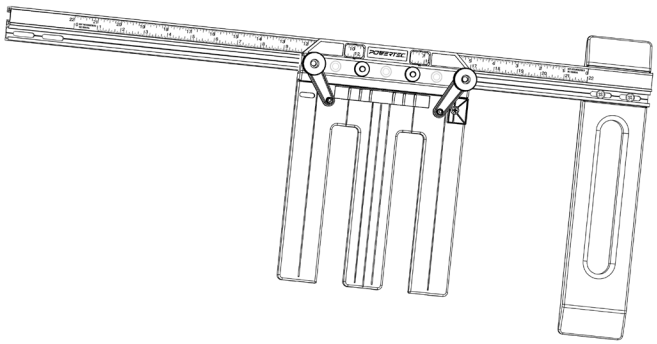
INSTRUCTION SHEET **Model No. 72093**

POWERTEC®

Circular Saw Guide Rail

QUESTION...
1•847•780•6120



WARNING

For your own safety, read and understand all warnings and operating instructions before using any tool or equipment.

- Always keep hands clear of blade, cutter, sanding disc/belt.
- Before making adjustments to the Circular Saw Guide Rail, turn off the power, allow the Circular Saw to come to a complete stop and unplug the machine.
- Ensure screws and knobs are tightened before using.
- To avoid accidental start-up—Make sure machine is in the "OFF" position before plugging in.

WARNING

Some dust created by power sanding, sawing, grinding, drilling and other construction activities can expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

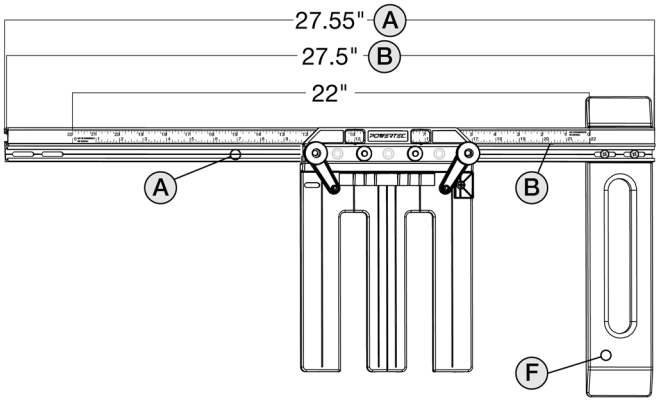
Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

NOTE: *Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area and work with approved safety equipment. Always wear OSHA/NIOSH approved, properly fitting face mask or respirator when using such tools.*

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

SPECIFICATIONS



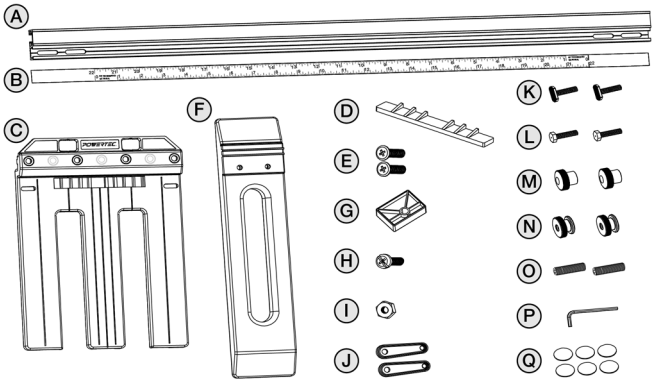
CONTENTS

Examine carton for shipping damage. Check immediately whether all parts and accessories are included. If anything is missing or broken, contact your retailer or call **847-780-6120.**

NOTE: *Carefully remove all contents from shipping carton. The shipping carton contains:*

ITEM	DESCRIPTION	QTY
A	Guide Rail	1
B	Tape Measure	1
C	Sled	1
D	Filler Strip	1
E	Flat Head Cross Screw M5x16	2
F	Edge Guide	1
G	Indexing Stop	1
H	Round Head Cross Screw M5x15	1
I	Hex Nut #10	1
J	Base-plate Clamp	2
K	T-Bolt 1/4"	2
L	Hex Bolt 1/4"	2
M	Round Knob 1/4"	2
N	Knob (small knurled)	2
O	Set Screw M6x20	2
P	Hex Wrench M3	1
Q	Round Pad	6

