

MAXIMUM[®]

3-blade Cutterhead 13" (33 cm) Thickness Planer



Model no. 055-6971-2

IMPORTANT:

Please read this manual carefully before using this product, and save it for reference.

**INSTRUCTION
MANUAL**

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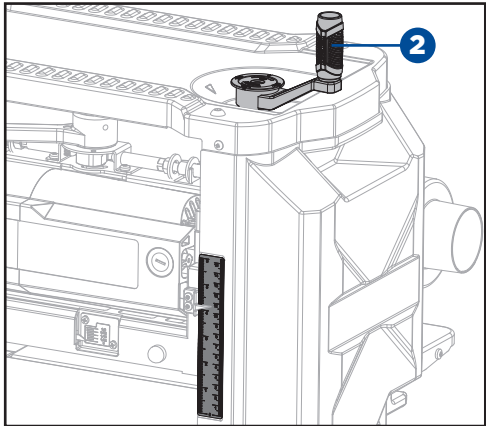
NOTE: If any parts are missing or damaged, or if you have any questions, please call our toll-free helpline at 1-888-670-6682.



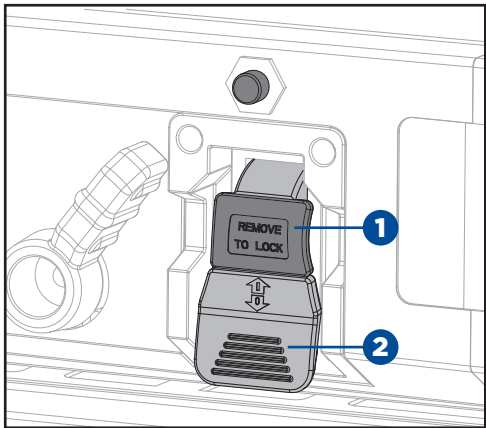
SAVE THESE INSTRUCTIONS
This manual contains important safety and operating instructions. Read all instructions and follow them when using this product.

This planer is designed for professional wood working. This planer finishes rough-cut lumber to size and planes soft- and hardwoods up to 6" (15.2 cm) thick and 13" (330 cm) wide. DO NOT use under wet conditions or in presence of flammable liquids or gases. DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- (1) • Turning the cutter head adjustment handle 2 clockwise lowers the cutter head. Turning the cutter head adjustment handle 2 counter-clockwise raises the cutter head.
➔ see page 23.



- (2) **To turn your planer on:**
- With the switch key 1 inserted into the switch 2, lift the switch to turn it on.
- To turn your planer off:**
- Press the switch 2 down to turn it off.
- ➔ see page 25.



SPECIFICATIONS

Motor	120 V, 60 Hz, 15A
Blade speed	10,000 RPM (no load)
Speeds	2
Number of blades	3
Cuts/inch (CPI)	96 & 179
Feed speed	7.9 & 4.2 m/min
Min cutting length	5 1/2" (14 cm)
Max cutting width	13" (33 cm)
Cutting depth range	3/16"-6" (0.5-15.2 cm)
In-feed/out-feed table size	13 1/16 x 11 1/4" (33.2 x 28.5 cm)
Max depth of cut	3" (76 mm) wide stock; 1/8" (3 mm), 6" (150 mm) wide stock; 3/32" (2.4 mm), 9" (228 mm) wide stock; 1/16" (1.6 mm), 13" (330 mm) wide stock; 1/32" (0.8 mm)
Dust port	4" (10 cm) & 2 1/2" (6.35 cm)
Weight	77 lb (35 kg)



CAUTION!

- Read and understand the following instructions to get the best use of the planer planing function.

SAFETY GUIDELINES

This manual contains information that relates to PROTECTING PERSONAL SAFETY and PREVENTING EQUIPMENT PROBLEMS. It is very important to read this manual carefully and understand it thoroughly before using the product. The symbols listed below are used to indicate this information.



DANGER!
Potential hazard that will result in serious injury or loss of life.



WARNING!
Potential hazard that could result in serious injury or loss of life.



CAUTION!
Potential hazard that may result in moderate injury or damage to equipment.

Note: The word “**Note**” is used to inform the reader of something the operator needs to know about the tool.

SAFETY RECOMMENDATIONS

These precautions are intended for the personal safety of the operator and others working with the operator. Failure to follow these instructions may result in a permanent loss of vision, serious personal or even fatal injury, property damage and/or tool damage.
Please take time to read and understand these instructions.
Safety is a combination of common sense, staying alert and knowing how your planer works.

GENERAL POWER TOOL SAFETY WARNINGS



WARNING!
Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

The term “power tool” in the warnings refers to your mains-operated (corded) power tool.


GENERAL SAFETY INSTRUCTIONS

- **KEEP GUARDS IN PLACE** and in working order.
- **REMOVE ADJUSTING KEYS AND WRENCHES.** Form a habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
- **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. Always operate tool in a well-ventilated area free of combustible materials, gasoline or solvent vapours. If sparks come in contact with flammable vapours, they may ignite, causing fire or explosion.

- **KEEP CHILDREN AWAY.** All visitors should be kept a safe distance from work area.
- **MAKE WORKSHOP KID-PROOF** with padlocks, master switches, or by removing starter keys.
- **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
- **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
- **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 overheating and loss of power. The **Recommended size for extension cords** 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. When operating a power tool outside, use an outdoor extension cord marked “W-A” or “W.” These cords are rated for outdoor use and reduce the risk of electric shock.
- **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewellery which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair. Air vents often cover moving parts and should also be avoided.
- **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.
- **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hands and it frees both hands to operate tool.
- **DON'T OVERREACH.** Keep proper footing and balance at all times.
- **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- **DISCONNECT TOOLS** before servicing and when changing accessories, such as blades, bits, cutters, and the like.
- **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
- **USE RECOMMENDED ACCESSORIES.** Consult the instruction manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
- **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
- **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.
- **DIRECTION OF FEED.** Feed work into planer according to direction of feed arrows on top of the unit.

• **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

SAFETY RULES FOR SURFACE PLANERS


- **WARNING!**
Failure to follow these rules may result in serious personal injury.
- **Do not operate this machine until it is completely assembled and installed according to the instructions.** A machine incorrectly assembled can cause serious injury.
 - **Obtain advice from your supervisor, instructor, or another qualified person if you are not thoroughly familiar with the operation of this machine.** Knowledge is safety.
 - **Follow all wiring codes and recommended electrical connections to prevent shock or electrocution.**
 - **Keep knives sharp and free from rust and pitch.** Dull or rusted knives work harder and can cause kickback.
 - **Never turn the machine "ON" before clearing the table of all objects (tools, scraps of wood, etc.).** Flying debris can cause serious injury.
 - **Never turn the machine "ON" with the workpiece contacting the cutterhead.** Kickback can occur.
 - **Secure the machine to a supporting surface to prevent the machine from sliding, walking or tipping over.**
 - **Be sure that the cutter knives are mounted as described in the instruction manual and check that all bolts are firmly tightened before connecting unit to power source.**
 - **Avoid awkward operations and hand positions.** A sudden slip could cause a hand to move into the knives.
 - **Keep arms, hands, and fingers away from the cutterhead, the chip exhaust opening, and the feed rollers to prevent severe cuts.**
 - **Never reach into the cutterhead area while the machine is running.** Your hands can be drawn into the knives.
 - **Do not stand in line with the workpiece.** Kickback can cause injury.
 - **Allow the cutterhead to reach full speed before feeding a workpiece.** Changing speeds while planing can cause kickback.
 - **When planing bowed stock, place the concave (cup down) side of the stock on the table and cut with the grain to prevent kickback.**
 - **Do not feed a workpiece that is warped, contains knots, or is embedded with foreign objects (nails, staples, etc.).** Kickback can occur.
 - **Do not feed a short, thin, or narrow workpiece into the machine. Your hands can be drawn into the knives and/or the workpiece can be thrown at high speeds.** See the Operation section of this instruction manual for details.
 - **Do not feed a workpiece into the outfeed end of the machine.** The workpiece will be thrown out of the opposite side at high speeds.
 - **Remove shavings only with the power "OFF" and the cutterhead stopped to prevent serious injury.**

- **Properly support long or wide work pieces.** Loss of control of the workpiece can cause serious injury.
- **Never perform layout, assembly or set-up work on the table/work area when the machine is running.** Serious injury will result.
- **Turn the machine "OFF", disconnect it from the power source, and clean the table/work area before leaving the machine. Lock the switch in the "OFF" position to prevent unauthorized use.** Someone else might accidentally start the machine and cause injury to themselves or others.

SUPPLEMENTAL SAFETY RULES FOR PLANERS

- To avoid injury, never rotate the cutterhead directly with your hands.
- Keep hands away from the underside of the cutterhead carriage.
- Never clear clogs, make cutter knife replacement, or any other repairs/adjustments with unit plugged in.
- Make certain that the switch is in the "OFF" position before connecting plug to a power source.
- Stay alert—never operate the unit when tired or under the influence of drugs, alcohol, or medication.
- Do not use in dangerous environments. Do not use near flammable substances, in damp or wet locations, or exposed to rain.
- Never plane material which is shorter than 5 1/2" (140 mm) narrower than 3/4" (19.05 mm), or wider than 13" (330 mm).
- Exhaust chute: remove shavings with brush or vacuum after power has been shut off and cutterhead has stopped rotating.
- Always locate planer with proper clearance on the outfeed side of the unit to prevent pinching or binding of the workpiece against any obstacle.
- Maintain the proper relationships of infeed and outfeed table surfaces and cutterhead knife path.
- Lock the speed setting securely before feeding the workpiece through the machine. Changing speeds while planing can cause kickback.

ADDITIONAL SAFETY INFORMATION

- **WARNING!**
Never modify the power tool or any part of it. Damage or personal injury could result.

USE SAFETY GOGGLES AND EAR PROTECTION:

ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CUL REQUIREMENTS. FLYING DEBRIS can cause permanent eye damage. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses; they are NOT safety glasses.



The tool is loud and the sound can cause hearing damage. Always wear ear protection to help prevent hearing damage and loss. Failure to comply may result in moderate injury.



USE DUST MASK:

Some dust created by sawing contains chemicals that are known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals come from lead-based paints; crystalline silica from bricks, cement and other masonry products; and arsenic and chromium from chemically treated lumber. To reduce exposure to these chemicals, work in a well-ventilated area with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.



Danger! Keep hands away from blade.

ELECTRICAL SAFETY

GROUNDING INSTRUCTIONS:

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.

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 a green outer surface, 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.

Check with a qualified electrician or service technician if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded. Use only three-wire extension cords that have three-prong grounding plugs and three-pole receptacles that accept the tool's plug, as shown in Fig. 1. Repair or replace a damaged or worn cord immediately.

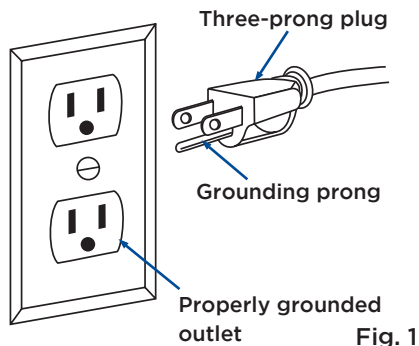


Fig. 1



CAUTION!

