



OPERATOR'S MANUAL LONG MITER/RIP FENCE KIT 4060300

FOR USE WITH RYOBI BT3000, BT3100 AND
BT3100-1 TABLE SAWS

THIS KIT MAKES EITHER A LONG MITER FENCE OR A LONG RIP FENCE FOR USE WITH BT3000, BT3100 AND BT3100-1 TABLE SAW

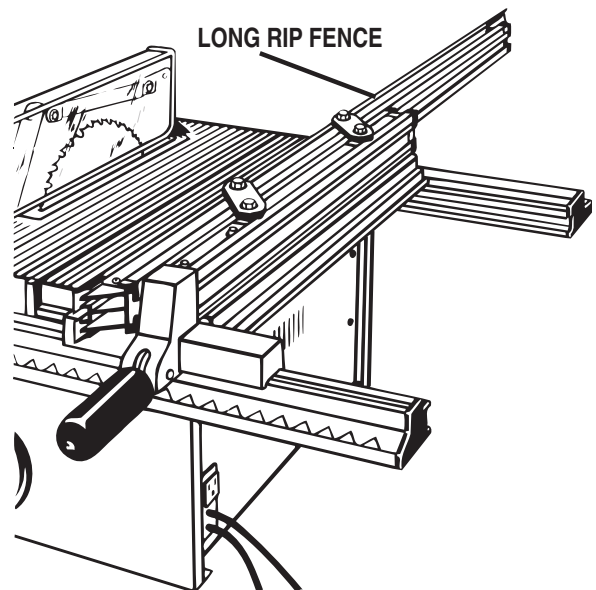
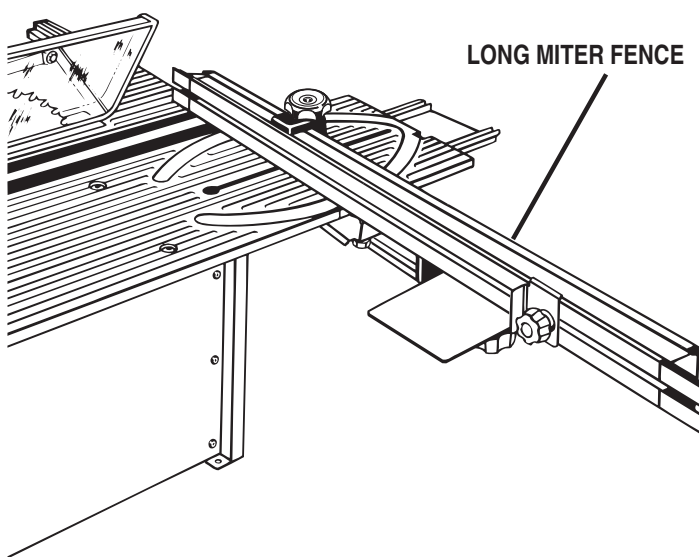


TABLE SAW IS NOT INCLUDED WITH THIS KIT

Your new Long Miter/Rip Fence kit has been engineered and manufactured to Ryobi's high standard for dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance.

WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Thank you for buying a Ryobi accessory kit.

SAVE THIS MANUAL FOR FUTURE REFERENCE

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INTRODUCTION

This Long Miter/Rip Fence kit has many features for making the use of this product more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

WARNING:

WARNING:

Do not attempt to use this product until you read thoroughly and understand completely the operator's manual. Pay close attention to the safety rules, including Dangers, Warnings, and Cautions. If you use your product properly and only as intended, you will enjoy years of safe, reliable service.



The operation of any tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always wear eye protection which is marked to comply with ANSI Z87.1.



Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.

RULES FOR SAFE OPERATION

Safe operation of this accessory requires that you read and understand this operator's manual, the operator's manual for the table saw and all labels affixed to the tool.

READ ALL INSTRUCTIONS

- **KNOW YOUR ACCESSORY.** Read the operator's manual carefully. Learn the product's applications and limitations as well as the specific potential hazards related to this product.
- **KEEP THE WORK AREA CLEAN.** Cluttered work areas and work benches invite accidents. **DO NOT** leave tools or pieces of wood on the saw while operating.
- **ALWAYS WEAR SAFETY GLASSES WITH SIDE SHIELDS.** Everyday eyeglasses have only impact-resistant lenses; they are **NOT** safety glasses.
- **DO NOT USE THIS PRODUCT WITH OTHER EQUIPMENT** or for other purposes.
- **ALWAYS DISCONNECT THE SAW FROM THE POWER SUPPLY BEFORE ASSEMBLING THIS KIT.** Make sure the switch is off when reconnecting the saw to a power supply.

- **BEFORE MAKING A CUT, BE SURE ALL ADJUSTMENTS ARE SECURE.**
- **SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct other users. If you loan someone this product, also loan these instructions.

WARNING:

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known 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, and
- arsenic and chromium from chemically-treated lumber.

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, such as those dust masks that are specially designed to filter out microscopic particles.

SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and the explanations with them, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

SYMBOL MEANING



DANGER: Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.



WARNING: Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.







CAUTION: Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices that may cause property damage.