Figure 1



ASSEMBLY

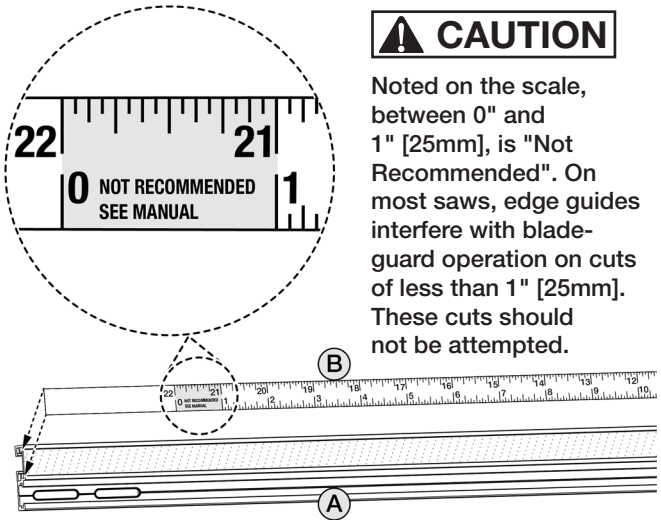
Tools needed (not included):

- Phillips® screwdriver and a square

STEP 1:
Prepare the Guide Rail

- Remove protective strip from Ruler (B) and apply the adhesive side to top of Guide Rail (A).

Figure 2



⚠ CAUTION

Noted on the scale, between 0" and 1" [25mm], is "Not Recommended". On most saws, edge guides interfere with blade-guard operation on cuts of less than 1" [25mm]. These cuts should not be attempted.

- Set Guide Rail (A) onto Edge Guide (F) in either a Right Mount (see Figure 3) or Left Mount (see Figure 4) orientation.
- Align Guide Rail holes to Edge Guide holes.
- Use a square to verify zero mark is even with Edge Guide (F).
- Use M5x16 Cross Screws (E) to secure Guide Rail to Edge Guide with a Phillips screwdriver (not included).

Figure 3 Right Mount

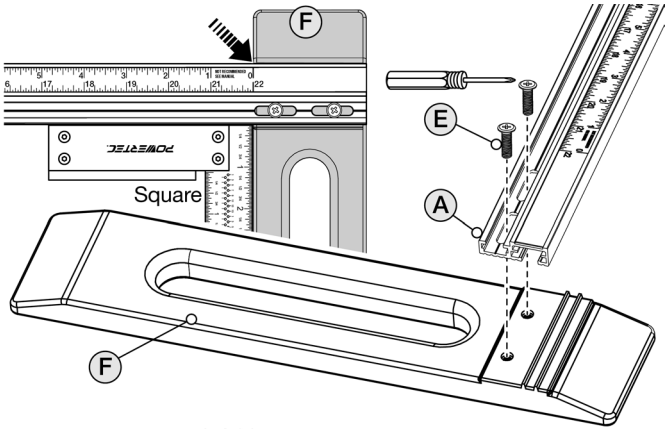
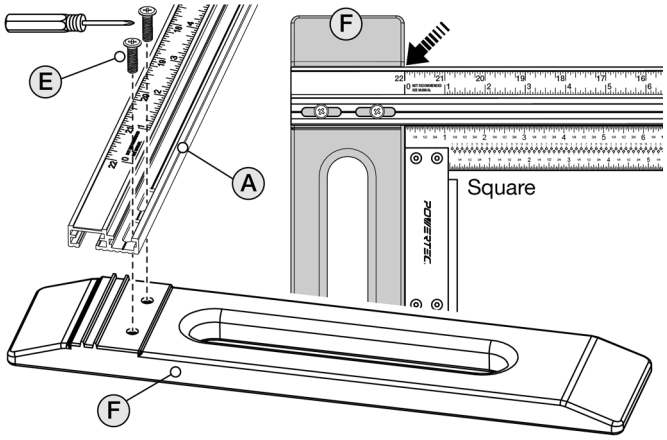


