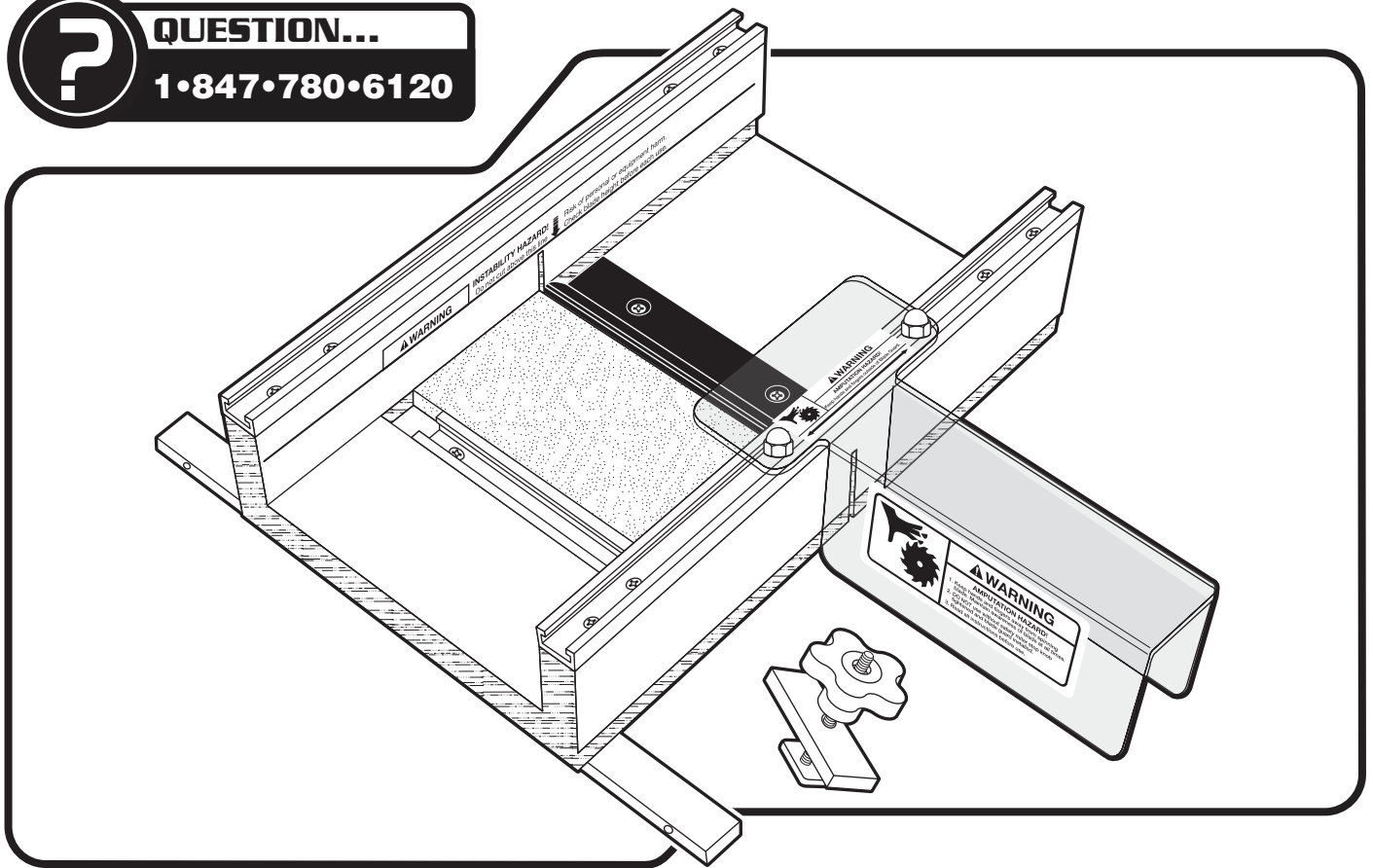


Owner's Manual

POWERTEC®

Table Saw Small Parts Sled

? QUESTION...
1-847-780-6120








Visit us on the web at powertecproducts.com



You will need this manual for safety instructions, operating procedures, and warranty. Put it and the original sales invoice in a safe, dry place for future reference.