Note: Advises you of additional information concerning the operation or maintenance of the equipment.

SAFETY AND INTERNATIONAL SYMBOLS

This operator's manual describes safety and international symbols and pictographs that may appear on this product. Read the operator's manual for complete safety, assembly, operating and maintenance, and repair information.

SYMBOL	NAME	MEANING
	Wet Condition Alert	<ul style="list-style-type: none"> Do not expose to rain or use in damp locations.
	No Hands Symbol	<ul style="list-style-type: none"> Failure to keep your hands away from the blade will result in serious personal injury.
	Read the Operator's Manual	<ul style="list-style-type: none"> To reduce the risk of injury, the user must read and understand the operator's manual before using this product.
	Eye Protection	<ul style="list-style-type: none"> Always wear safety goggles or safety glasses with side shields and a full face shield when operating this product.

SAVE THESE INSTRUCTIONS

UNPACKING

Your new long miter/rip fence kit includes a 41 in. extension rail, plus the necessary brackets, and connecting hardware required to assemble a long miter fence and attach it to the sliding miter table of your BT3000/BT3100/BT3100-1 table saw. It also includes connectors and hardware required for attaching a long rip fence to your saw.

Note: When used as a long miter fence this kit temporarily replaces the miter fence supplied with your saw. When used as a long rip fence it attaches to the rip fence supplied with your saw.

- Remove the parts from the box. Make sure that all items listed in the loose parts list are included.
- Inspect all parts carefully to make sure no breakage or damage occurred during shipping.
- If any parts are damaged or missing, please call 1-800-525-2579 for assistance.



WARNING:

If any parts are missing do not assemble the kit until the missing parts are replaced. Failure to do so could result in serious personal injury