Figure 4 Left Mount

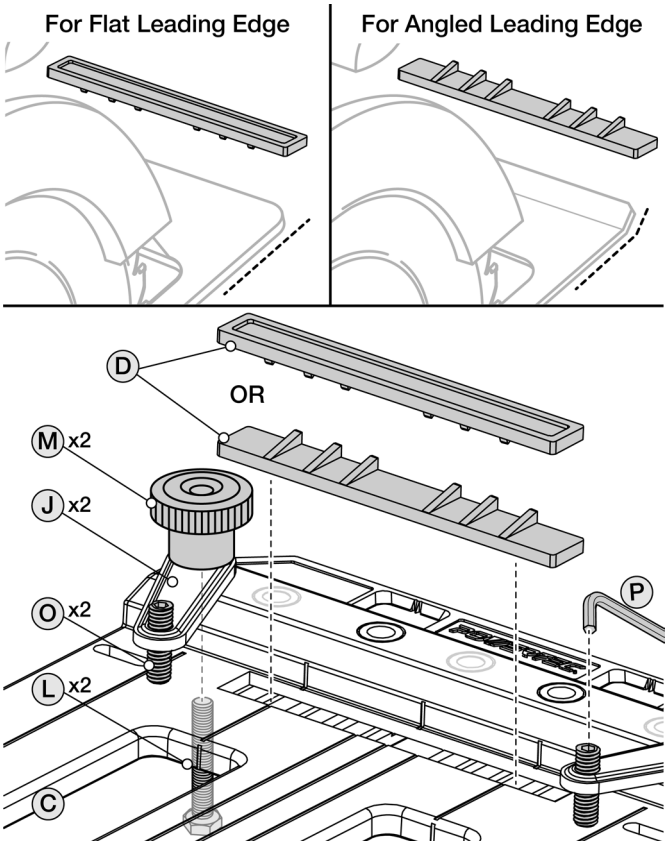


STEP 2:
Prepare the Sled

There are two alternative uses for Filler Strip (D). It is designed with a flat surface on one side and support ribs on the other side.

- **For saw base with a flat leading edge** press Filler Strip (D) into sled recess with ribs facing down.
- **For saw base with an angled leading edge** insert Filler Strip (D) into sled recess with ribs facing up.
- Insert M6x20 Set Screws (O) into the narrow end of Base Plate Clamp (J) and twist into place using Hex Wrench (P).
- From the bottom of Sled (C), insert 1/4" Hex. Bolt (L) through the outside hole, and the hole in the wide end of Base Plate Clamp (J). Secure with Round Knob (M).
- Repeat on the other side.

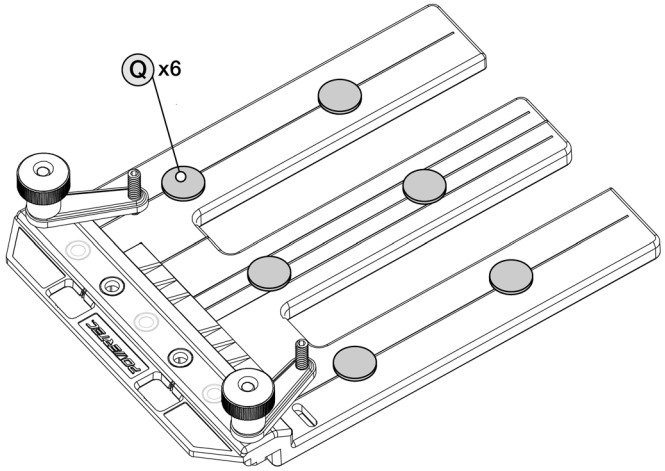
Figure 5



STEP 3:
Insert Round Pads (Q)

- Set 6 ea. Round Pads (Q) in place to help grip and reduce saw vibration.