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WARNING

For your own safety, read all of the rules and precautions before operating tool.

WARNING

Always follow proper operating procedures as defined in this manual even if you are familiar with use of this table saw small parts sled or any tool used with this table saw small parts sled. Remember that being careless for even a fraction of a second can result in severe personal injury.

Before using another tool with this product, always read, understand and follow the instructions and safety warnings in the owner's manual for that tool. If you do not have the owner's manual, obtain one from the tool's manufacturer before using it with this product.

You must be familiar with the use of any tool or accessory used with this table saw small parts sled. The supplier cannot be held responsible for any accident, injury or damage incurred while using this table saw small parts sled with any tool.

It is the responsibility of the purchaser of this product to ensure that any person using this product reads and complies with all instructions and safety precautions outlined in this manual and the operating manual of the tool being used prior to use.

WARNING

Some dust created by operation of power tool contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. To reduce your exposure to these chemicals, work in a well ventilated area and work with approved safety equipment. Always wear OSHA/NIOSH approved, properly fitting face mask or respirator when using such tools.

CAUTION

Do not modify or use this table saw small parts sled for any application other than that for which it was designed.

FOLLOW ALL STANDARD SHOP SAFETY PRECAUTIONS, INCLUDING:

- Keep children and visitors at a safe distance from work area.
- Keep work area clean. Cluttered work areas invite accidents. Work area should be properly lit.
- Do not use power tools in dangerous environments. Do not use power tools in damp or wet locations. Do not expose power tools to rain.
- TURN OFF AND UNPLUG all power tools BEFORE making any adjustments or changing accessories.
- Be alert and think clearly. Never operate power tools when tired, intoxicated or when taking medications that cause drowsiness.
- Wear proper apparel. Do not wear loose clothing, gloves, neckties, rings, bracelets or other jewelry which may get caught in moving parts of the tool.
- Wear protective hair covering to contain long hair.
- Wear safety shoes with non-slip soles.
- Wear safety glasses complying with United States ANSI Z87.1. Everyday glasses have only impact resistant lenses. They are NOT safety glasses.
- Wear face mask or dust mask if operation is dusty.
- A guard or any other part that is damaged should be properly repaired or replaced. Do not perform makeshift repairs.
- Use safety equipment such as featherboards, push sticks and push blocks, etc., when appropriate.
- Maintain proper footing at all times and do not overreach.
- Do not force woodworking tools.

CAUTION

Think safety! Safety is a combination of operator common sense and alertness at all times when tool is being used.

WARNING

Do not use the table saw small parts sled until it is completely assembled and you have read and understood this entire operating manual and the operating manual of the tool being used with this table saw small parts sled.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



SPECIFIC SAFETY WARNINGS

DANGER

- To avoid serious injury, keep hands out of the path of the spinning blade. Maintain awareness of the blade at all times.
- Always turn off and unplug the saw when making any adjustments

WARNING

- **The table saw small parts sled is intended for use on table saws with a 3/4" x 3/8" miter slot.** Use of sled with an improperly sized miter track may result in sliding, binding and/or injury.
- To be used with tables saws where the inside miter slot is over 2-1/2" from the blade.
- Do not operate sled WITHOUT plastic blade guard installed.
- Keep hands and fingers to the outside of the blade guard and away from rotating blade to avoid risk of serious injury.
- Prior to use, remove the table saw blade guard and riving knife. ALWAYS reinstall both after completing use of the sled.
- DO NOT use the sled without the safety miter stop inserted into the table saw's miter track and the knob tightened.
- The safety miter stop MUST be positioned in front of the sled so the sled STOPS in the miter track BEFORE it moves forward and exposes the blade beyond the sled's plastic blade guard.
- The blade height should be set at no more than 2" above the surface of the saw's table to keep the saw blade from contacting the aluminum T-track on the fences.
- Do not use the sled to cut stock pieces greater than 1" thick or more than 5-1/2" wide.
- Failure to maintain downward pressure could allow the sled to lift out of track, resulting in kickback and serious injury.
- Only use for straight 90 ° cuts.
- STOP USING the small parts sled IMMEDIATELY if any component develops a crack or other sign of the loss of structural integrity.