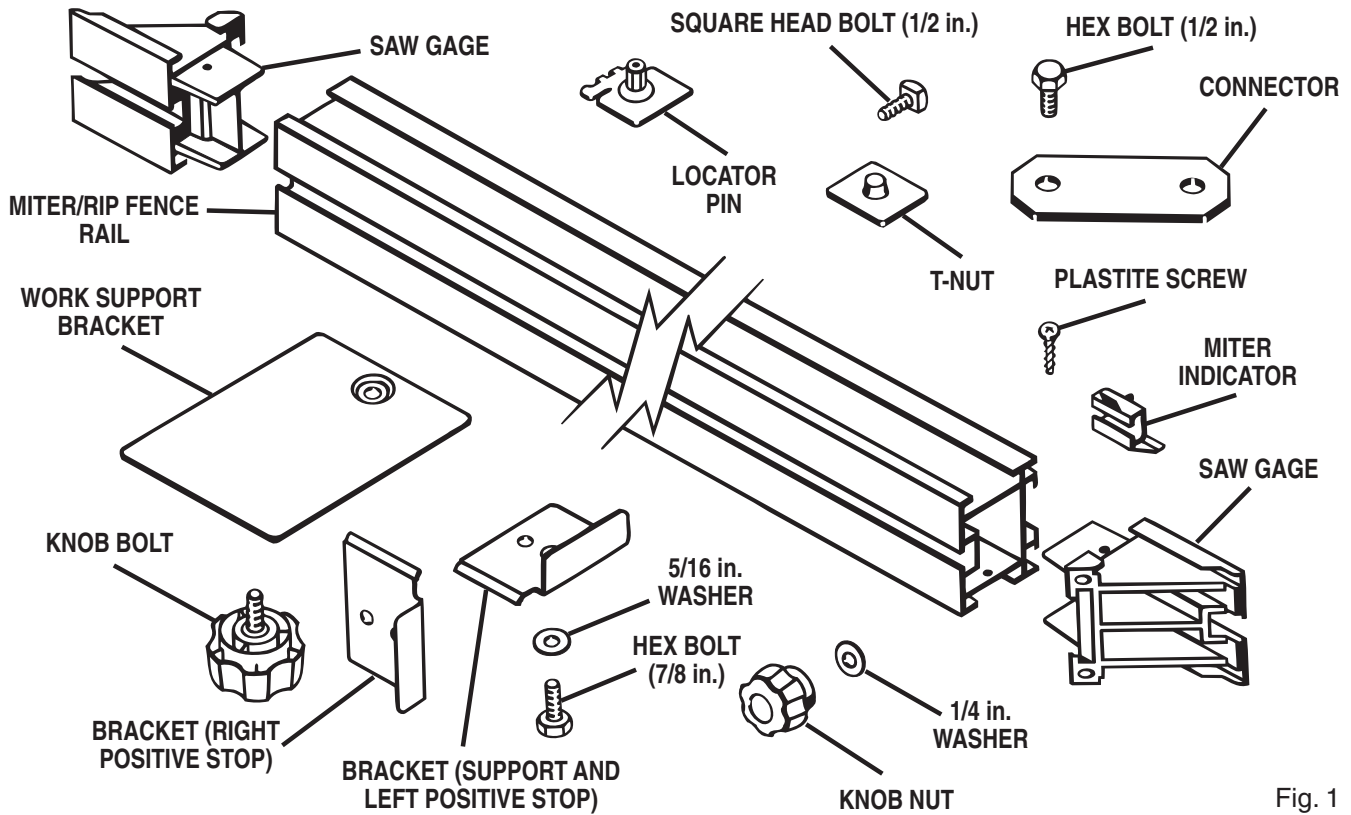


Fig. 1

LOOSE PARTS

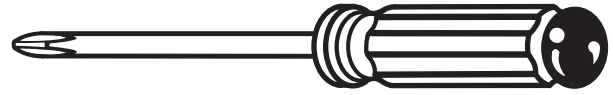
Miter/Rip Fence Rail	1	1/4 in. Washer	1
Bracket (Support and Left Positive Stop).....	2	Plastite Screw	2
Saw Gage	2	Work Support Bracket	1
Knob Bolt	1	Hex Bolt (7/8 in.).....	1
Knob Nut	1	Miter Indicator.....	1
T-Nut	6	Locator Pin	1
Square Head Bolt (1/2 in.)	1	Connector	2
5/16 in. Washer.....	6	Hex Bolt (1/2 in.).....	4
Bracket (Right Positive Stop)	1		

TOOLS NEEDED

You need an adjustable wrench and phillips screwdriver to assemble this accessory.



ADJUSTABLE
WRENCH



#2 PHILLIPS
SCREWDRIVER

ASSEMBLY

⚠ WARNING:

The table saw should never be connected to a power supply when you are assembling parts. Disconnecting the saw will prevent accidental starting that could cause serious personal injury.

TO ASSEMBLE THE LOCATOR PIN

See Figures 1 and 2.

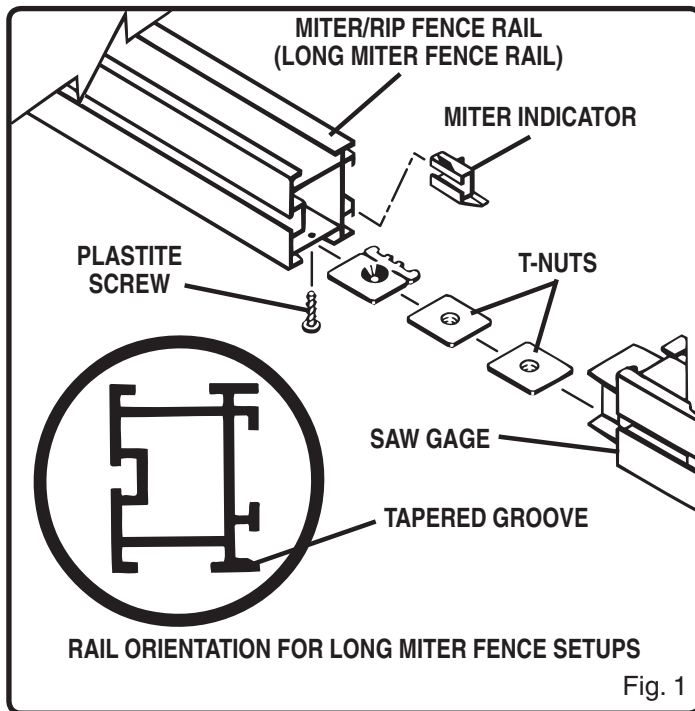


Fig. 1

- Unplug the saw.
- Remove the miter fence, the miter fence holder, and the adjusting knob from sliding miter table on your BT3000 /BT3100/BT3100-1 table saw.
- Place the long miter fence rail on the sliding miter table. See Figure 2.

IMPORTANT: Rail must be oriented exactly as shown for proper assembly of all parts.

Drilled holes in the rail are in the bottom channel when using the rail as a long miter fence. Drilled holes are in the top channel when using the rail as a long rip fence.

- Slide the locator pin into the bottom channel of the long miter fence rail.

Note: The locator pin assembled to the miter fence provided with your BT3000/BT3100/BT3100-1 table saw is assembled identical to this assembly.

This locator pin fits in either hole "A" or hole "B" when mounting the long miter fence to the sliding miter table.

Note: Raised ribs on the locator pin create a tight fit when installing the locator pin. It may be necessary to force the locator pin into the holes at first. See Figure 2.

ASSEMBLE THE MITER INDICATOR

- Align the miter indicator with the tapered groove on the long miter fence rail.
 - Slide the miter indicator onto the rail. The bottom of the miter indicator should be next to the sliding miter table.
- Note:** The miter indicator for the long miter fence is the same as the miter indicator on the miter fence provided with your BT3000/BT3100/BT3100-1 table saw. Use the miter indicator with the scale on the sliding miter table to set desired angles for making miter cuts

ASSEMBLE THE T-NUTS

- Slide two of the T-nuts into the bottom channel of the long miter fence rail. T-nuts will be used later to secure the brackets. The T-nuts must be placed in the channel before assembling the plastite screws. The plastite screws trap the T-nuts inside the channel.