Figure 6



STEP 4:
Set Saw Onto Sled (saw not included) and Attach Saw Base Indexing Stop (G)

⚠WARNING

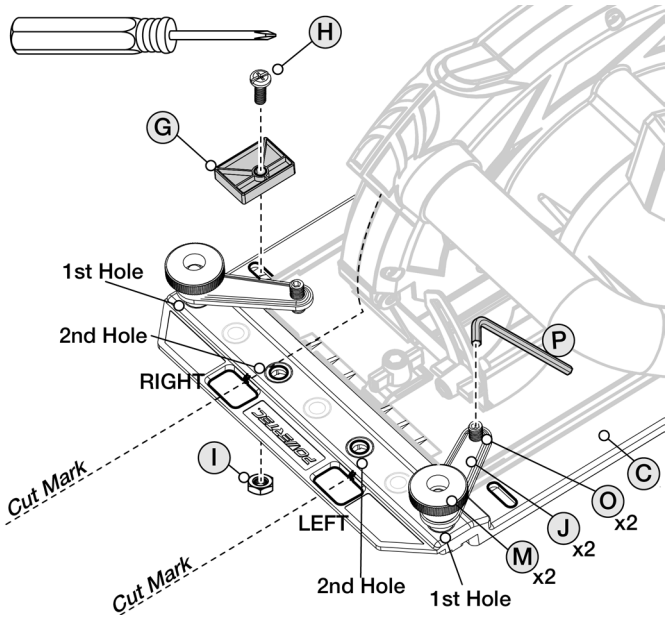
Risk of unintentional start up. To reduce the risk of injury, turn tool switch OFF and always unplug tool before attaching or removing accessories, or making adjustments.

- Position saw on Sled (C) with front of saw's base plate against step at front of Sled.
- **For saws with right-hand blade**, center blade with right blade indexing sled window (shown).
- **For saws with left-hand blade**, center blade with left blade indexing sled window.

NOTE: *To accommodate different saw base-plate designs, Sled has two holes for attaching each Base-plate Clamp (J) to the Sled. For secure clamping, choose holes providing the widest spacing allowed for the saw. Clamps can be set at an angle. Tighten Set Screws (O) onto saw's base plate enough to securely hold saw. Do not over-tighten. Ensure saw-blade guard operates freely.*

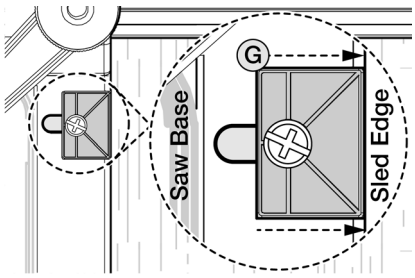
- Position right or left as needed.
- When aligned, secure saw to Sled with Base Plate Clamps (J), Set Screws (O) and Knobs (M). Use Hex Wrench (P) to tighten Set Screws.
- Set Indexing Stop (G) on one side of the saw base. Attach with M5x15 Screw (H) and #10 Hex Nut (I) using a Phillips screwdriver (not included). Do not tighten at this time.

Figure 7



- Indexing Stop (G) should be moved to the outer edge of Sled slot away from saw's base to allow saw positioning.
- Do not tighten at this time.

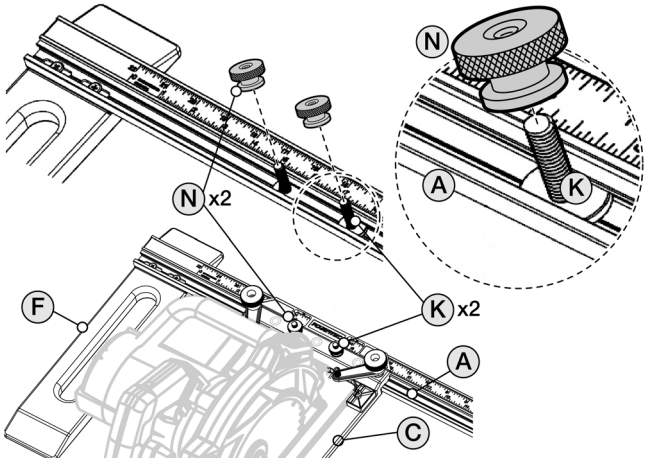
Figure 8



STEP 5:
Slide Sled onto Guide Rail

- Maneuver 1/4" T-Bolts (K) into rail channel.
- With saw clamped to Sled (C), set Sled onto Guide Rail (A) aligning T-bolts with the two available holes in Sled.
- Attach two Knurled Knobs (N). Do not tighten at this time.