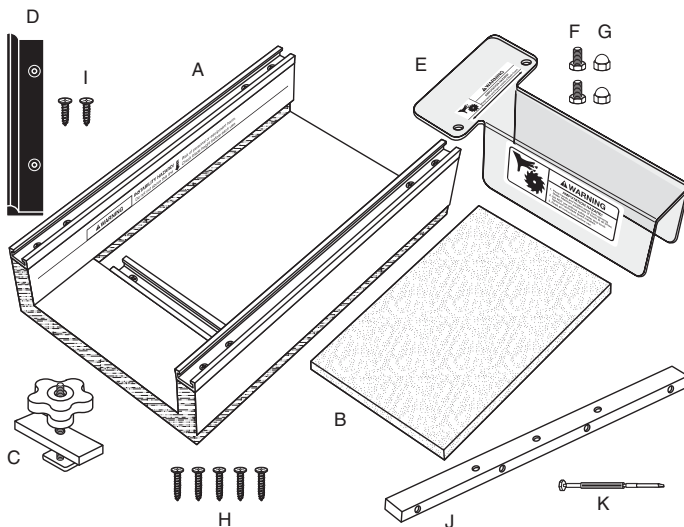
UNPACKING

Refer to Figure 1

Check for shipping damage. Check immediately whether all parts and accessories are included.

ITEM	DESCRIPTION	QTY
A	Sled body	1
B	MDF Zero clearance insert	1
C	Safety miter stop assembly (miter stop plate, 5/16"-18 x 2" special screw and star knob)	1
D	Drop off ramp	1
E	Blade guard	1
F	1/4"-20 x 1/2" hex bolts	2
G	1/4"-20 acorn hex nuts	2
H	#8 x 3/4" flat-head screws	5
I	#8 x 1/2" flat-head screws	2
J	Miter bar	1
K	Small screwdriver	1

Figure 1



WARNING

Do not use the table saw small parts sled until it is completely assembled and you have read and understood this entire operating manual and the operating manual of the tool being used with this table saw small parts sled.

ASSEMBLY AND SET UP

Refer to Figure 2-11

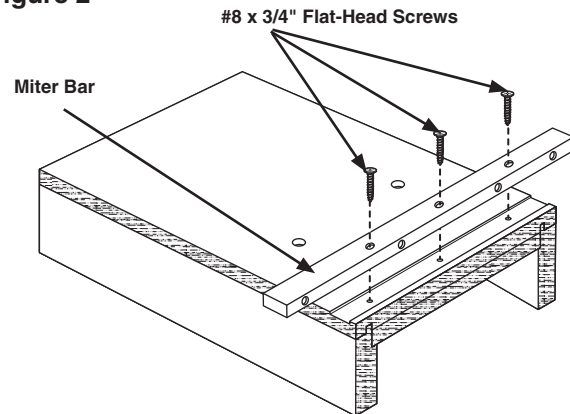
DANGER

- Always turn off and unplug the saw when making any adjustments
- To avoid serious injury, keep hands out of the path of the spinning blade. Maintain awareness of the blade at all times.

- Keep hands and fingers to the outside of the blade guard and away from rotating blade to avoid risk of serious injury.
- Prior to use, remove the table saw blade guard and riving knife. ALWAYS reinstall both after completing use of the sled.

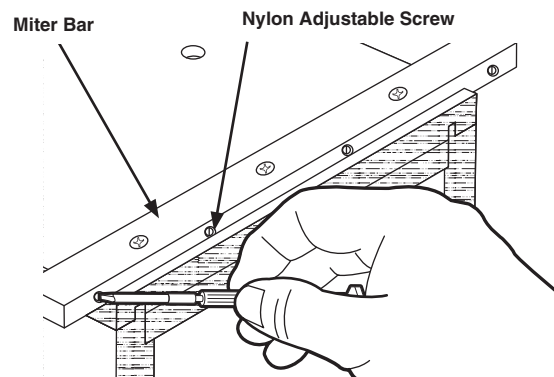
1. Turn the saw OFF and retract the saw's blade below the table surface.
2. Assemble the miter bar to the sled body.
 - a. Place the miter bar into the slot on the underside of the sled, insert the three #8 x 3/4" flat-head screws and tighten. See Figure 2.