In all cases, verify that the outlet in question is properly grounded. If you are not sure, have a licensed electrician check the outlet.

GUIDELINES FOR USING EXTENSION CORDS:

- Make sure the extension cord is in good condition. When using an extension cord, be sure to use one that is heavy enough to carry the current that your product will draw. An undersized cord will cause a drop in line voltage, which will result in loss of power and overheating. The table on the next page shows the correct size to be used according to cord length and nameplate ampere rating. When in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
- Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord, or have it repaired by a qualified person before using it. Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.
- Use a separate electrical circuit for your tools. This circuit must consist of not less than #12 wire with a 20 A time-delayed fuse or a #14 wire with a 15 A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.
- Use only extension cords that are intended for outdoor use. These extension cords are identified by a marking "Acceptable for use with outdoor appliances; store indoors while not in use." Use only extension cords having an electrical rating 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.
- **WARNING** - To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands.



WARNING!

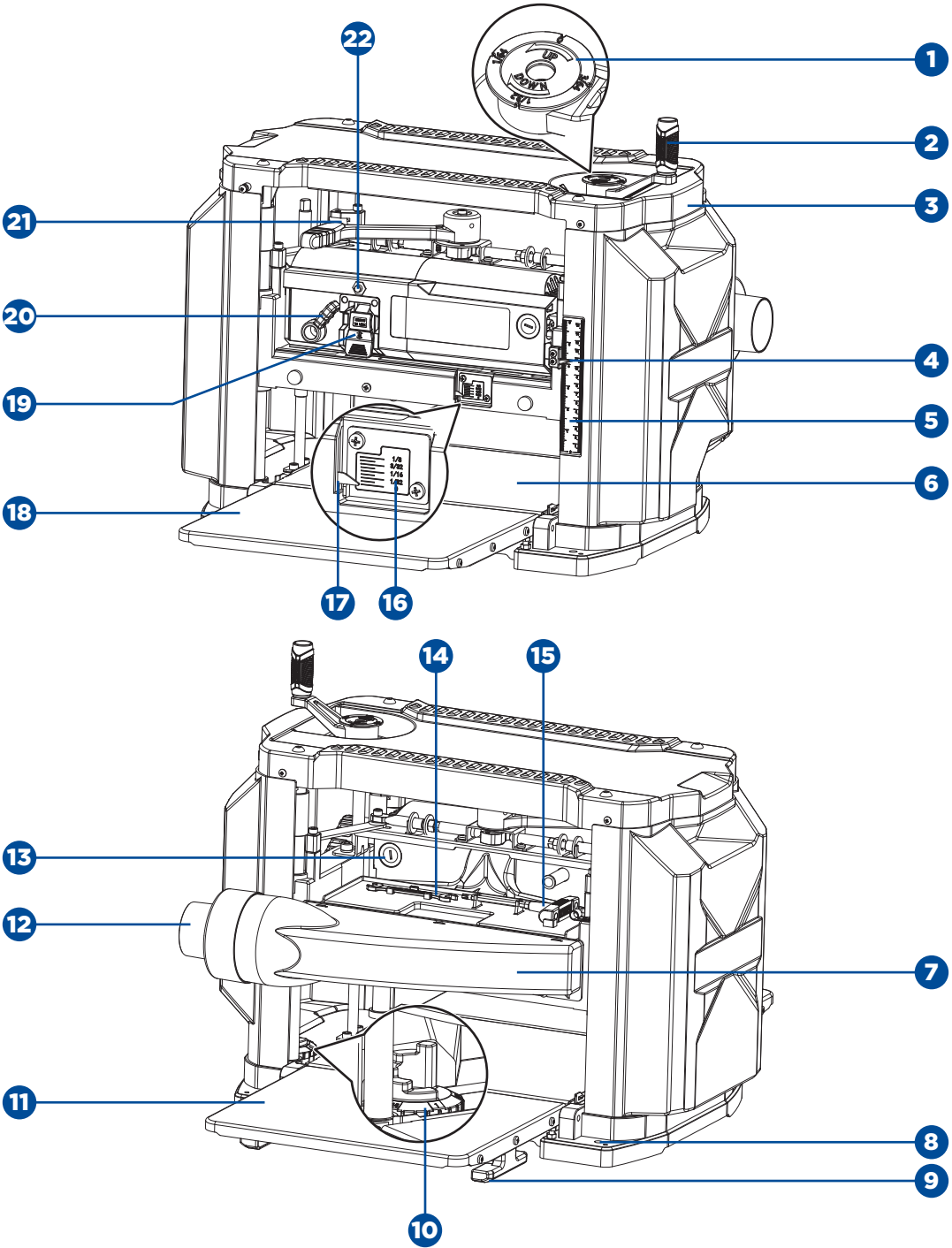
- Use the proper extension cord. Make sure to use an extension cord that is heavy enough to carry the current required by the tool. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating of the tool.
- Use the extension cord only for intended purpose. Do not pull the extension cord to remove it from the power socket.
- This tool must be grounded while in use in order to protect the operator from electric shock.

NOTE: Recycle unwanted materials rather than disposing of them as waste. Sort the tool and its components in specific categories and take to the local recycling centre or dispose of them in an environmentally safe way.

• Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet (s) to be used for the planer. Receptacles are available having built-in GFCI protection and may be used for this measure of safety.

Recommended size for extension cords

AMPERAGE RATING OF THE TOOL		TOTAL LENGTH OF THE EXTENSION CORD			
(120 V CIRCUIT ONLY)		25' (7.6 m)	50' (15.2 m)	100' (30.5 m)	150' (45.7 m)
MORE THAN	NOT MORE THAN	MINIMUM GAUGE FOR THE EXTENSION CORD (AWG)			
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not recommended	



No.	Description	No.	Description
1	Adjustable scale	12	Dust port
2	Cutter head adjustment handle	13	Carbon brush cap
3	Carrying handle	14	Open-end wrench
4	Depth scale pointer	15	T-wrench
5	Depth scale	16	Material removal depth scale
6	Table	17	Material removal depth pointer
7	Dust chute	18	In-feed extension table
8	Mounting hole	19	On/Off switch
9	Plug cable storage	20	Two-speed knob
10	Turret stop	21	Carriage lock lever
11	Out-feed extension table	22	Overload protector/reset button

The safe use of this product requires an understanding of the information on the tool and in this operator’s manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

15 AMP MOTOR

The planer has a powerful 15 amp motor with sufficient power to handle tough cutting jobs.

TOOL STORAGE

The open-end wrench and T-wrench can be stored in tool tray located on the top back side of the planer.

TURRET STOP

The turret stop, located on the right side of the planer, has preset measurements for repetitive planing.

MATERIAL REMOVAL DEPTH SCALE

The material removal depth scale is located on the front of your planer and measures depth of cuts up to 1/8”.

DUST PORT

Attaching a 2 1/2” shop vac hose to the dust port helps minimize sawdust accumulation on the workpiece.

OVERLOAD PROTECTOR/RESET BUTTON

Used to reset the tool after the overload protection has been activated.

CUTTER HEAD ADJUSTMENT HANDLE

The cutter head adjustment handle is used to raise and lower the cutter head assembly. Lower the cutter head assembly by turning it counter-clockwise and raise the cutter head assembly by turning it clockwise.

DEPTH SCALE

The depth scale accurately displays the height of the cutter head assembly. It helps to set the cutting depth.

IN-FEED EXTENSION TABLE

Used to support the workpieces before being picked up.

OUT-FEED EXTENSION TABLE

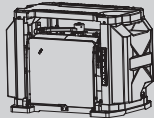
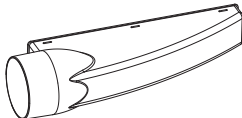
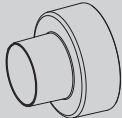
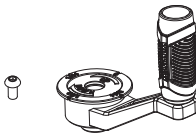
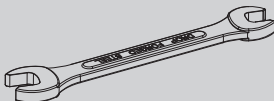
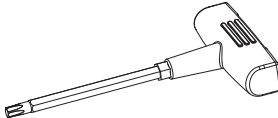
Used to support the workpieces after they have passed under the cutter knives.

TABLE



Supports the workpieces during a cutting operation with a combination of in-feed and out-feed table surfaces.

CARRYING HANDLE

For balancing purposes when carrying or transporting the planer from one place to another, a carrying handle is provided on each side of the cover.

No.	Description	Qty.	Illustration
1	Planer assembly	1	
2	Dust chute	1	
3	Dust port	1	
4	Cutter head adjustment handle with flower pan head screw M6 x 16	1	
5	Open-end wrench	1	
6	T-wrench	1	

TOOLS NEEDED FOR ASSEMBLY

Screwdriver		Wrench	
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UNPACKING

Carefully lift planer from the carton by the carrying handles on each side of the side cover, and place it on a level work surface. Inspect the unit for damage. If the unit has been damaged in transit, contact the carrier and complete a damage claim. Do this immediately because there is a time limitation for damage claims.

Do not use this product if any parts of the package contents are already assembled to your product when you unpack it. Package contents are not assembled to the product by the manufacturer and require customer installation. Use of a product that may have been improperly assembled could result in serious personal injury.



This tool is heavy. For your own safety, it is recommended that two people lift this machine from the carton or serious injury could result. The in-feed and out-feed extension tables are attached to the planer. Shipped in a folded, “upright” position, the extension table must be in the “down” position before planing can begin.

- Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please call 1-888-670-6682 for assistance.



WARNING!

If any parts are damaged or missing do not operate this tool until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

- Do not attempt to modify this tool or create accessories not recommended for use with this tool. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.
- Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.
- Risk of injury! Always pull out the mains plug (disconnect the product from its power supply) before commencing work on the product.

BEFORE YOUR START

This MAXMIUM 13" (330 cm) planer finishes rough-cut lumber to size and planes soft- and hardwoods up to 6" (15.2 cm) thick and 13" (330 cm) wide.

Any piece of wood will have a natural tendency to bow and warp, even if it was initially milled perfectly straight. This planer features a powerful 15 A motor with overload protection and high carbon steel knives to handle such tough cutting jobs. Intended for use by the Do-It-Yourself enthusiast, for wood working projects at home and in the workshop.

This tool is intended for:

This planer is designed for wood working:

- Surface planing (smoothing rough lumber)
- Thickness planing (reducing the thickness of a board)

DO NOT use under wet conditions or in presence of flammable liquids or gases.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.



But even the best guard will not make up for poor judgment, carelessness or inattention.

ALWAYS USE COMON SENSE AND EXERCISE CAUTION!



CAUTION!

- Woodworking can be dangerous if safe and proper operating procedures are not followed. As with all power tools, there are certain hazards involved with the operation of the product. Using the tool with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result.
- Safety equipment such as guards, push sticks, hold-downs, featherboards, goggles, dust masks and hearing protection can reduce your potential for injury.

TRANSPORTING THE PLANER (Fig. 2)

When moving your planer, carry it by the side carrying handles (1) of the planer.