Figure 9



STEP 6:
Calibrate Blade Position (see Figure 10)

There are two windows with alignment pointers on the Sled.

- **For right-handed saws**. With saw mounted onto Sled, slide Sled over the top of Edge Guide until right-hand pointer (on Sled) aligns with zero mark on Guide Rail.
- Verify that saw blade tooth touches Edge Guide (outside tooth for right Edge Guide position—inside tooth for left Edge Guide position). Tighten Rail Knobs (N).
- **For left-handed saws**, reverse the tooth positions.
- If necessary, loosen Base Plate Clamps (J) and adjust saw until blade tooth properly touches Edge Guide.

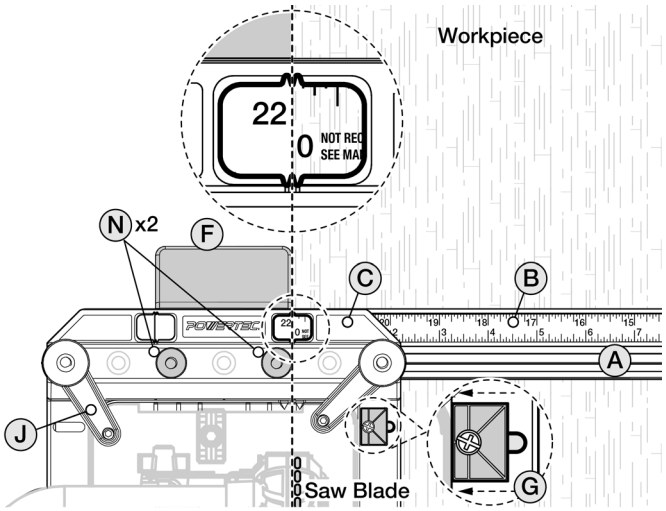
NOTE: *Edge Guide was set to zero position in* **Step 1**.

- When aligned, retighten Base Plate Clamps (J).
- The saw is now calibrated. Slide Indexing Stop (G) until it touches the edge of the saw base and tighten.

NOTE: *This setup allows removal of saw from Sled assembly and re-mounting to the exact same position.*

NOTE: *Set up test cut to narrowest allowable measurement from edge of workpiece to avoid material waste.*

Figure 10



OPERATION

Prepare for Cutting

⚠WARNING

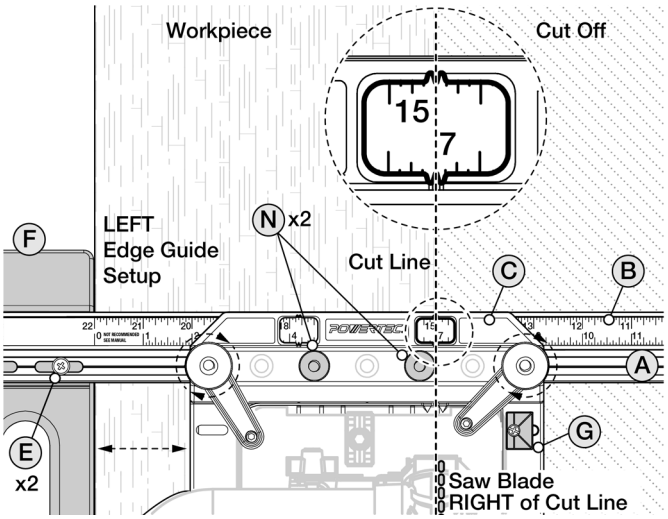
Risk of unintentional start up. To reduce the risk of injury, turn tool switch OFF and always unplug tool before attaching or removing accessories, or making adjustments.