Figure 2



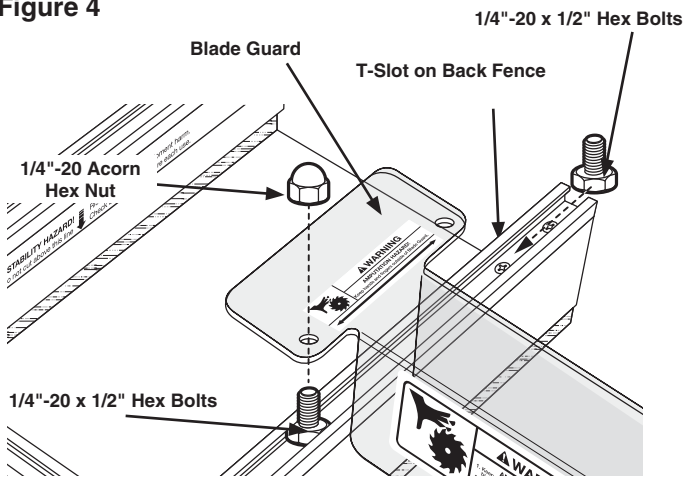
3. Place the miter bar on the small parts sled into the left miter slot of the table saw and slide it to evaluate the fit. The small parts sled should slide easily but not shift side to side. If adjustments are needed:
 - a. Remove the small parts sled and use a small screwdriver (supplied) to adjust the nylon adjustable screws. Make necessary adjustments until the small parts sled slides easily but does not shift side to side.

Figure 3



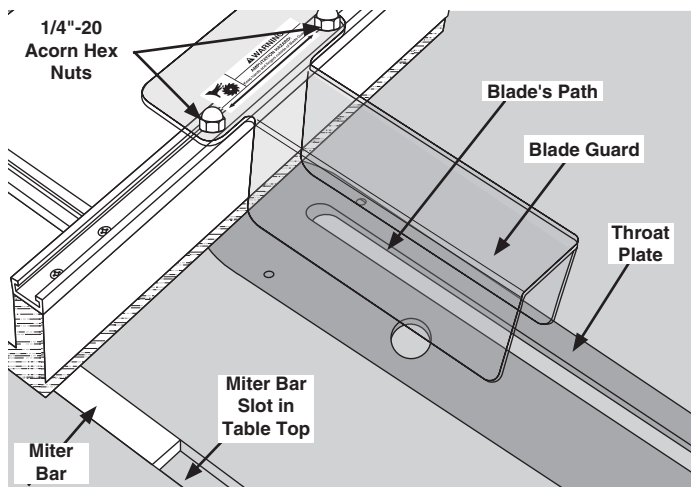
4. Position the sled body at the front of the saw's table.
5. Install the blade guard.
 - a. Slide the hex bolts into the T-Slot in the top of the back fence.
 - b. Place the blade guard onto the 1/4"-20 x 1/2" hex bolts and secure with the 1/4"-20 acorn hex nuts. **DO NOT** tighten.

Figure 4



- c. Position the blade guard with the rear channel centered over the blades path. Use the slot in the table saw's throat plate as a guide.
- d. Tighten the 1/4"-20 acorn hex nuts to lock the blade guard in place.