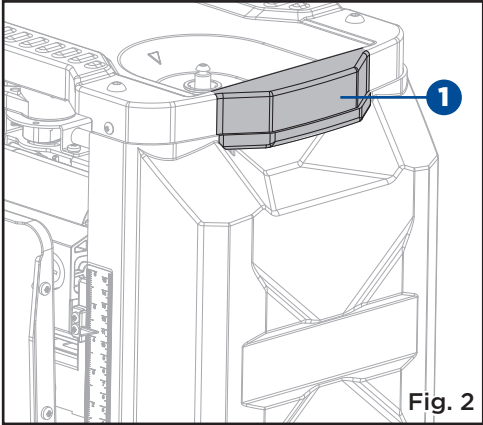


Fig. 2

EXTENSION TABLES (Fig. 3)

Before using your planer, fold down the in-feed extension table (1) in the front and out-feed extension table (2) back of the tool. After extended use, the extension tables may be slightly out of level. See **LEVELLING THE TABLE EXTENSIONS** in the Maintenance section of this manual.

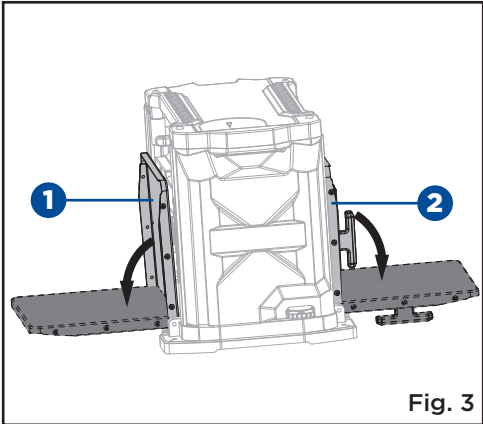


Fig. 3



WARNING!

For your own safety, it is recommended that two people carry this machine or serious injury could result.

NOTE: The outside edges of the extension tables are level with the base while the inside edges (closest to the cutterhead) are below the edge of the base. This is set at the factory to reduce unnecessary friction between the material and the table while providing adequate support at the two points (those farthest from the cutterhead) on the tables that are integral to snipe prevention.

BENCH MOUNTING (Fig. 4)

To facilitate bench mounting, two different sized holes (1, 2) are provided on the four corners of your planer. If mounting the planer with bolts, use the larger holes. If mounting the planer with nails or screws, use the smaller holes. It is not necessary to use both sets of holes.

Always mount your planer firmly to prevent movement. To enhance the tool's portability, it can be mounted to a piece of 1/2" (12.7 mm) or thicker plywood which can then be clamped to your work support or moved to other job sites and reclamped.

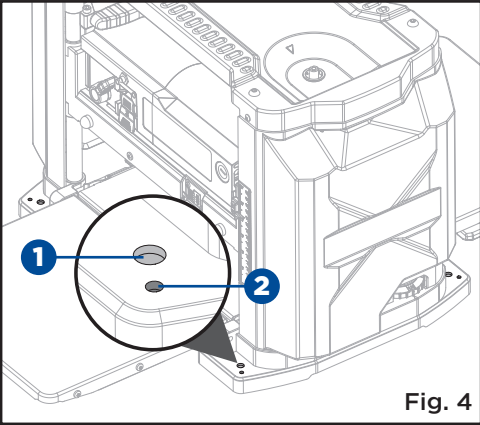


Fig. 4

INSTALLING THE CUTTER HEAD ADJUSTMENT HANDLE (Fig. 5)

- Attach the cutter head adjustment handle (1) to the planer and fasten with screw M6 x 16 (2).
- Tighten the flower pan head screw M6 x 16 (2). using the T-wrench (included).

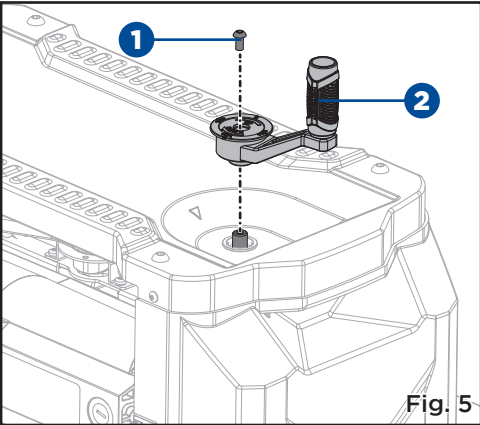


Fig. 5

NOTE: If you elect to mount your planer onto a piece of plywood, make sure that the mounting screws don't protrude from the bottom of the wood. The plywood must sit flush on the work support.



CAUTION!

The mounting surface should not be warped or otherwise uneven.

INSTALLING THE DUST CHUTE (Fig. 6a-6d)

Loosen Screws

- Using the T-wrench (included), loosen the three marked screws (1) located at the rear of the cutter head assembly and do not remove them.

Align Notches with Screws

- Align the three notches (2) on the dust chute (3) to the three loosened screws (1).

Align Slots with Hooks

- Align the three slots (4) with the three hooks (5) on the machine. If the dust chute is a little deformed, it may be necessary to use some pressure to ensure that the slots and hooks match properly.

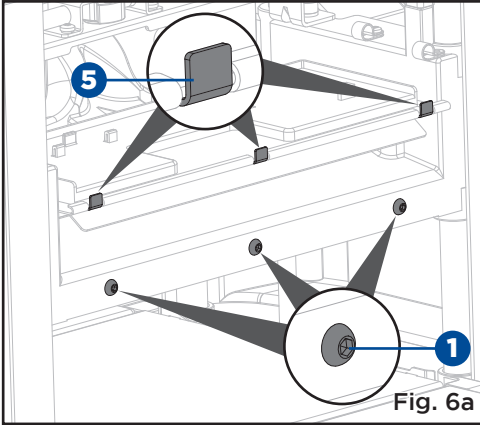


Fig. 6a

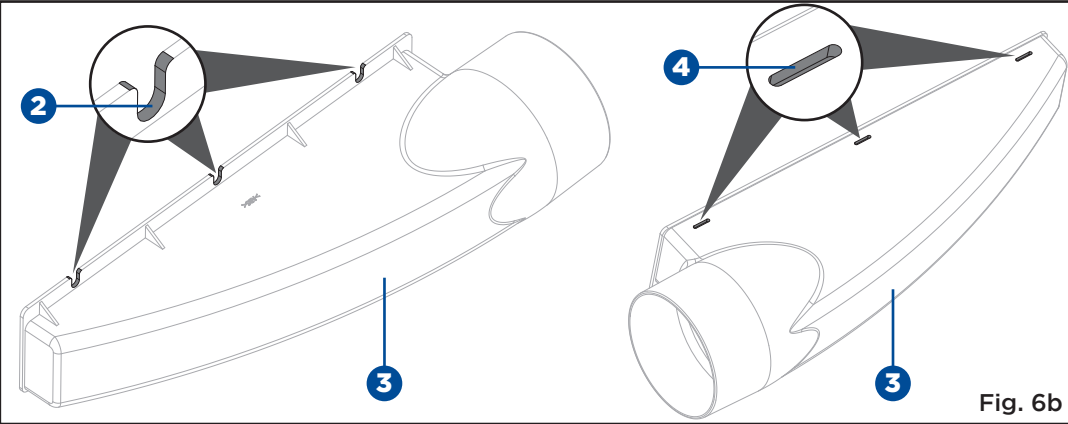


Fig. 6b



WARNING!

Do not operate your planer without dust chute and dust port in place. Do not insert anything into the dust chute and dust port unless the planer is unplugged and you are clearing a clog or obstruction in the unit. Do not get your face or eyes near the dust chute and dust port when the planer is in operation. Serious injury could result.



WARNING!

Chips are ejected at significant velocity. Keep hands and face clear of dust chute and dust port.

Tighten Screws

- Tighten the three screws (1) that secure the dust chute (3) to the rear of the cutter head assembly.

Attach Dust Port

- Attach the dust port (6) to the dust chute (3).
- Attach dust port (6) to a dust collector. Refer to dust collector owner's manual for correct procedure and safety information.

CARRIAGE LOCK LEVER (Fig. 7)

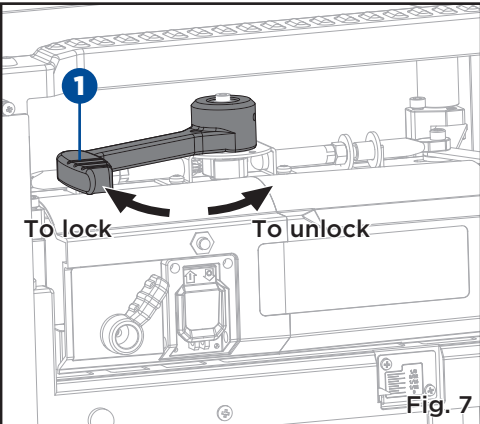
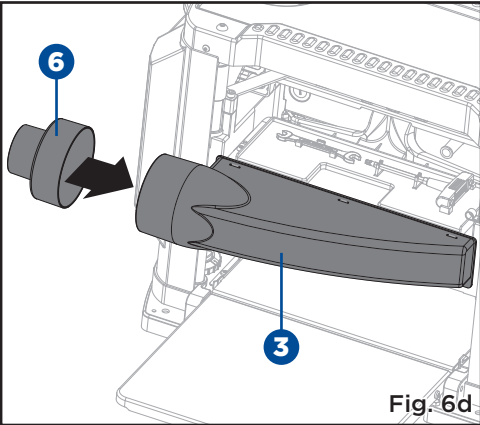
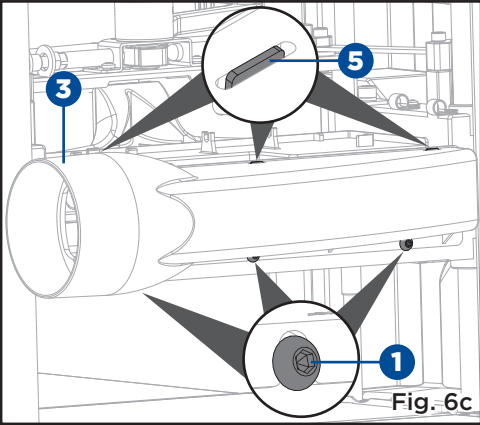
- Never adjust the cutter head assembly with the cutter head lock in the "locked" position. A complete rotation of the cutter head adjustment handle moves the cutter head assembly 1/16" (1.6 mm).

To Raise The Cutter Head

- With the power switch in the OFF (O) position, turn the carriage lock lever (1) counter-clockwise to unlock the cutter head assembly.
- Turn the cutter head adjustment handle clockwise to raise the cutter head.
- Once cutter head is in the desired position, lock the cutter head by turning the carriage lock lever (1) clockwise.

To Lower The Cutter Head

- With the power switch in the OFF (O) position, turn the carriage lock lever (1) counter-clockwise to unlock the cutter head assembly.
- Turn the cutter head adjustment handle counter-clockwise to lower the cutter head.
- Once cutter head is in the desired position, lock the cutter head by turning the carriage lock lever (1) clockwise.