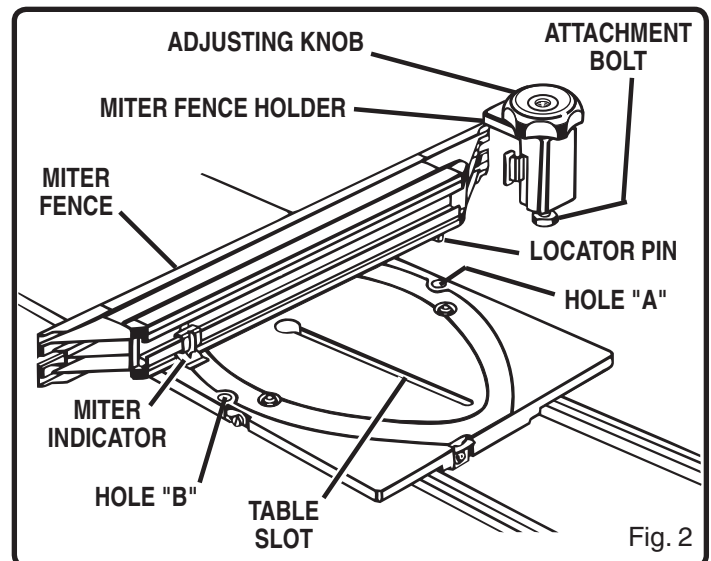


Fig. 2

ASSEMBLY

ASSEMBLE THE SAW GAGES

See Figure 3.

- Place a saw gage into each end of the long miter fence rail. Correct orientation of the saw gage to the rail is important. Align the slot in the saw gage with the slot in the rail.
- Secure both saw gages to the rail with the plastite screws provided. The long miter fence rail has drilled holes on the bottom at each end. Place screws through these holes and thread into the pilot holes in the saw gages.

Note: If the screw holes in saw gages become stripped after extended use, turn them over and secure to the opposite ends of rail. Pilot holes have been provided on both the top and bottom of saw gages.

- Tighten screws securely.

ASSEMBLE THE MITER FENCE HOLDER AND THE ADJUSTING KNOB

See Figure 4.

Reassemble the miter fence holder and the adjusting knob. Place the miter fence holder supplied with your BT3000/BT3100/BT3100-1 table saw on the long miter fence and secure to the sliding miter table.

ASSEMBLE THE SUPPORT BRACKET

See Figures 3 and 4.

The support bracket attaches to the bottom of long miter fence and sliding miter table. As the name implies it provides support and stability for the long miter fence rail.

- Orient the support bracket as shown in figure 5. Slide the bracket under the edge of the sliding miter table.
- Secure the support bracket to the bottom of the long miter fence with a 5/16 in. washer and hex bolt (7/8 in).

Note: Thread the hex bolt (7/8 in) into a T-nut closest to the table saw.

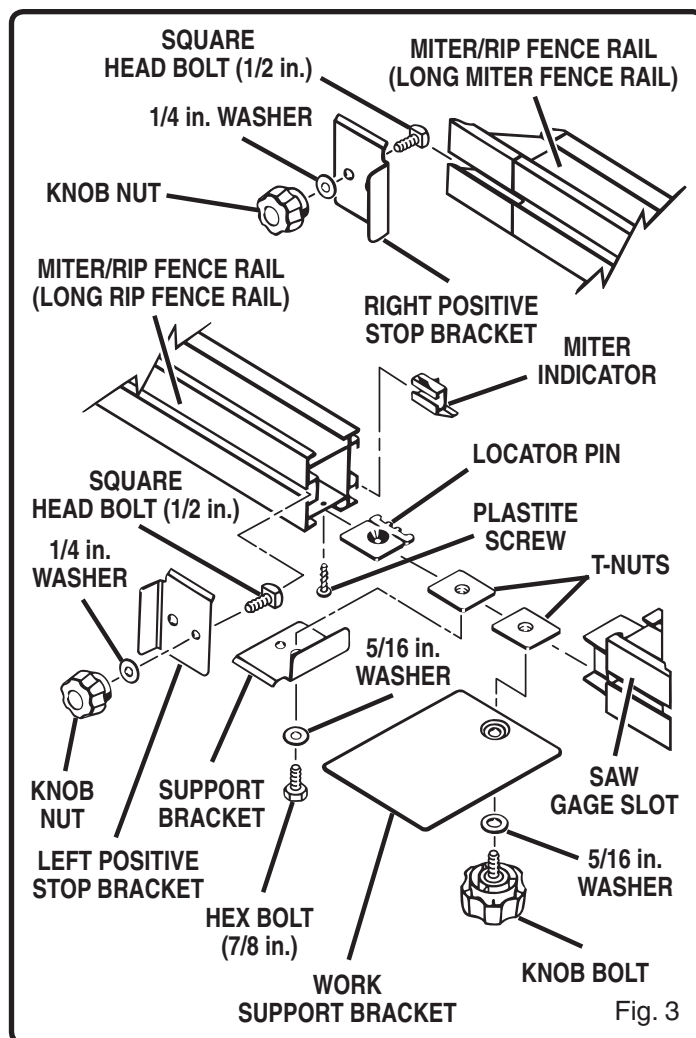
- Tighten the bolt securely.