- Completely support workpiece and cutoff. Examples include using 2x4s or 2" [50mm]-thick rigid foam insulation or scrap wood, when cutting flat on the floor or workbench.
- **For best results, and to verify the dimension:** determine width of cut—measure and mark board. (See Figure 11)
- **Set saw's cutting depth:** Adjust depth of cut allowing blade to protrude about 1/8" [3mm] through workpiece during the cut.

NOTE: *Make sure blade depth is set deep enough to cut through workpiece but not through scrap wood.*

- **Set Saw/Sled assembly onto workpiece:** Align Edge Guide (F) to edge of workpiece (right or left depending on setup).
- Slide Saw/Sled along Guide Rail until pointer aligns with the desired measurement on scale. Tighten knobs (N) to secure the saw.
- Double check settings—make sure saw is secure.
- Connect saw to power.

Figure 11



⚠WARNING

Risk of serious personal injury. When making cuts, especially narrow cuts, do not allow hand holding edge guide to contact blade.

- **Start cutting:** Turn on saw and allow blade to power-up before entering workpiece. Carefully push saw forward with one hand on Edge Guide and other hand holding the saw. Press Edge Guide against workpiece edge moving the Edge Guide and saw forward at the same speed throughout the entire cut.
- Turn saw OFF.
- Allow saw blade to come to a complete stop before lifting saw from workpiece.

Figure 12 Setup Example

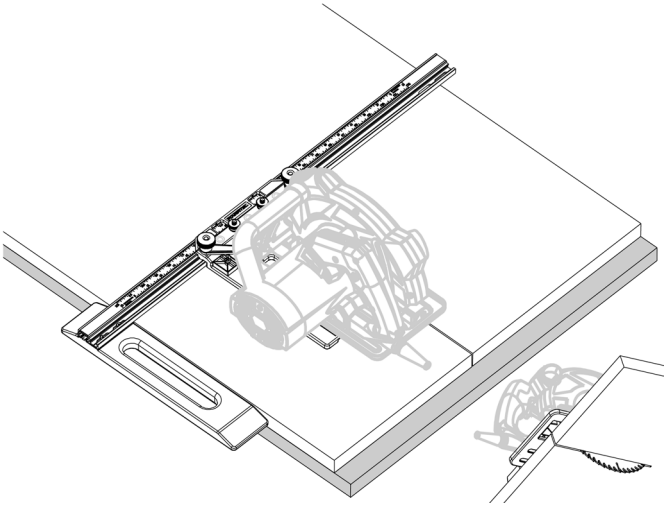
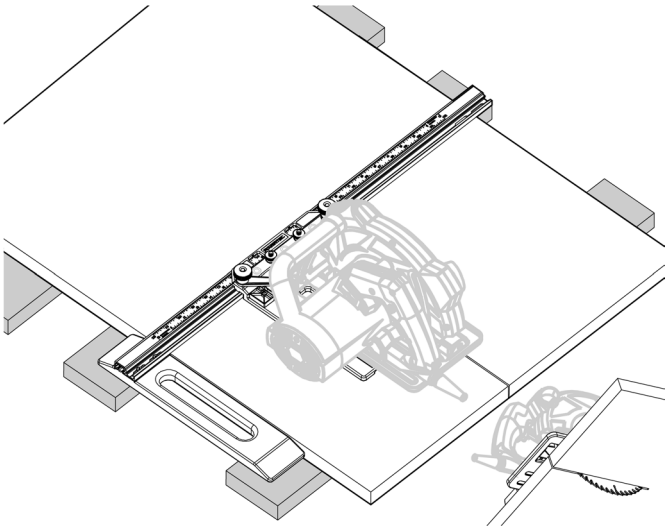


Figure 13 Setup Example



GENERAL MAINTENANCE

⚠WARNING

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

⚠WARNING

Keep the Circular Saw Guide Rail 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 Circular Saw Guide Rail. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.