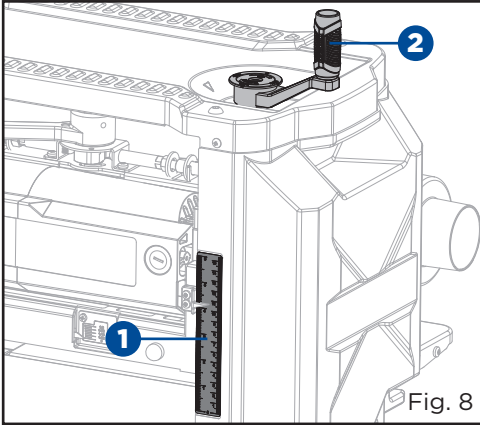
DEPTH ADJUSTMENT (Fig. 8)

Depth Scale

- The depth scale (1), located on the right front of your planer, indicates the finished thickness of your workpiece. One rotation of the cutter head adjustment handle is equal to 1/16" (1.6 mm); one half rotation is equal to 1/32" (0.8 mm), etc.

Cutter Head Adjustment Handle

- Turning the cutter head adjustment handle (2) clockwise lowers the cutter head. Turning the cutter head adjustment handle (2) counter-clockwise raises the cutter head.



FINE ADJUSTMENTS (Fig. 8)

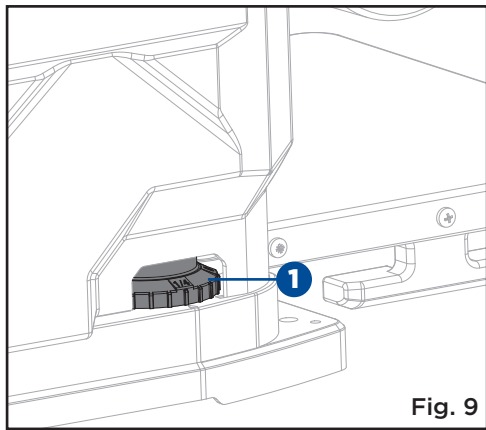
The cutter head adjustment handle (2) allows for fine adjustments, from 1/64" (0.4 mm) to 1/16" (1.6 mm). Fine adjustments are ideal for "shaving" small amounts from your material. For example, if your planed workpiece measures 3-1/16" (77.8 mm) thick, but should be 3" (76.2 mm) thick, adjust your planer to remove the excess 1/16" (1.6 mm) as follows:

- Plane and measure your workpiece. In this example, the starting thickness is 3-1/16" (77.8 mm).
- Turn the circular label on the cutter head adjustment handle (1) until the "0" mark aligns with the arrow on the top of the tool. Do not make any other adjustments to the planer.
- Turn the cutter head adjustment handle (1) clockwise until the 1/16" (1.6 mm) mark aligns with the arrow.
- Plane your workpiece. The final thickness should be 3" (76.2 mm).

NOTE: Never adjust cutter head height with the cutter head in the locked position.

TURRET STOP (Fig. 9)

- Your planer is equipped with a turret stop (1) , for planing multiple boards to the same pre-set depth. Stops are set at 0", 1/4" (6.4 mm), 1/2" (12.7 mm), 3/4" (19 mm), 1" (25.4 mm) and 1-1/4" (32 mm).



TO SET THE MINIMUM DEPTH TO WHICH THE CARRIAGE CAN TRAVEL WITH THE TURRET STOP

- Be sure the carriage is set above 1-1/4" (32 mm) before trying to set the turret stop.
- Turn the turret stop until the desired thickness setting shows.
- Unlock the carriage lock lever and lower the carriage.
- Plane the workpiece at desired increments until the correct final thickness is achieved.

NOTE: Do not use force to crank the carriage below the level that the turret stop indicates. Permanent damage to the height adjustment system on your planer will result.



WARNING!
To reduce the risk of serious personal injury, turn unit off and disconnect it from power source before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.



WARNING!
Do not allow familiarity with tools to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.



WARNING!
Always wear eye protection that conforms with CUL requirements. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.



WARNING!
Do not use any attachments or accessories not recommended by the manufacturer of this tool. The use of attachments or accessories not recommended can result in serious personal injury.



WARNING!
The use of this planer on materials not listed could damage the planer and could cause serious personal injury.



WARNING!
Never plane workpiece with loose knots or foreign objects. Do not plane workpieces that are severely bowed, twisted, or knotted. Cutter blades can dull, chip, or break causing possible serious personal injury.



WARNING!
Do not force feed the workpiece through the machine. Let the planer apply the proper feed rate.

ON/OFF SWITCH (Fig. 10)

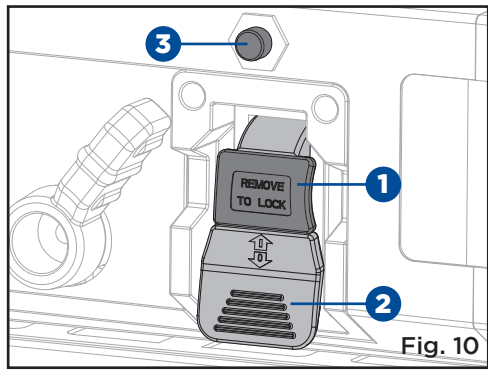
This planer is equipped with a switch assembly that has a built-in locking feature. This feature is intended to prevent unauthorized and possibly hazardous use by children and others.

To turn your planer on:

- With the switch key (1) inserted into the switch (2), lift the switch to turn it on.

To turn your planer off:

- Press the switch (2) down to turn it off.



WARNING!
Always remove the switch key when the tool is not in use, and keep the switch key in a safe place. In the event of a power failure, turn the switch off and remove the key. This action will prevent the tool from accidentally starting when the power returns.

To lock your planer:

- Press the switch (2) down. Remove the switch key (1) from the switch, and store it in a safe, secure location.

OVERLOAD PROTECTOR/RESET BUTTON (Fig. 10)

This planer is equipped with an overload protector/reset button (3) which will automatically “trip” and cause the planer to shut down if the motor is overloaded due to continuous heavy cutting.

The planer overload protector can only be reset manually by the user after the planer has been allowed to adequately cool. Allow 15-30 minutes.

Should the overload protector “trip”:

- Turn switch off (O).
- Raise carriage and remove board.
- After 15-30 minutes, reset overload protector by pushing the reset button on the top of the motor housing. An audible click will indicate the overload protector is reset. Once the button is reset, the tool may be started and operated as normal.
- If motor has cooled, button will remain in.

SPEED SELECTION (Fig. 11)

Your planer has the ability to feed material at two different speeds. The two-speed knob (1) was designed to improve efficiency when planing and to provide the best possible surface finish to a variety of materials.

To remove material thickness more quickly, set the unit at speed “2”. This setting delivers 96 cuts per inch to the material.

For finishing, set the unit to speed “1”. Speed “1” is ideal for ensuring the finest finish on the last pass before your final thickness is achieved.

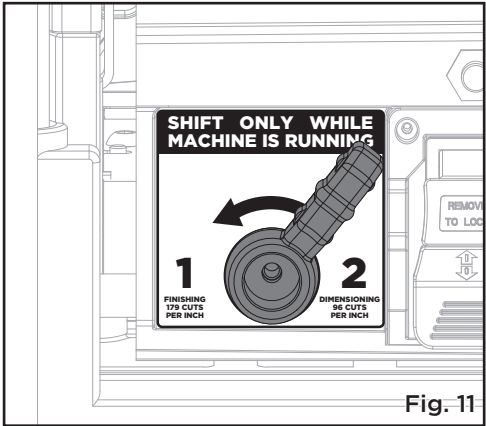


Fig. 11

NOTE: If the button won't click into place immediately, the motor is still too hot and must be allowed to cool.

NOTE: Only switch speeds when the planer is running.

NOTE: When planing particularly hard or figured species of wood, speed “1” is recommended. The slower feed rate will reduce knife wear and tear-out by delivering 179 cuts per inch to the material.

MATERIAL REMOVAL DEPTH SCALE (Fig. 12)

Your planer is equipped with a material removal gauge (1) . It is used to indicate the amount of wood that will be removed in one pass with the carriage set at its current height.

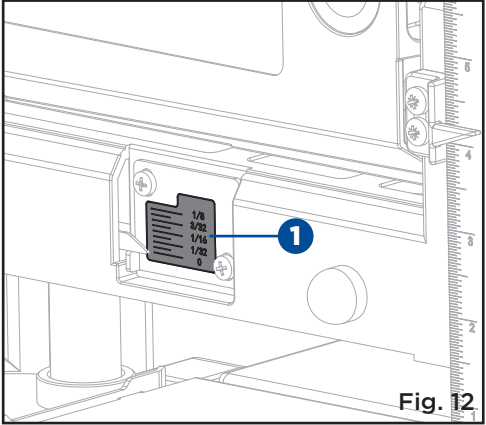


Fig. 12

TO USE THE MATERIAL REMOVAL DEPTH SCALE

- Slide approximately 3" (76 mm) of your material under the middle of the carriage.
- Be sure the wood is lying flat against the base of the planer. If the material is inserted at an angle, the reading may be inaccurate.
- Crank the carriage down on the material until the material removal bar engages the wood. You will see the red arrow begin to move up the scale indicating the amount of material to be removed with the carriage at that height.
- Adjust the carriage height until the desired depth of cut appears on the scale.
- Pull the material out from under the carriage.
- Turn the unit on and feed your material into the cutterhead.

TABLE A

MATERIAL REMOVAL GAUGE	
1/8"	DEPTH OF CUT
3/32"	
1/16"	
1/32"	
0	
3"	WIDTH
6"	
9"	
13"	

NOTE: Do not exceed the recommended depth of cut for various widths of material recommended on the material removal gauge (Table A).



WARNING!

DO NOT switch the unit on with the material positioned under the carriage. Serious injury could result.

PLANING BASICS

PROPER PLANING TECHNIQUE

TO PLANE YOUR MATERIAL

- Lower the carriage to the desired height for your first pass.
- Turn the unit on and feed the material into the feed rollers.
- Examine the finished cut and adjust the carriage to the appropriate height for your next pass.

See **TROUBLESHOOTING** for additional information. For best results, plane both sides of the workpiece to reach a desired thickness. For example, if you need to remove 1/8" (3 mm) from your workpiece, remove 1/16" (1.6 mm) from each side. This not only allows the workpiece to dry with an even moisture content, it also produces finer cuts.

MINIMUM/MAXIMUM WIDTH/HEIGHT/DEPTH

NOTE: Always plane in the direction of the grain. Support the workpiece adequately at all times. Planing material less than 3/4" (19 mm) wide is not recommended. If you must plane narrow material, group several pieces together and plane them as one wide workpiece whenever possible. The maximum depth of cut your planer can take in one pass is 1/8" (3 mm) [on material less than 3" (76 mm) wide]. Never attempt to modify your planer to take a deeper cut. Follow the recommended depth/width of cut guidelines shown in Table A on Page 27 for best results.



WARNING!

DO NOT turn the unit on with the material already inserted under the carriage. Wait until the rollers and cutterhead are up to full speed before feeding your material into the machine.



WARNING!

Plane only wood that is free from foreign objects, with no loose knots and as few tight knots as possible. Do not plane wood that is severely warped, twisted, knotted or bowed.



WARNING!

Do not place your body between the rear of the planer and a stationary object while material is feeding. Serious injury could result.