ASSEMBLE THE POSITIVE STOP BRACKET

See Figures 3 and 4.

Two positive stop brackets have been provided for use as gages when making repetitive cuts. One each is provided for left or right side application.

- Insert the square head bolt (1/2 in) in the slot in the rip fence.
- Attach the positive stop bracket to the long miter fence and secure with a 1/4 in. washer and the knob nut.
- Place either of the left or right positive stop brackets at the desired position on the rail for repetitive cuts, etc.
- Tighten the knob nut securely.



ASSEMBLE THE WORK SUPPORT BRACKET

See Figures 3 and 4.

The work support bracket attaches to the bottom of long miter fence. As the name implies it provides support and stability for long workpieces when making miter cuts on long stock.

- Attach work support bracket to bottom of long miter fence as shown in figures 3 and 4.
- Secure the bracket with a 5/16 in. washer and the knob bolt. Thread the knob bolt into the remaining T-nut in the bottom channel or the rail.
- Tighten the knob bolt securely.

COMPLETED LONG MITER FENCE ASSEMBLY

See Figure 5.

After assembling all the parts, your long miter fence should be similar to the illustration shown in figure 5.

Recheck all necessary steps. Recheck all bolts, screws, and knobs for tightness.

ASSEMBLY

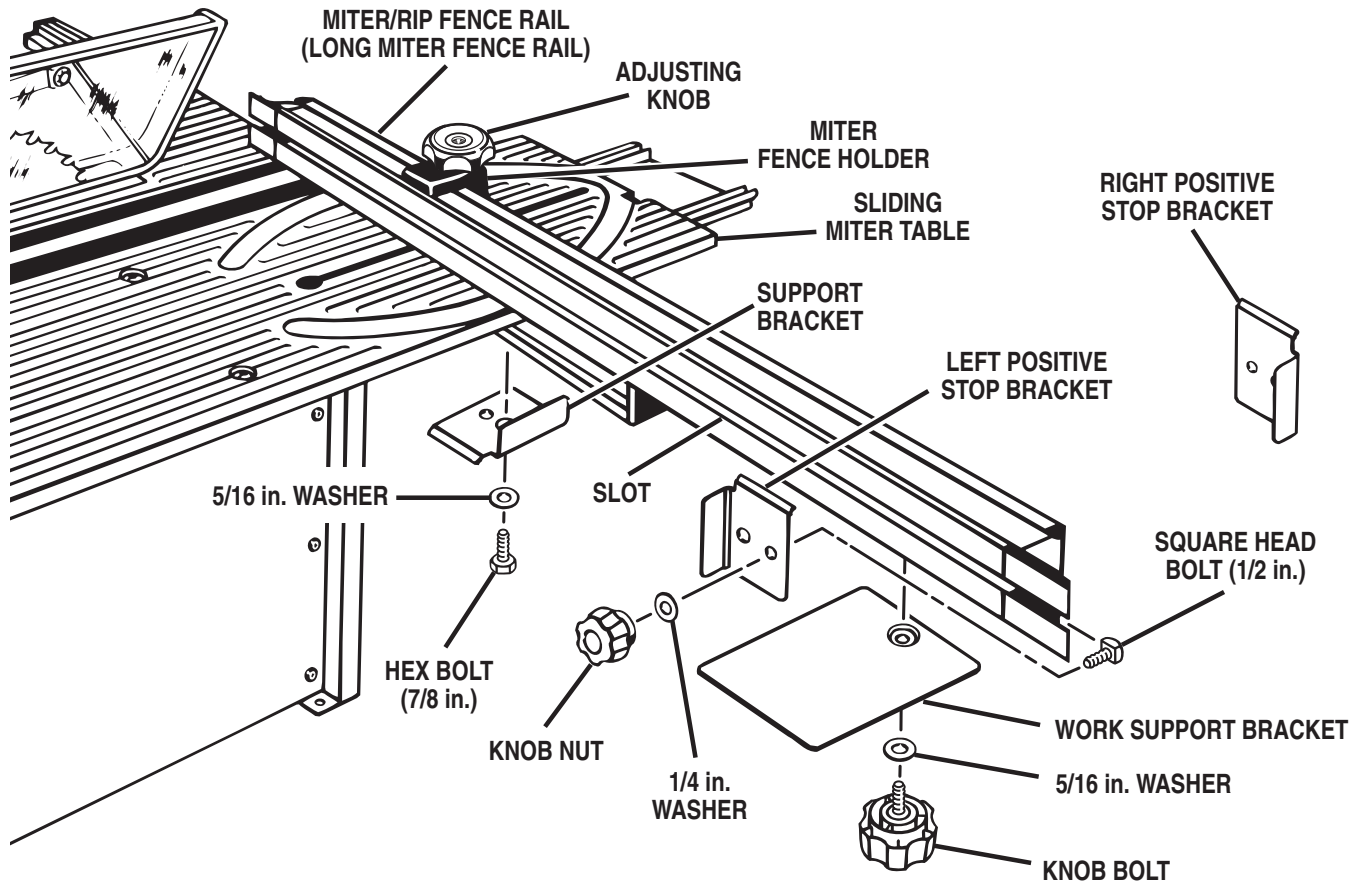


Fig. 4

LONG MITER FENCE ASSEMBLY SHOWN ATTACHED TO A BT3000/BT3100/BT3100-1 TABLE SAW

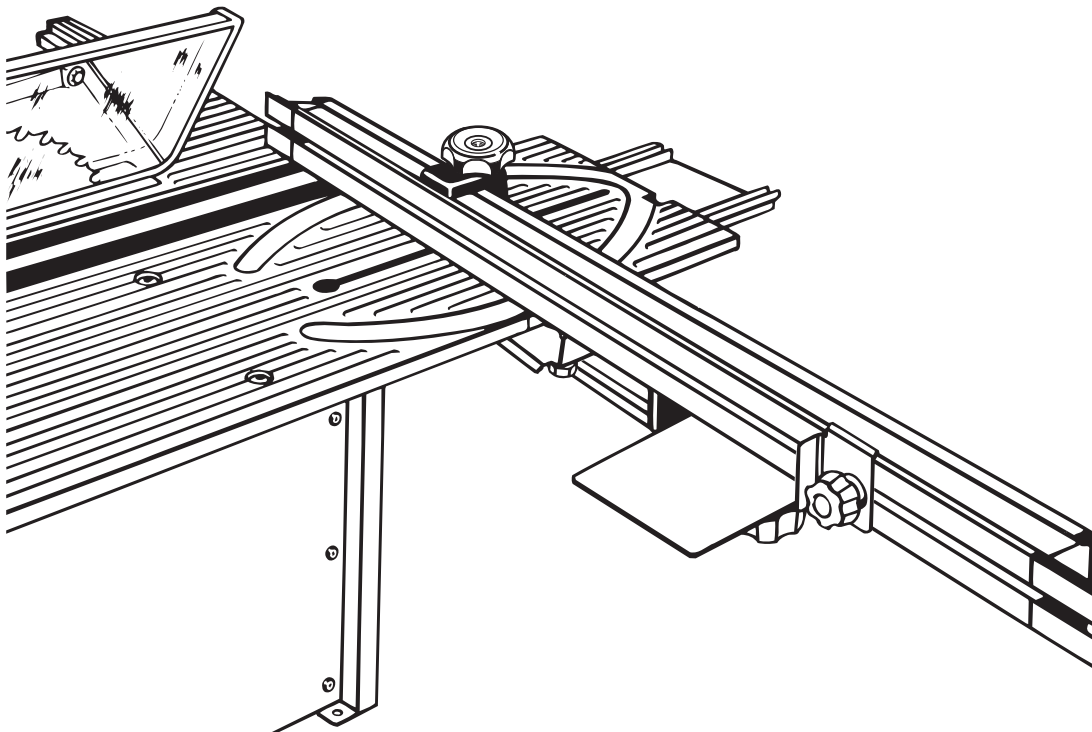


Fig. 5

ASSEMBLY

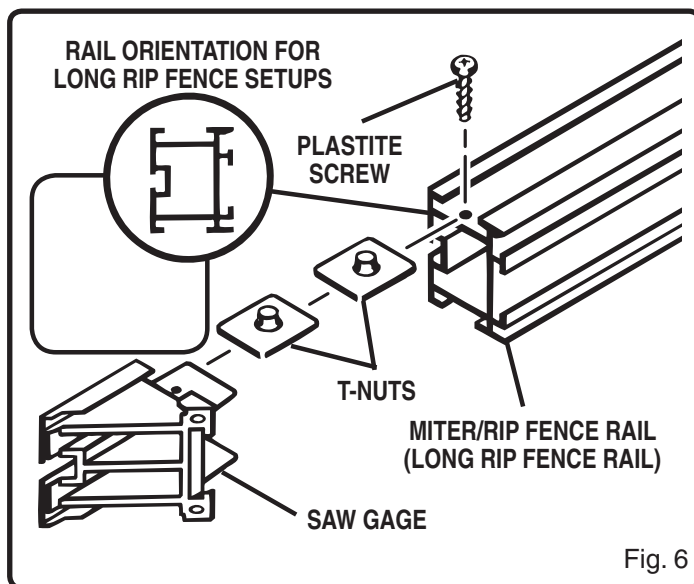
This kit also includes connectors and hardware required for attaching a long rip fence to your saw. If you have been using this kit as a long miter fence, it will be necessary to remove all connectors, brackets, hardware, etc. If you are assembling for the first time, proceed as follows.

