round Head Screw	1/4”X1/2”	2
25	MI-51180-F25	Hex Nut	5/16”	1
26	MI-51180-F26	Foot	5/17”X2"	1
27	MI-51180-F27	Lock Bar		1
28	MI-51180-F28	Screw		2
29	MI-51180-F29	Push Stick		1

MAGNUM
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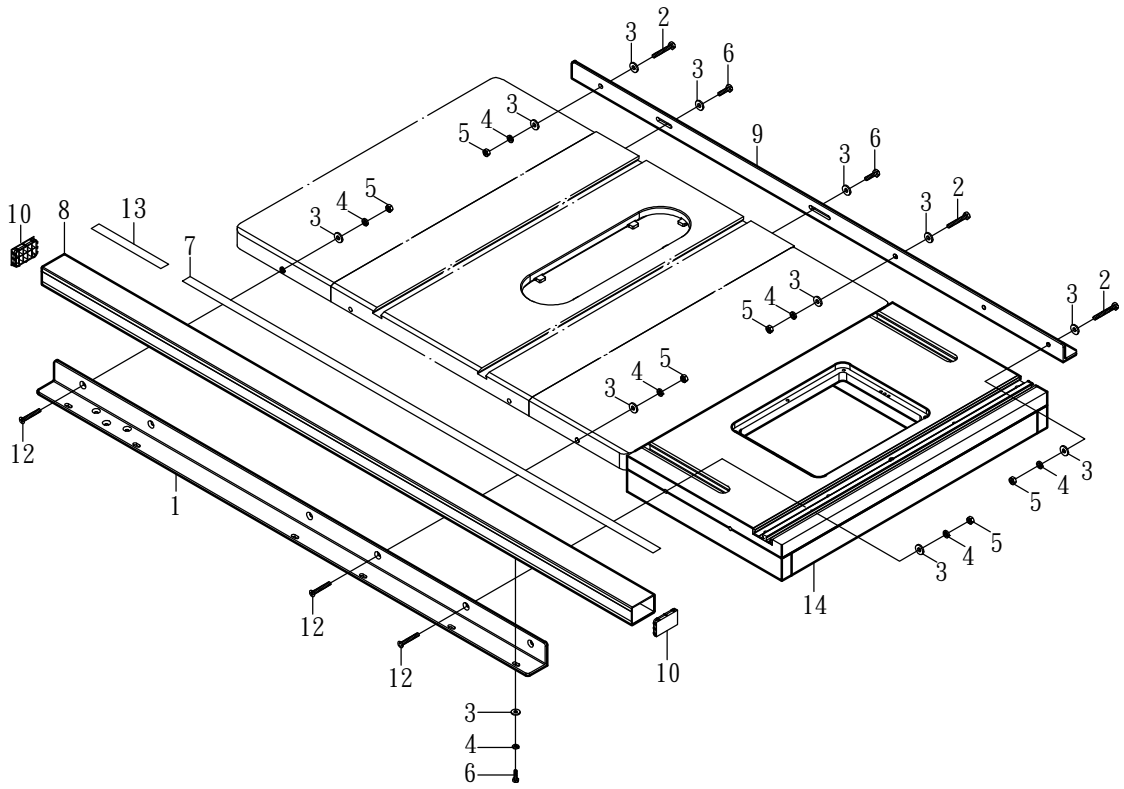
PARTS LIST FOR MI-51180
(Rail and Extension Table Assembly)



" Bolt package and scales are located inside guide rail # 8 remove plastic end cap to access "

IndexNo.	PartNo.	Description	Size	Qty.
1	MI-51180-R1	Front Fence Rail		1
2	MI-51180-R2	Hex Cap Screw	1/4” ×1-1/2”	4
3	MI-51180-R3	Flat Washer	1/4”	22
4	MI-51180-R4	Lock Washer	1/4”	16
5	MI-51180-R5	Hex Nut	1/4”	10
6	MI-51180-R6	Hex Cap Screw	1/4”×3/4”	8
7	MI-51180-R7	Scale		1
8	MI-51180-R8	Front Fence Guide	30”	1
9	MI-51180-R9	Back Fence Rail	30”	1
10	MI-51180-R10	Tube Cap		2
11	MI-51180-R11	Hardware Kit– not shown		1
12	MI-51180-R12	Flat Head Screw	1/4” ×1-1/2”	6
13	MI-51180-R13	Scale		1
14	MI-51180-R14	Extension Table Assembly		1