SNIFE

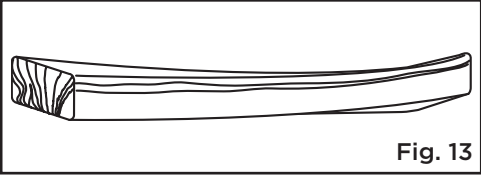
Snipe is a depression made when an unsupported end of your material drops toward the floor, causing the opposite end to lift up into the cutterhead.

TO AVOID SNIPE

Feed the workpiece into the planer so it is level and remains flat against the base at all times.
Keep the workpiece level throughout planing operation by receiving or "catching" it from the rear of the planer.
If you are planing material that is especially long, the use of additional material support is recommended.

TWISTED, CUPPED AND BOWED WOOD (Fig. 13)

If both sides of your material are very rough or if the material is cupped, bowed or twisted, your planer may not produce the desired result. Ideally, you should have at least one level face/surface on your material before you plane. Your planer will work best with material that has been run through a jointer to produce one flat surface. If you do not have at least one flat surface or a jointer, see the following recommendations.



TO PLANE TWISTED WOOD (Fig. 14)

If your material is only slightly twisted:
Plane both sides alternating from one to the other until the desired thickness is reached.



WARNING!

Twisted wood may jam your planer. If a jam occurs, turn the power off, disconnect the power supply and raise the carriage to release the material from the cutterhead.

TO PLANE CUPPED WOOD (Fig. 14)

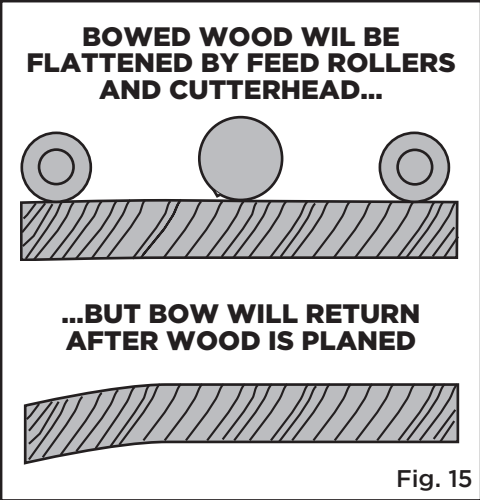
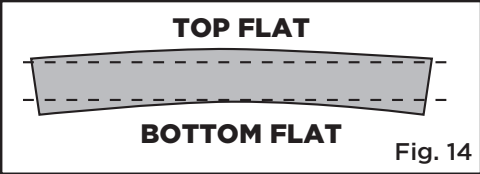
To obtain the best possible results with cupped wood:
Rip the material down the middle and plane it as two separate pieces.
Ripping the material reduces the severity of the cup and allows the machine to deliver better results. Understand that you will have to remove more material on cupped wood to achieve the desired thickness than you would on a normal board.

IF RIPPING THE MATERIAL IS NOT AN OPTION

Plane one side of the material until flat, then plane the opposite side until it is also flat.

TO PLANE BOWED WOOD (Fig. 15)

The feed rollers and cutterhead in your planer will push the bow out of the material as it feeds. However, when the material exits the planer, the pressure of the rollers and cutterhead will release allowing the wood to spring back into a bowed formation. To properly remove the bow, use a jointer.



NOTE: Do not flip the board back and forth between each pass if wood is cupped.

MAINTENANCE



WARNING!
When servicing, use only identical replacement parts. Use of any other part may create a hazard or cause product damage.



WARNING!
Always wear eye protection that conforms with CUL requirements during product operation. If operation is dusty, also wear a dust mask.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

MOTOR/ELECTRICAL

The universal motor is easy to maintain but must be kept clean. Do not allow water, oil, or sawdust to accumulate on or in it. The sealed bearings are permanently lubricated and need no further attention.

CLEANING

Unplug the planer.
Sawdust buildup and other debris can cause the tool to plane inaccurately. Periodic cleaning and waxing is needed for accurate, precision planing.
Do not allow sawdust to accumulate on the planer. Clean the dust hood after each use.
Moving parts should be cleaned regularly with penetrating oil and lubricated with a light coating of medium-weight machine oil.



WARNING!
Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. They contain chemicals that can damage, weaken, or destroy plastic.

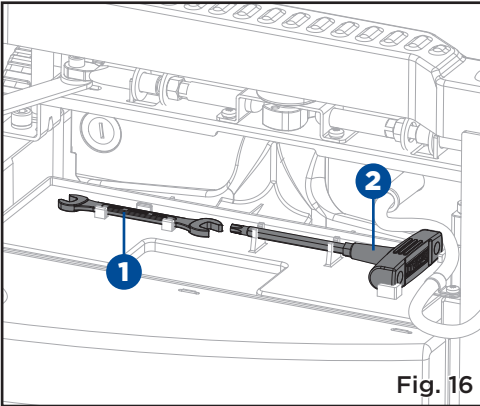


WARNING!
To ensure safety and reliability, all repairs should be performed by a qualified service technician at an authorized service centre to avoid risk of personal injury.

Paste wax should be applied to the planing table surface to ease the movement of workpieces across it, but be careful not to use so much that it will be absorbed into the wood and interfere with staining. Check feed rollers after each use for resin buildup, because feed rollers must be clean to be effective. If buildup occurs, use a mild, nonflammable tar and pitch remover.

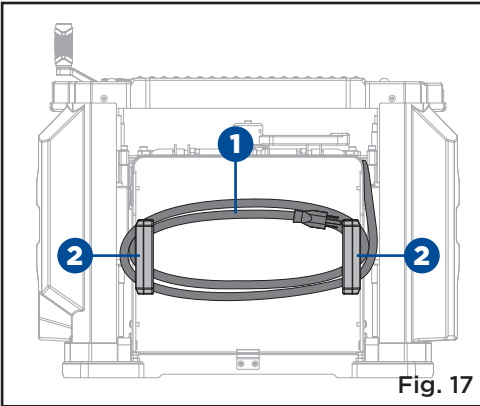
OPEN-END WRENCH AND T-WRENCH STORAGE (Fig. 16)

- For your convenience, the open-end wrench (1) and T-wrench (2) can be stored in tool tray located on the top back side of the planer.
- Dispose of used blades properly. Wrap blades in tape before disposal to avoid accidental injury.



PLUG CABLE STORAGE (Fig. 17)

When not in use, remove the dust chute and dust port; the plug cable (1) should be wrapped around plug cable storage (2) on the planer.



DANGER!
Rotating blades under dust hood. In order to avoid personal injury, keep fingers away.



WARNING!
Check extension cords before each use. If damaged, replace immediately. Never use tool with a damaged cord since touching the damaged area could cause electric shock resulting in serious injury.

CHANGING THE PLANER KNIVES

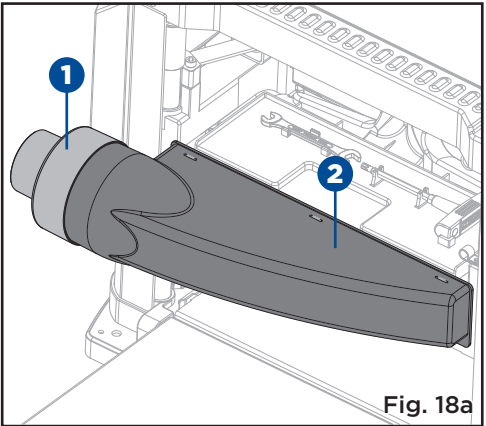
Your planer is equipped with a three-knife cutterhead with three blades that have two sharpened edges. These blades can be rotated once and changed as needed.

CHANGE BLADES WHEN

- Dull – may cause feeding issues.
- Slow feed or no feed.
- Motor overloading can also be an indication that knives are dull and result in frequent breaker trips.
- Excessive tearout of the wood material being planed.
- Nicked – blades can become nicked when planing very knotty wood or when foreign material is not removed from the wood being planed.

TO CHANGE PLANER KNIVES (Fig. 18a-18f)

- Lower the cutter head to lowest position and lock the carriage lock lever.
- Remove the dust chute (1) and dust port (2).



WARNING!
To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories.

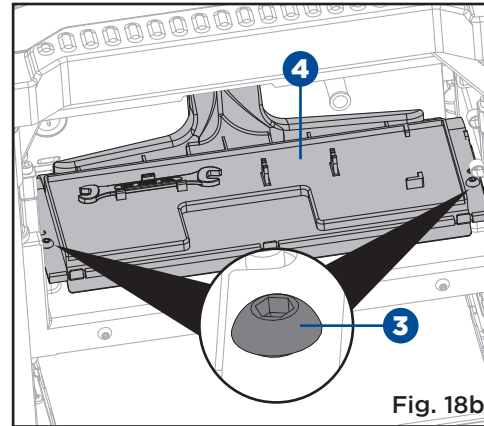


WARNING!
Keep your fingers away from the cutterhead at all times. Use the tool provided to handle the knives.

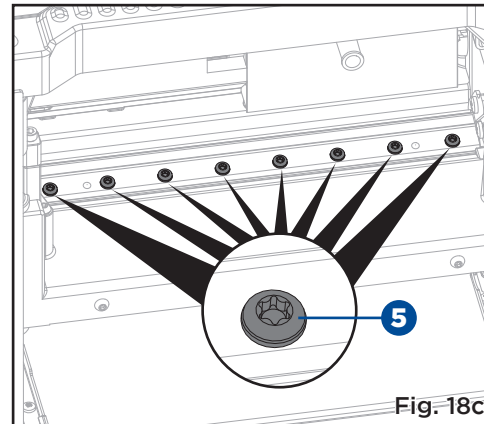


WARNING!
Always wear heavy leather gloves and use caution when loosening blade locking screws and handling and/or changing blades. Blades are sharp and can cause serious injury.

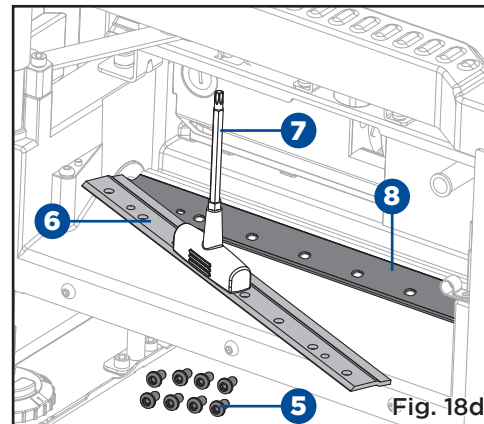
- Loosen and remove two bolts (3) using the T-wrench (supplied) to remove the tool tray (4).



- The cutterhead should now be exposed. If the eight bolts (5) in the knife clamp are not visible, use a piece of scrap wood to carefully rotate the cutterhead until the bolts are accessible.

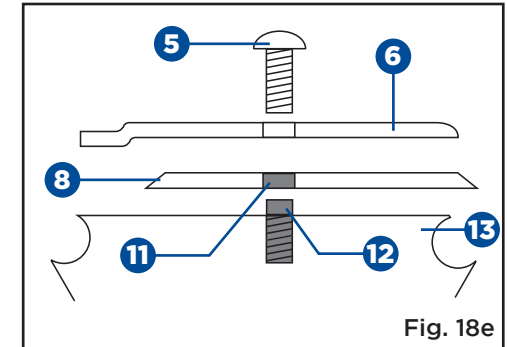


- Remove bolts (5) from knife clamp (6).
- Use the magnets on the top of the T-wrench (7) to attract the knife clamp (6) and lift the knife (8) off the cutterhead. One of the knives should now be exposed.
- Use the magnet on the top of the T-wrench to attract and handle the knife. AVOID TOUCHING THE KNIFE WITH YOUR FINGERS. The knives on your planer are sharpened on both edges.