ASSEMBLE THE LONG RIP FENCE

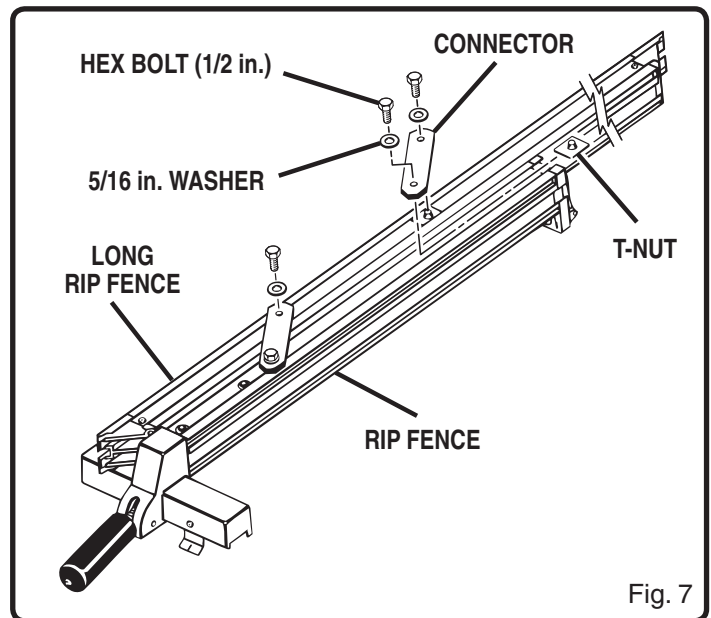
See Figures 6, 7, and 8.

The long rip fence rail attaches to the existing rip fence on your table saw, to provide a long extension rail when ripping large panels and long pieces of work.

- Place the long rip fence rail on the saw table.
IMPORTANT: Rail must be oriented exactly as shown for proper assembly of all parts. Drilled holes in the rail are on the top channel when using as a long rip fence. They are in the bottom channel when using the rail as a long miter fence.
- Slide two of the special T-nuts into the top channel of the long rip fence rail. T-nuts will be used to secure the connectors. The T-nuts must be placed in the channel before assembling the plastite screws. Plastite screws trap the T-nuts inside the channel.



- Place a saw gage into each end of long miter fence rail. Correct orientation of saw gage to rail is important. Align the slot in the saw gage with the slot in the rail.
- Secure each saw gage to the rail with plastite screws provided. The long rip fence rail has holes drilled on the top at each end. Place screws through these holes and thread into the pilot holes in the saw gage.
Note: If the screw holes in the saw gages become stripped after extended use, turn the saw gages over and secure to the opposite ends of the rail. Pilot holes have been drilled on both the top and bottom of the saw gages.
- Tighten the screws securely.
- Slide two of the T-nuts into the top channel of your saw's rip fence. T-nuts will be used to secure the connectors. The T-nuts must be placed in the channel from the rear of the saw. See Figure 7.

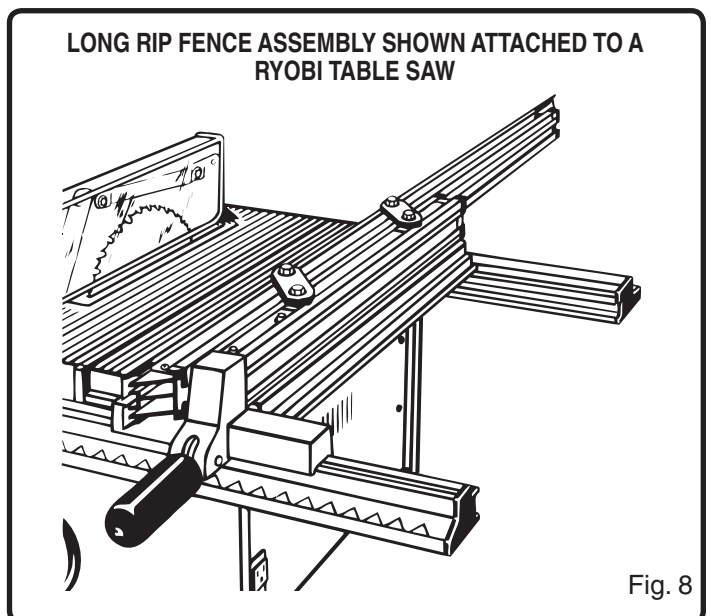


- Attach the long rip fence to the existing rip fence on the saw with two connectors.
- Secure the connectors using 5/16 in. washers and hex bolts (1/2 in.).
- Tighten bolts securely.