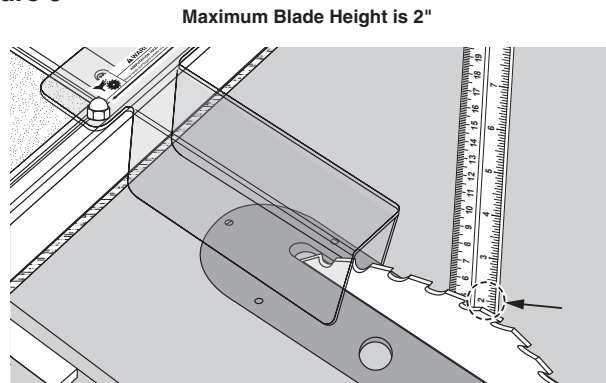
Figure 5



Slide the sled body out of the way of the saw blade.

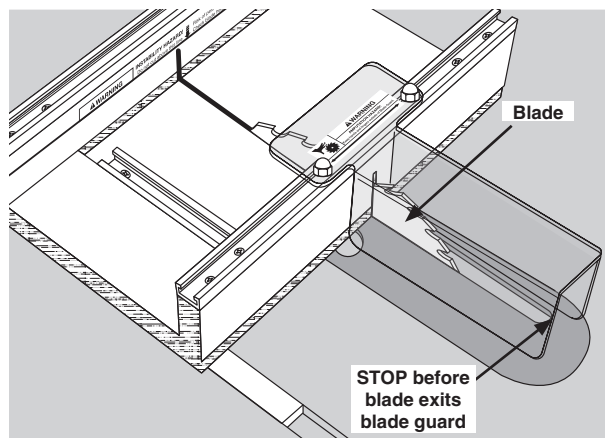
6. Install and set the safety miter stop
 - a. Make sure the saw is turned OFF, raise the saw blade and set the blade height. **NOTE:** The blade height should be set at no more than 2" above the surface of the saw's table. Use a steel ruler or tape to set the correct maximum blade height.

Figure 6



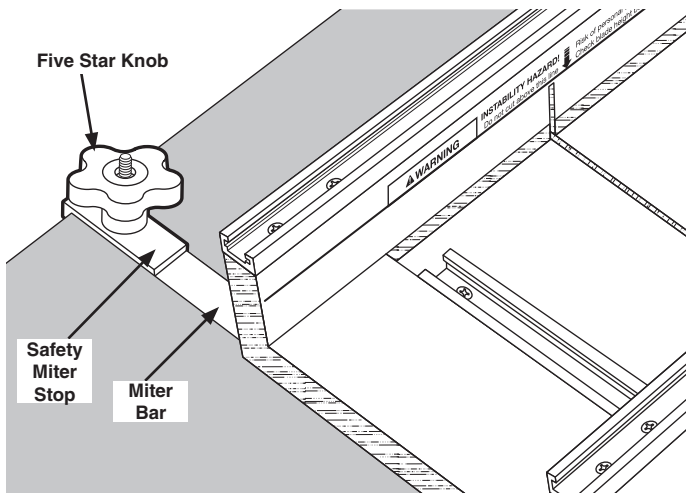
- b. Position the sled at the front of the saw table and clear of the blade. Turn the saw ON and push the sled body through the blade and STOP before the blade emerges from the back of the plastic blade guard.

Figure 7



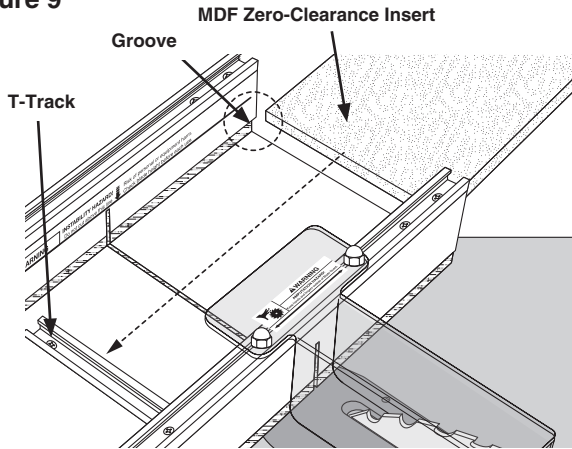
- c. Leave the blade raised, turn OFF and unplug the saw. Slide the safety miter stop into the table's miter slot at the back of the table until it contacts the sled's miter bar. Tighten the knob securely. **IMPORTANT:** The safety miter stop **MUST** be positioned to stop the sled before the blade emerges from the back of the plastic blade guard, exact positioning depends on the specific dimensions of the table saw.