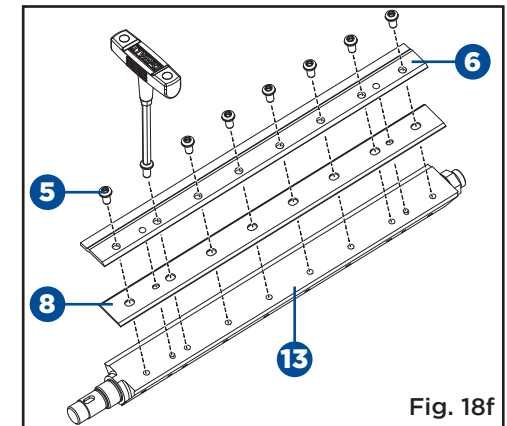


IF ONLY ONE EDGE OF THE KNIFE IS WORN (Fig. 18e-18f)

- Turn the knife around so that the sharp, unused edge hangs over the edge of the cutterhead where it will cut the material. Be sure to set the oblong holes (11) in the knife (8) over the pins (12) machined on the cutterhead (13).



- To reset the knife clamp (6), align the beveled edge of the knife clamp with the cutting edge of the knife (8) (Fig. 18f). If these are not aligned correctly, the clamp will not secure the knife properly.
- Place eight bolts (5) through the holes in the knife clamp (6) and knife (8) into the cutterhead (13).
- Tighten the bolts sufficiently.



TO ACCESS AND REPLACE THE OTHER TWO KNIVES

- Use the piece of scrap wood to carefully turn the cutterhead until revealing another knife clamp and dull knife.
- Repeat the procedure indicated above.

IF THE KNIVES ARE DULL ON BOTH EDGES

- Follow the same knife change procedure indicated above. HOWEVER, discard the dull knives and install new ones onto the cutterhead. Blades can not be sharpened.
- Repeat the procedure for the remaining knives.



WARNING!

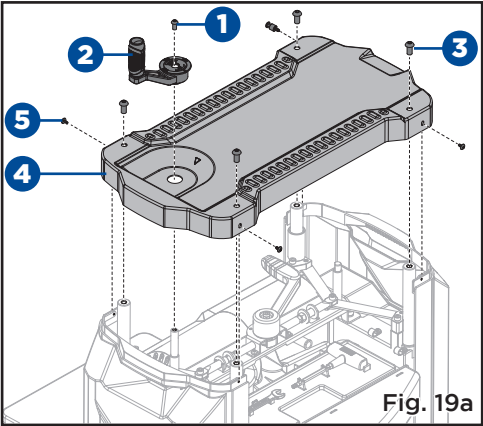
Make sure the tool tray, dust chute and dust port are properly secured before operating the planer.

AFTER INSTALLING OR REVERSING THE KNIVES

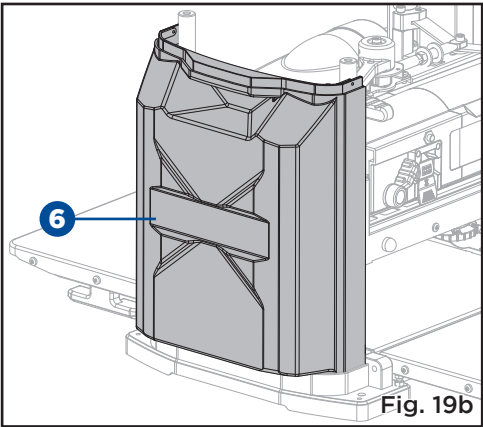
- Replace the tool tray onto the unit.
- Tighten the screws onto the tray.
- Replace the dust chute onto the unit and reattach the dust port to dust chute.
- Tighten the screws onto the dust chute.

REPLACE THE TIMING BELT (Fig. 19a-19f)

- Loosen and remove flower pan head screw M6 x 16 (1). Remove the cutter head adjustment handle (2).
- Remove four hexagon socket flat head screws (3) from the top panel (4) of the planer.
- Remove four round head tapping screws (5) securing the side panels to the top panel (4) of the planer.

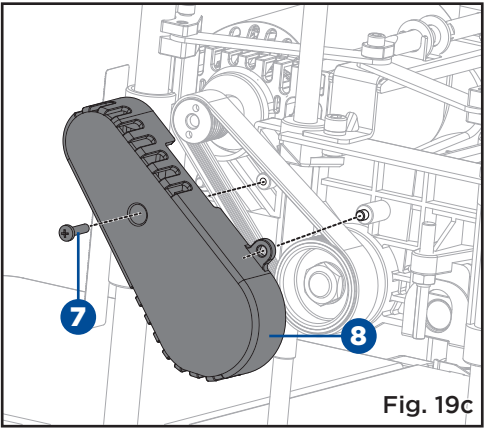


- Lift the side panel (6) (located on the cutter head adjustment handle side) up out of the slot in the base and remove the side panel (6) from the machine.

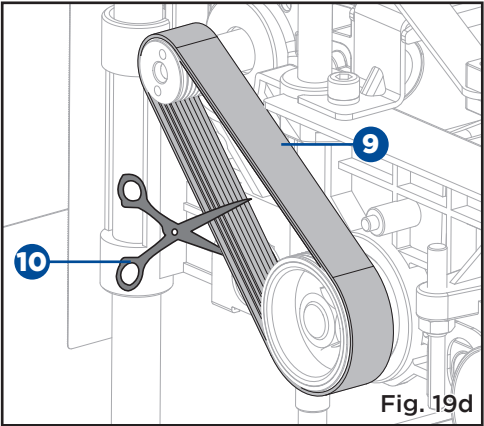


NOTE: No tools are necessary to install a belt. The use of a screwdriver or other tool to pry or stretch a belt may cause damage to the pulleys and ultimately destroy the new belt.

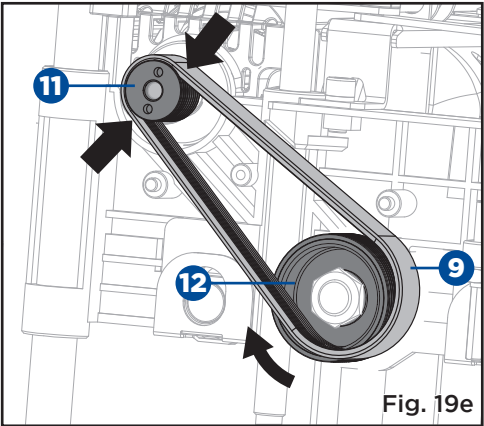
- Loosen the cross-head pan head screw (7), and remove the screw (7) and belt cover (8).



- Cut off the old timing belt (9) with the scissors (10) (not supplied) and remove it.



- Start a new timing belt (9) on the top pulley (11) with the grooves on the top pulley, as shown in Fig. 19e.
- Guide the belt to the lower pulley (12); with grooves engaged on the lower pulley, rotate the lower pulley clockwise. Keep pressure on the edge of the belt to keep the grooves engaged on the top pulley.



- Continue pressure on the side of the belt and rotate the lower pulley while hopping the belt further onto the pulleys.
- All of the belt grooves should be engaged in the final position shown in Fig. 19f and the pulleys should rotate smoothly.
- Replace the belt cover, side panel and top panel. Do not overtighten the screws.

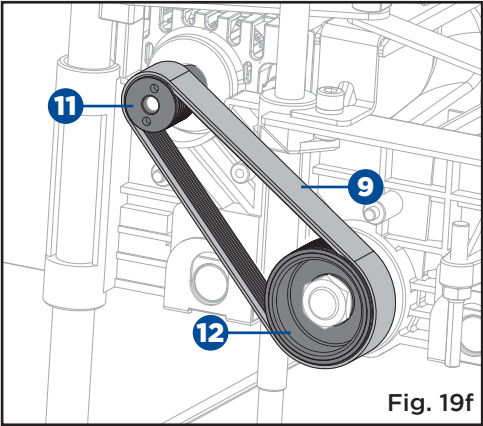


Fig. 19f

LEVELLING THE TABLE EXTENSIONS (Fig. 20a-20b)

- After extended use, the table extensions might become slightly out of level. To ensure that the tables are level, place a straight edge (1) on the table extension (2). The straight edge should contact the edge of the table extension (2) and the main table (3). When levelling, press the edge of the table extensions down to remove any play. For best results, use a level long enough to contact the edges of both table extensions.

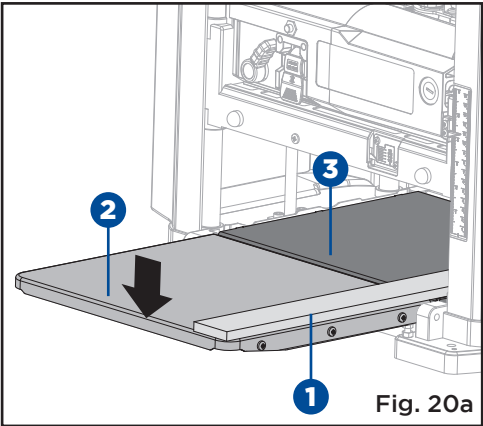


Fig. 20a

NOTE: The outside edges of the extension tables are level with the base while the inside edges (closest to the cutterhead) are below the edge of the base. This is set at the factory to reduce unnecessary friction between the material and the table while providing adequate support at the two points (those farthest from the cutterhead) on the tables that are integral to snipe prevention.

- If the table extensions are not level, loosen the jam nuts (4) and adjust the table extension support bolts (5) up or down.

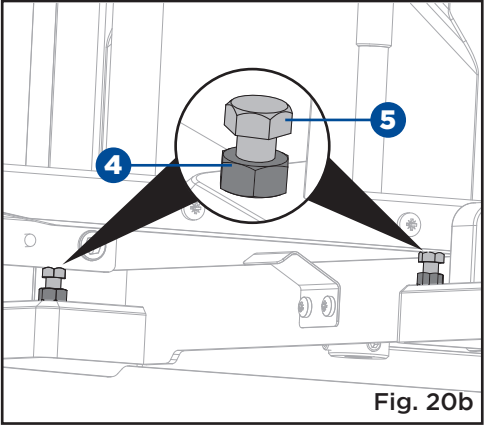


Fig. 20b

BRUSH REPLACEMENT (Fig. 21)

- Externally accessible brush assemblies are located at the right front and the left rear of the planer. These brushes should be inspected every 10 to 15 operating hours for wear. Replace both brushes when either brush has less than 1/4 in. of carbon remaining.
- Unplug the planer.
 - Using a flat-head screwdriver, unscrew the brush cap (1). The brush assembly is spring-loaded (2) and will pop out when you remove the cap.
 - Remove the brush assembly (brush and spring) and inspect for wear. If less than 1/4 in. of carbon remains on brush, replace both brush assemblies. Never replace one side without replacing the other.
 - Install new brush assembly, if required, or reinstall old brush assembly.
 - Replace cap and tighten to secure.