COMPLETED LONG RIP FENCE ASSEMBLY

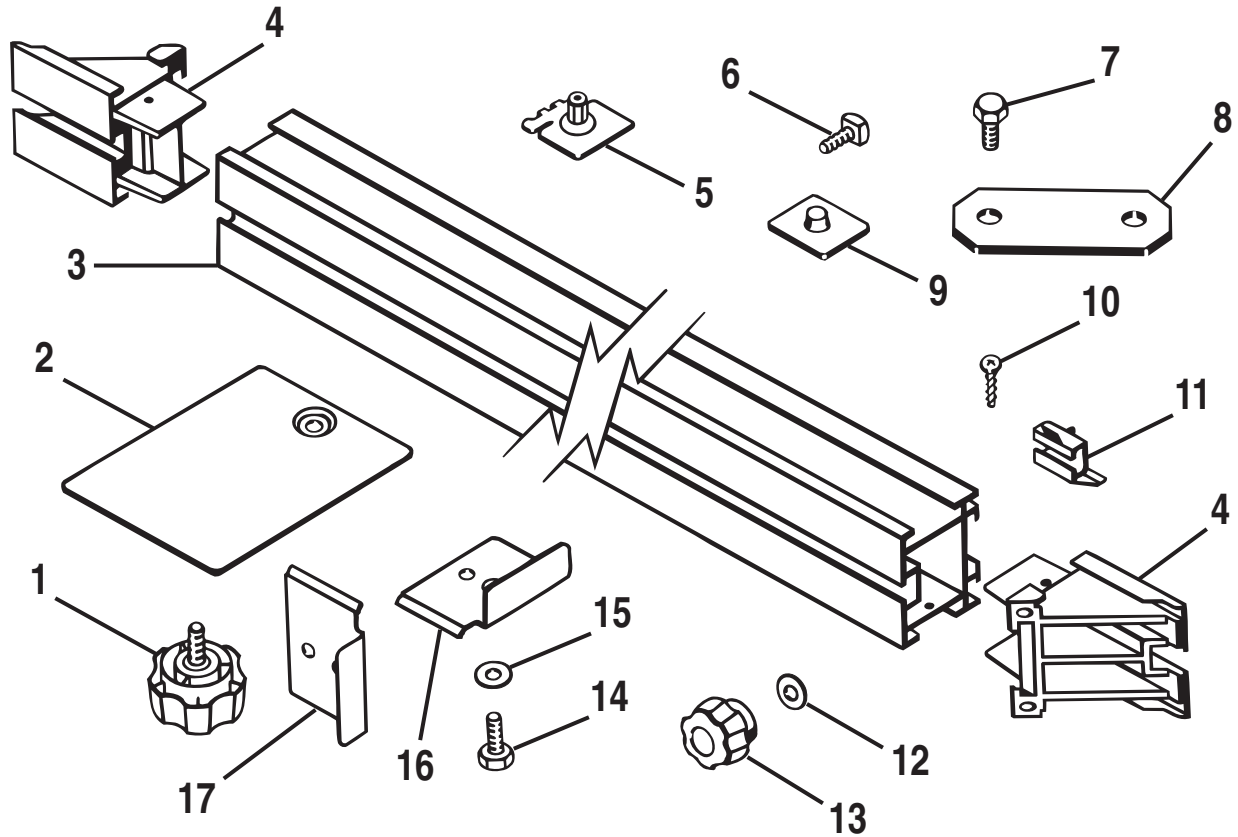
See Figure 8.

After assembling all the parts, your long rip fence should be similar to the illustration shown in figure 9. Recheck all necessary steps. Recheck all bolts and screws for tightness.



RYOBI LONG MITER/RIP FENCE KIT NO. 4060300

Now that you have purchased your **Long Miter/Rip Fence Kit**, should a need ever exist for repair parts or service, simply contact your nearest Ryobi Authorized Service Center. Be sure to provide all pertinent facts when you call or visit.



PARTS LIST

Key No.	Part Number	Description	Qty.
1	661815-001	Knob Bolt (5/16-18 x 1/2 in.)	1
2	969959-002	Bracket (Work Support)	1
3	969958-001	Miter/Rip Fence Rail	1
4	969190-001	Saw Gage	2
5	661811-001	Locator Pin	1
6	* 623166-005	Bolt (1/4-20 x 1/2 in. Sq. Hd.)	1
7	* 616670-014	Bolt (5/16-18 x 1/2 in. Hex Hd.)	4
8	970147-002	Connector	2
9	969251-001	5/16 in. T-Nut (Special)	6
10	968702-009	Screw (8-16 x 5/8 in. Plastite Pan Hd.)	2
11	969191-002	Miter Indicator	1
12	* 706382-358	Washer (1/4 in.)	1
13	661816-001	Knob Nut (1/4-20)	1
14	* 615570-014	Bolt (5/16-18 x 7/8 in. Hex Hd.)	1
15	* 706382-361	Washer (5/16 in.)	6
16	969960-002	Bracket (Support and Left Positive Stop)	2
17	662125-001	Bracket (Right Positive Stop)	1
	972000-218	Operator's Manual	

* STANDARD HARDWARE ITEM — MAY BE PURCHASED LOCALLY



OPERATOR'S MANUAL LONG MITER/RIP FENCE KIT 4060300

FOR USE WITH RYOBI BT3000, BT3100 AND
BT3100-1 TABLE SAWS

- **SERVICE**

Now that you have purchased your tool, should a need ever exist for repair parts or service, simply contact your nearest Ryobi Authorized Service Center. Be sure to provide all pertinent facts when you call or visit. Please call 1-800-525-2579 for your nearest Ryobi Authorized Service Center. You can also check our web site at www.ryobitools.com for a complete list of Authorized Service Centers.

- **HOW TO ORDER REPAIR PARTS**

WHEN ORDERING REPAIR PARTS,
ALWAYS GIVE THE FOLLOWING INFORMATION:

- MODEL NUMBER 4060300
- SERIAL NUMBER _____

RYOBI TECHNOLOGIES, INC.

1428 Pearman Dairy Road Anderson, SC 29625

Post Office Box 1207, Anderson, SC 29622-1207

Phone 1-800-525-2579

www.ryobitools.com