Figure 8



7. Install the MDF zero-clearance insert
 - a. Return the sled body to the starting point at the front of the saw and remove it from the miter slot. Insert the MDF zero-clearance in to the grooves in the sled body fences and slide it until it contacts the T-Track.

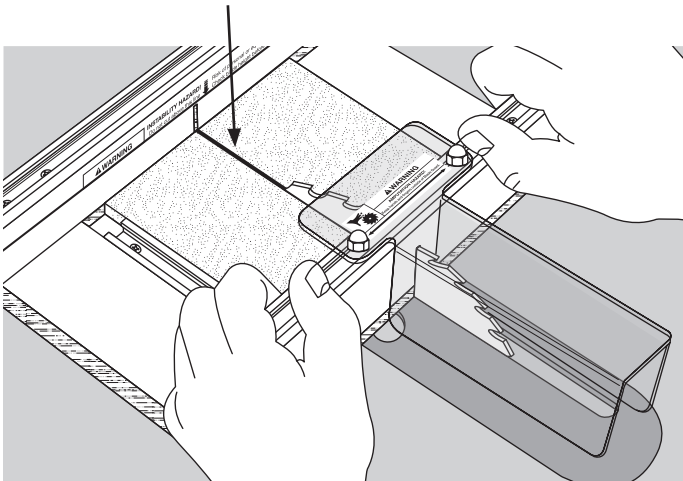
Figure 9



- b. Turn the sled body over. Drive two #8 x 3/4" flat-head screws through the pre-drilled holes in the underside of the sled body and secure the MDF zero-clearance insert in place. **NOTE:** If the pre-drilled holes were cut through earlier because of the saw's miter slot position, new holes will need to be drilled into the sled body.
- c. Place the sled back on to the saw table, position it to the front of the saw, clear of the blade.
- d. Turn the saw ON and push the sled through the blade until it cuts through the MDF zero-clearance insert.
- e. Turn the saw OFF, allow the blade to come to a complete STOP, remove the off-cut piece of the MDF Zero-Clearance Insert and discard, it is not needed.

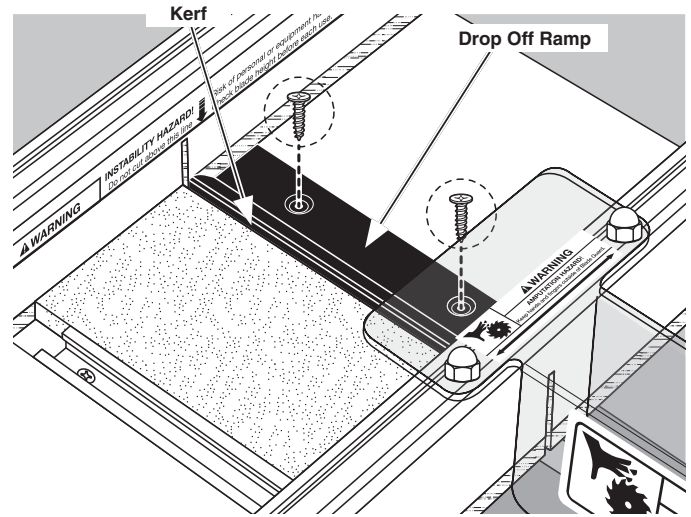
Figure 10

Cut MDF Zero-Clearance Insert



8. Place the drop-off ramp in position on the sled, opposite the MDF zero-clearance insert, with the flat edge aligned with the kerf made by the saw blade. If desired, drill pilot holes and secure the drop-off ramp in place with the two #8 x 1/2" flat-head screws.