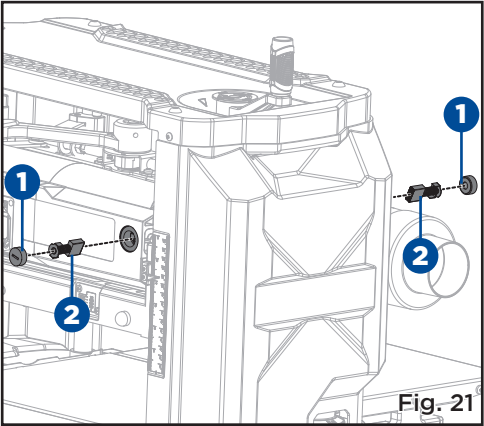


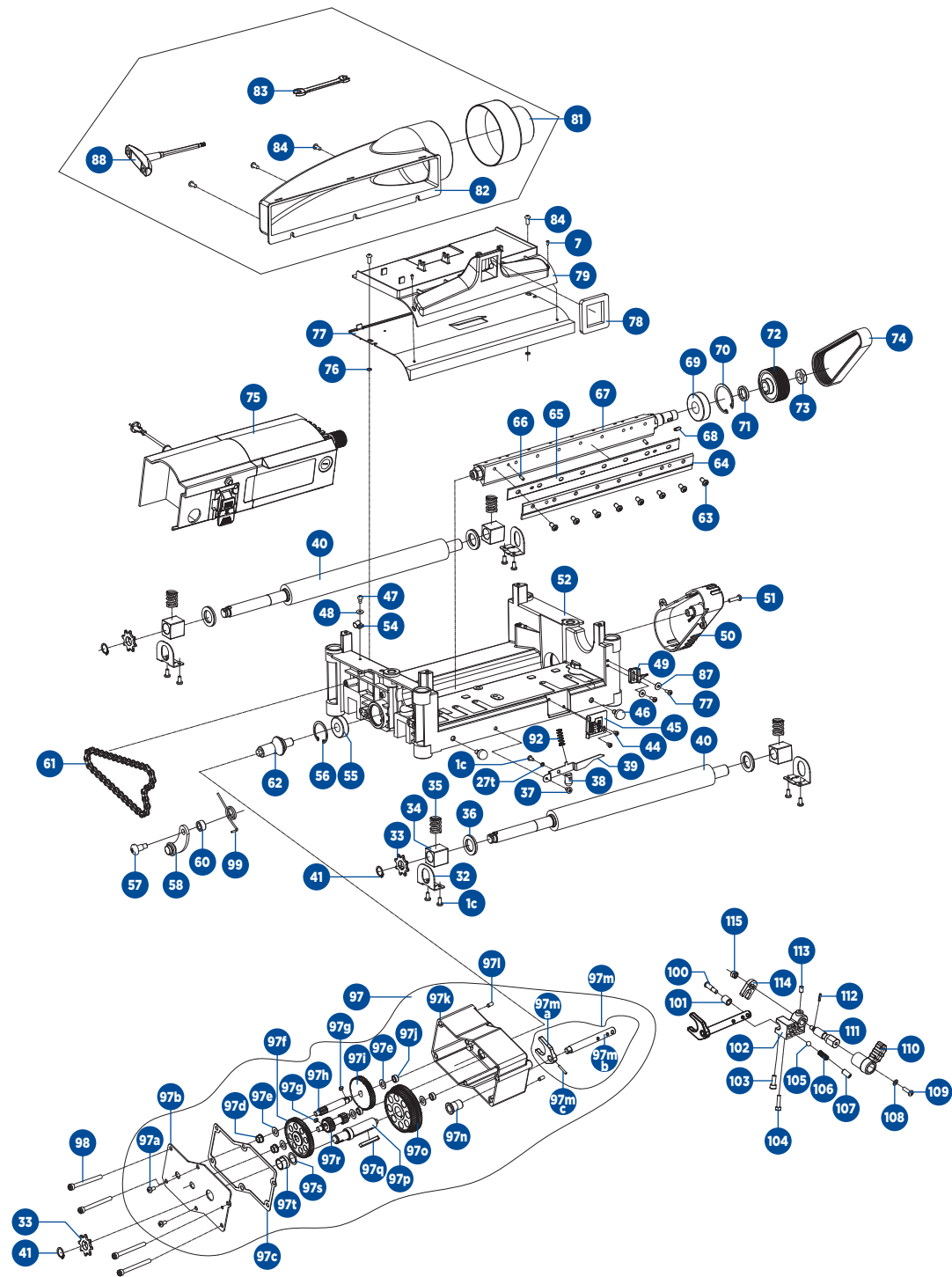
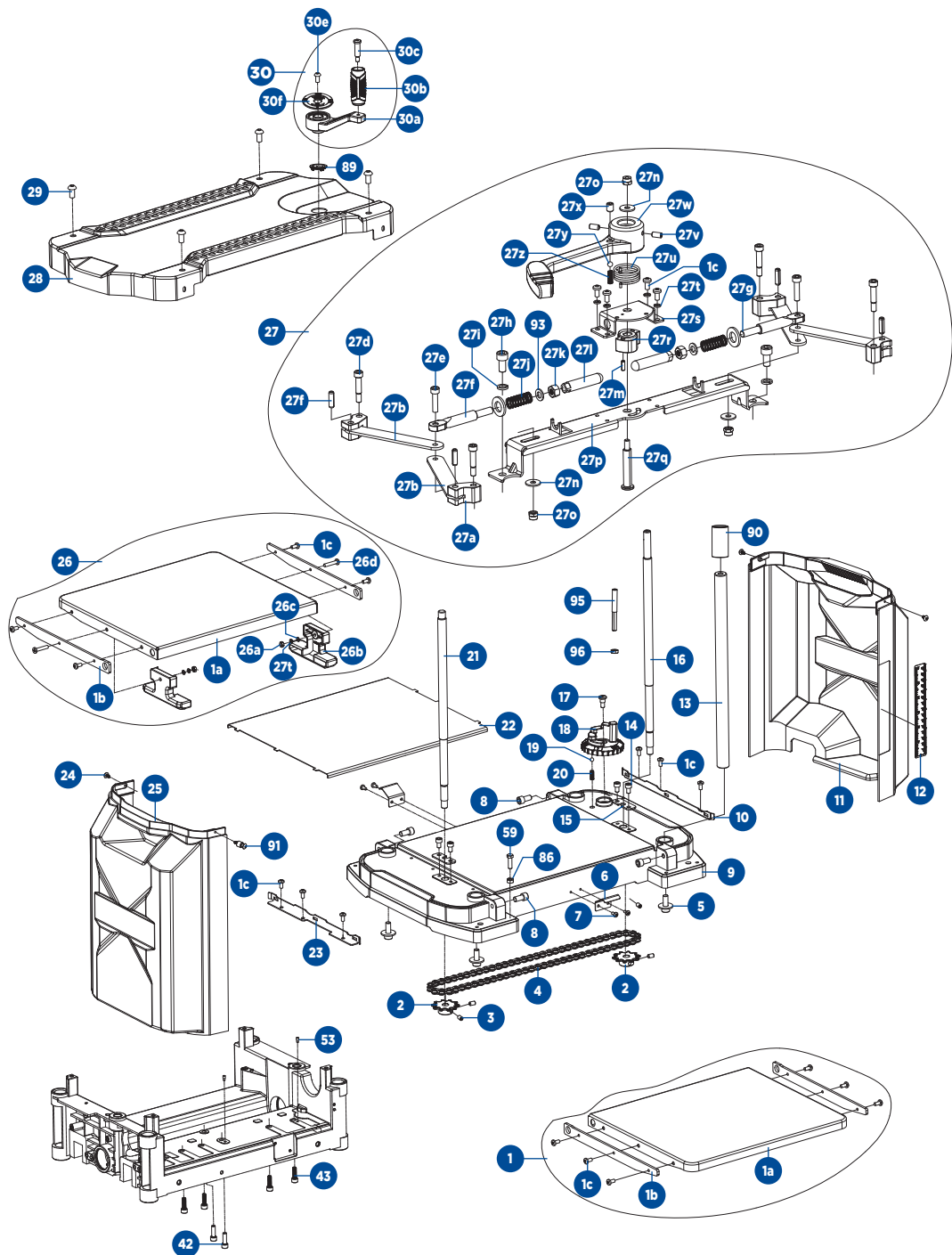
Fig. 21

40 TROUBLESHOOTING

PROBLEM	Possible Causes	Solution
Snipe (depressions at ends of workpiece).	<ul style="list-style-type: none">• Dull cutter blades.• Incorrect butted stock.• Unit not securely mounted.	<ul style="list-style-type: none">• Replace or turn cutter blades.• Butt pieces end-to-end as they are fed into planer.• Tighten lag bolts.
Torn grain.	<ul style="list-style-type: none">• Too deep a blade setting.• Workpiece being fed against grain.• Dull cutter blades.	<ul style="list-style-type: none">• Reduce depth of cut.• Feed other end of board first.• Replace or turn cutter blades.
Fuzzy/rough grain.	<ul style="list-style-type: none">• High wood moisture content.• Dull cutter blades.• Too deep a blade setting.• Incorrect feeding speed.	<ul style="list-style-type: none">• Dry wood before planing.• Replace or turn cutter blades.• Reduce depth of cut.• Check for adequate power supply. Check cord and plug for damage. Check condition of motor brushes.
Uneven depth of cut.	<ul style="list-style-type: none">• Cutter head assembly not level with planer surface.• Unstable roller spring pressure.• Feed roller worn unevenly.	<ul style="list-style-type: none">• Have service performed by an authorized service center.• Have service performed by an authorized service centre.• Have service performed by an authorized service centre.
Board thickness does not match depth scale indicator.	<ul style="list-style-type: none">• Depth scale incorrectly set.• Dirty planing table.	<ul style="list-style-type: none">• Adjust depth scale.• Clean and wax planing table.

PROBLEM	Possible Causes	Solution
Cutter head height difficult to adjust.	<ul style="list-style-type: none">• Dirty elevation spindle.• Worn chain.	<ul style="list-style-type: none">• Clean and lubricate spindle.• Have service performed by an authorized service centre.
Will not start.	<ul style="list-style-type: none">• Not plugged in.• Blown circuit.• Motor failure.• Loose wire.• ON/OFF switch malfunction.• Motor is overloaded.	<ul style="list-style-type: none">• Check power source.• Replace fuse, reset breaker, or call electrician.• Have service performed by an authorized service center.• Have service performed by an authorized service center.• Have service performed by an authorized service center.• Push reset button.
Interrupted operation.	<ul style="list-style-type: none">• Unit overloaded.• Circuit overloaded.	<ul style="list-style-type: none">• Reduce load.• Operate on circuit separate from other appliances or motors or connect to circuit with adequate amp rating.
Cutter head will not lower to plane material.	<ul style="list-style-type: none">• Turret stop setting too high.	<ul style="list-style-type: none">• Lower turret stop setting.