Figure 11





USE

Refer to Figure 12

▲ DANGER

- To avoid serious injury, keep hands and fingers out of the path of the spinning blade. Maintain awareness of the blade at all times.
- Always turn off and unplug the saw when making any adjustments

▲ WARNING

- DO NOT operate the sled without the safety miter stop inserted into the table saw's miter track and the knob tightened securely.
- DO NOT operate sled without plastic blade guard installed.
- Keep hands and fingers to the outside of the blade guard and away from rotating blade to avoid risk of serious injury.
- Prior to use, remove the table saw blade guard and riving knife. ALWAYS reinstall both after completing use of the sled.
- Use on table saws with a 3/4" x 3/8" miter slot. Use of sled with an improperly sized miter track may result in serious injury.
- Failure to maintain downward pressure could allow the sled to lift out of track, resulting in kickback and serious injury.
- The sled's maximum cutting capacity is no more than 1" thick and 5-1/2" wide.

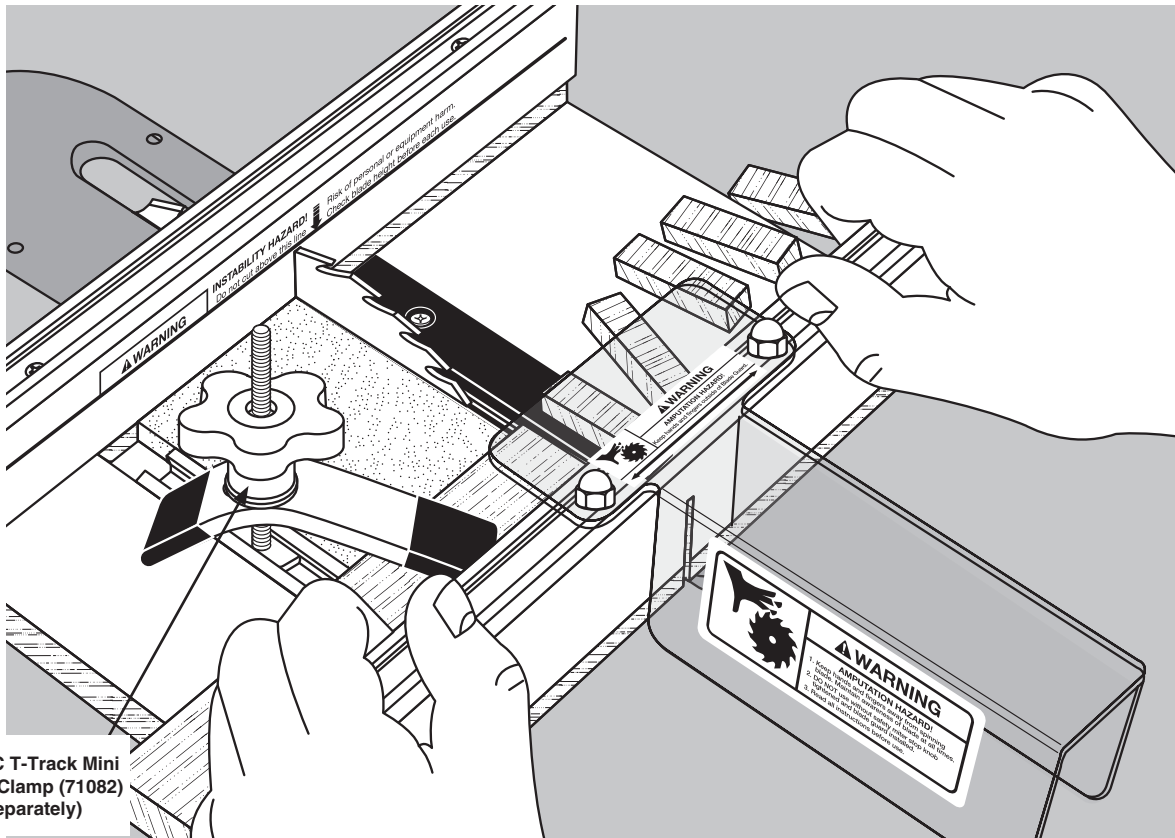
1. Remove the riving knife and blade guard from the table saw.
2. Before each use (with the saw turned OFF), make sure the sled body will slide in the miter track and the blade height is set to no more than 2".
3. Pull the sled body to the front of the saw, position the workpiece against the back fence and align the cut mark with the edge of the saw kerf. Hold the workpiece securely with the left hand or use a hold-down clamp (sold separately) in the T-track on the left side of the blade.
4. Turn the saw ON. Position the right hand on the sled, making sure the hand and fingers are to the right of the blade guard and the left hand is to the left of the blade guard. Push the sled forward to make the cut and stop when the safety miter stop is contacted.
5. If making repeat cuts, the sled can be pulled back to the starting point while the saw is still running, ONLY IF:
 - The off-cut piece has fallen away and WILL NOT contact the blade. If it has NOT fallen away, turn the saw OFF and wait for the blade to stop spinning before removing the off-cut and retracting the sled; and
 - The stock to the left of the blade has not shifted; and
 - Downward pressure is maintained on the sled while pulling it back to prevent the miter bar on the sled body from slipping out of the saw's miter slot.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

▲ WARNING

After using the table saw small parts sled ALWAYS reinstall the riving knife and guard on table saw.

Figure 12



POWERTEC T-Track Mini
Hold-Down Clamp (71082)
(sold separately)



GENERAL MAINTENANCE

WARNING

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician.

WARNING

Keep the table saw small parts sled dry, clean, and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum based products or any strong solvent to clean the table saw small parts sled. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.



Thank you for investing in a **POWERTEC** power tool. This product has been designed and manufactured to meet high quality standards and is guaranteed for domestic use against defects in workmanship or material for a period of 12 months from the date of purchase. This guarantee does not affect your statutory rights.

SOUTHERN TECHNOLOGIES LLC. BENCH TOP AND STATIONARY POWER TOOL LIMITED 1 YEAR WARRANTY AND 30-DAY SATISFACTION GUARANTEE POLICY

POWERTEC products are designed and manufactured by **Southern Technologies LLC**. All warranty communications should be directed to **Southern Technologies LLC** by calling 847-780-6120, 9 AM to 5 PM, Monday through Friday, US Central Time.

30- DAY SATISFACTION GUARANTEE POLICY

During the first 30 days after the date of purchase, if you are dissatisfied with the performance of this **POWERTEC** tool for any reason, you may return the tool to the retailer from which it was purchased for a full refund or exchange. You must present proof of purchase and return all original equipment packaged with the original product. The replacement tool will be covered by the limited warranty for the balance of the one year warranty period.

LIMITED ONE YEAR WARRANTY

This warranty covers all defects in workmanship or materials in this **POWERTEC** tool for a one year period from the date of purchase. This warranty is specific to this tool. **Southern Technologies, LLC** reserves the right to repair or replace the defective tool, at its discretion.

HOW TO OBTAIN SERVICE

To obtain service for this **POWERTEC** tool you must return it, freight prepaid, to **POWERTEC**. You may call 847-780-6120 for more information. When requesting warranty service, you must present the proof of purchase documentation, which includes a date of purchase. **POWERTEC** will either repair or replace any defective part, at our option at no charge to you. The repaired or replacement unit will be covered by the same limited warranty for the balance of one year warranty period.

WHAT IS NOT COVERED

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

This warranty does not cover consumable items such as saw blades, knives, belts, discs, cooling blocks and sleeves. This warranty does not cover required service and part replacement resulting from normal wear and tear, including accessory wear.

This warranty does not cover any malfunction, failure or defect resulting from:

- 1) misuse, abuse, neglect and mishandling not in accordance with the owner's manual.
- 2) damage due to accidents, natural disasters, power outage, or power overload.
- 3) commercial or rental use.
- 4) alteration, modification or repair performed by persons not recommended by **POWERTEC**.

DISCLAIMER

To the extent permitted by applicable law, all implied warranties, including warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, are disclaimed. Any implied warranties, that cannot be disclaimed under state law are limited to one year from the date of purchase. **Southern Technologies LLC**. is not responsible for direct, indirect, incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. **Southern Technologies LLC.**, makes no warranties, representations, or promises as to the quality or performance of its power tools other than those specifically stated in this warranty.

NOTE

POWERTEC®

Southern Technologies, LLC
Waukegan, IL 60087