EXPLODE VIEW



EXPLODE VIEW

PARTS LIST

No.	Description	Qty.	No.	Description	Qty.
1	In-feed extension table assembly	1	26b	Plug cable storage	2
1a	In-feed extension table	2	26c	Flat washer 5	2
1b	Table liner	4	26d	Cross-head screw M5 x 25	2
1c	Cross-head screw M5 x 10	29	27	Carriage lock lever assembly	1
2	Chain wheel	2	27a	Lock block	4
3	Hexagon socket set screw M6 x 10	4	27b	Connecting rod	4
4	Chain	1	27c	Elastic cylindrical pin	4
5	Hexagon socket M8 x 25, tooth pad and big flat washer	4	27d	Screw	4
6	Leaf spring	2	27e	Hexagon socket head screw M6 x 25	2
7	Cross-head screw M4 x 8	6	27f	Middle connecting rod	2
8	Rotating screw	4	27g	Flat washer 12	2
9	Base	1	27h	Hexagon socket head screw M8 x 16	2
10	Right side liner	1	27i	Spring washer 8	2
11	Right side panel	1	27j	Spring	2
12	Scale label	1	27k	Hex nut M8	2
13	Upright post	4	27l	Lock top pole	2
14	Hexagon socket head screw M6 x 10	4	27m	Elastic cylindrical pin	1
15	Pressure plate	2	27n	Big flat washer 6	3
16	Active pole	1	27o	Hex lock nut M6	3
17	Screw	1	27p	Fixed plate	1
18	Turret stop	1	27q	Axis of rotation	1
19	Steel ball	1	27r	Two-way cam	1
20	Compression spring	1	27s	Cam fixed plate	1
21	Driven pole	1	27t	Spring washer 5	7
22	Main table	1	27u	Torsion spring	1
23	Left side liner	1	27v	Hexagon socket head screw M6 x 12	2
24	Screw ST4 x 8	4	27w	Lock lever	1
25	Left side panel	1	27x	Hexagon socket head screw M8 x 8	1
26	Out-feed extension table assembly	1	27y	Steel ball	1
26a	Hex nut M5	2	27z	Compression spring	1
			28	Top panel	1

No.	Description	Qty.	No.	Description	Qty.
29	Hexagon socket flat head screws M8 x 16	4	55	Bearing	1
30	Cutter head adjustment handle assembly	1	56	Retaining ring	1
30a	Adjustment handle	1	57	Fixed screw	1
30b	Straight handle	1	58	Sprocket tensioner assembly	1
30c	Screw	1	59	Hex bolt M6 x 20	4
30d	Flower pan head screw M6 x 16	1	60	Sleeve	1
30e	Dial	1	61	Chain	1
32	Oil bearing pressure plate	4	62	Gear shaft	1
33	Short sprocket	3	63	Hexagon socket pan head screws M6 x 12	24
34	Oil bearing	4	64	Knife clamp	3
35	Compression spring	4	65	Knife	2
36	Graphite nylon pad assembly	4	66	Positioning pin 4 x 10	6
37	Screw	1	67	Knife axis	1
38	Top pole	1	68	Flat key	1
39	Material removal depth pointer	1	69	Bearing	1
40	Roller assembly	2	70	Retaining ring	1
41	Circlip for shaft	3	71	Sleeve	1
42	Hexagon socket head screw M6 x 20 and spring washer	2	72	Lower pulley	1
43	Screw 6 x 20 with spring	4	73	Hexagon thin nuts	1
44	Cross-head screw	2	74	Timing belt	1
45	Material removal depth scale	1	75	Motor	1
46	Cushion	2	76	O-ring	2
47	Cross-head screw M4 x 10	3	77	Dust hood assembly	1
48	Big flat washer 4	1	78	Sponge mat	1
49	Pointer	1	79	Tool tray	1
50	Belt cover	1	81	Dust port	1
51	Cross-head screw M5 x 20	3	82	Dust chute	1
52	Machine body	1	83	Open-end wrench	1
53	Motor positioning pin	2	84	Hexagon socket pan head screws M6 x 12	5
54	Wire clip	1	86	Hex nut M6	4
			87	Flat washer 4	2

No.	Description	Qty.	No.	Description	Qty.
88	T-wrench	1	97n	Shaft sleeve	1
89	Sleeve	1	97o	Double gear	1
90	Limit sleeve	2	97p	Output shaft	1
91	Fixed screw	1	97q	Flat key	1
92	Pointer reset spring	1	97r	Gear shaft	1
93	Flat washer 8	2	97s	Friction pad	1
95	Limit pole	1	97t	Oil bearing	1
96	Hex nut M8	2	98	Hexagon socket head screw M6 x 85	4
97	Gearbox assembly	1	99	Torsion spring	1
97a	Cross-head screw M5 x 10	2	100	Screw	1
97b	Gearbox cover	1	101	Sleeve	1
97c	Gasket	1	102	Support	1
97d	Oil bearing	2	103	Hexagon socket head screw M6 x 16	1
97e	Friction pad	5	104	Hexagon socket head screw M5 x 20	1
97f	Gear	1	105	Steel ball	1
97g	Flat key	2	106	Compression spring	1
97h	Gear shaft	1	107	Hexagon socket set screw M8 x 8	1
97i	Gear	1	108	Flat washer 5	1
97j	Oil bearing	3	109	Cross-head screw M5 x 16	1
97k	Gearbox	1	110	Two-speed knob	1
97l	Limit pin	2	111	Shaft	1
97m	Fork assembly	1	112	Elastic cylindrical pin	1
97ma	Fork	1	113	Hexagon socket set screw M6 x 10	1
97mb	Fork shaft	1	114	Pawl	1
97mc	Elastic cylindrical pin	1	115	Hex lock nut M6	1

5-Year Limited Warranty

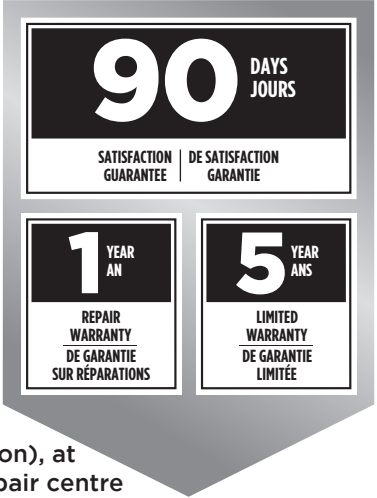
This MAXIMUM product is guaranteed for a period of 5 years from the date of original retail purchase against defects in workmanship and materials only and is subject to the following components:

- a) Component A: The carrying case is guaranteed for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.
- b) Component B: Accessories, including drill bits and saw blades, do not carry a warranty.

Subject to the conditions and limitations described below, this product, if returned to us with proof of purchase within the stated warranty period and if covered under this warranty, will be repaired or replaced (with the same model, or one of equal value or specification), at the sole discretion of the Maximum Canada authorised repair centre ("Service Provider"). We will bear the cost of any repair or replacement and any costs of labour relating thereto.

These warranties are subject to the following conditions and limitations:*

- a) a bill of sale verifying the purchase and purchase date must be provided;
- b) defects in workmanship and material to be assessed and determined by the Service Provider;
- c) this warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, neglect or lack of proper installation, operation or maintenance (as outlined in the applicable owner's manual or operating instructions);
- d) this warranty does not apply to normal wear and tear or to expendable parts or accessories (including drill bits and saw blades) that may be supplied with the product that by their nature have a limited life span and are expected to become inoperative or unusable after a reasonable period of use;
- e) this warranty will not apply to routine maintenance and consumable items such as, but not limited to, fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, rubber o-rings, tune-ups or adjustments;
- f) this warranty excludes the following components that may accompany your product:
 - (1) The carrying case, which is only for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.
 - (2) Accessories, including drill bits and saw blades, which do not carry a warranty of any kind.
- g) this warranty will not apply where damage is caused by repairs made or attempted by others ((i.e., persons not authorized by the manufacturer), and any such unauthorized repairs or attempted repairs shall void this warranty in its entirety;
- h) this warranty will not apply to any parts other than original parts, except to the extent that the retailer or manufacturer or persons authorized by either of them have



- repaired or replaced them;
- i) this warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing);
 - j) this warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons;
 - k) this warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners;
 - l) this warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under that product manufacturer's warranty, if any;
 - m) any products replaced by the retailer in attempt to fulfill warranty obligations is subject to the original product warranty conditions and related time period as initiated by the original date of purchase; if product is purchased in Quebec, the warranty term will be extended for a period equal to the time during which the Quebec retailer possesses the product in attempt to fulfill warranty obligations; replaced product will not default to new product warranty conditions; and
 - n) the retailer and manufacturer's sole obligation and the purchaser's sole remedy under this warranty shall be as set out herein. The warranties contained herein are not transferable and are given only to the purchaser. FURTHER, THE WARRANTIES SET OUT HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, WHETHER EXPRESS, IMPLIED OR STATUTORY (INCLUDING SUCH AS ARISE UNDER THE SALE OF GOODS ACT OR THE INTERNATIONAL SALE OF GOODS ACT), ARISING OUT OF A COURSE OF DEALING OR USAGE OF TRADE OR OTHERWISE, INCLUDING, SUBJECT TO APPLICABLE LAW, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, MERCHANTABLE QUALITY, FITNESS OR ADEQUACY FOR A PARTICULAR PURPOSE OR USE, AND ALL OTHER SUCH WARRANTIES ARE EXPRESSLY DISCLAIMED BY THE RETAILER AND MANUFACTURER.

Additional Limitations

This warranty applies only to the original purchaser and may not be transferred.

This warranty applies for a period of 5 years from the date of original retail purchase, as indicated on the bill of sale.

Neither the retailer, Maximum Canada, nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential or exemplary damages arising in connection with the sale, use or inability to use this product.

Under no circumstances shall the retailer, Maximum Canada, or manufacturer be liable to the purchaser for any claim for (a) indirect, special, punitive, incidental, exemplary, or consequential damages, (b) compensation for loss of profits, anticipated revenue, savings or goodwill, or other economic loss of the purchaser, (c) exemplary, aggravated or punitive damages howsoever incurred, (d) contribution or set-off in respect of any claims against the purchaser, (e) any damages whatsoever relating to third party products or services or the purchaser's materials, or (f) any damages whatsoever relating to

interruption, delays, errors or omissions; in each case under any theory of law or equity, arising out of or in any way related to this warranty, even if advised of the possibility thereof. Notwithstanding any provision herein or entitlement of the purchaser at law, in equity or otherwise, in no event shall the liability of the retailer or manufacturer under this warranty, whether in contract, tort, product liability or otherwise, exceed, in the aggregate, the amount paid by the purchaser to the retailer for the product to which this warranty applies.

***Notice to Consumer**

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

In addition to the 5-Year Limited Warranty, this MAXIMUM product is covered by our:

1-Year Repair Warranty

Maximum Canada will maintain this product and replace critical parts which have worn beyond reasonable use through normal use of such product, any time during the first year after purchase.

The following are excluded from this 1-Year Repair Warranty:

- a) Missing or damaged parts or components that are a result of abuse or misuse;
- b) Any wear and tear to non-critical parts or accessories that do not affect the core function of the product.

90-Day Satisfaction Guarantee

If you are not completely satisfied with the performance of your MAXIMUM product for any reason, you can return it within 90 days from the date of purchase with proof of purchase for exchange or a full refund.

Made in China

Imported by MAXIMUM Canada Toronto, Canada M4S 2B8