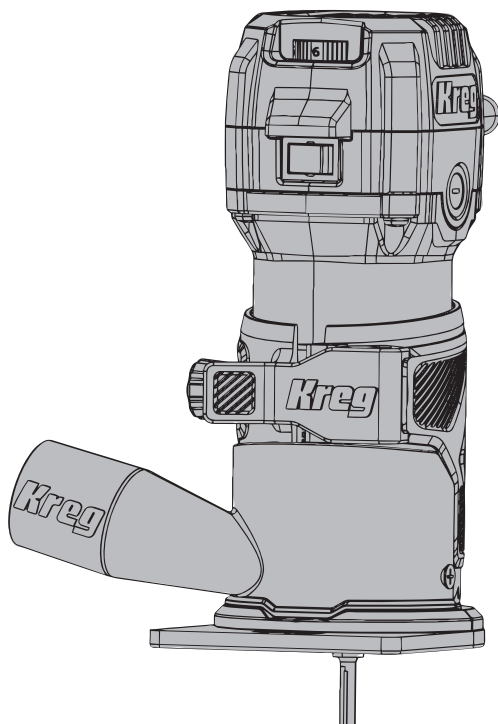


OWNER'S MANUAL



1.25 HP Fixed-Base Trim Router

Manual applies to Item # PRSPR1250



WARNING Every user must read and follow instructions and safety precautions in this manual. Failure to do so could result in serious injury. Save manual for future reference.

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Intended Use

This Trim Router power tool is designed for light-duty routing applications. Other uses outside the scope of this tool may cause bodily harm and may void any and all warranties.

Safety Precautions

General Safety Guidelines

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.

WARNING This product can expose you to chemicals including Acrylonitrile and other chemicals, which are known to the State of California to cause cancer and reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING Drilling, sawing, sanding, or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

WARNING Always wear personal protective equipment certified as such, including safety glasses, hearing protection, and respiratory protection. When using a power tool, always follow the manufacturer's personal protection equipment requirements.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. Work area safety
 - a. Keep the work area clean and well lit. Cluttered or dark areas invite accidents.
 - b. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
 - c. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
2. Electrical safety
 - a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
 - b. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
 - c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
 - d. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts. Damaged or entangled cords increase the risk of electric shock.
 - e. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
 - f. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.
3. Personal safety
 - a. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
 - b. Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, nonskid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
 - c. Prevent unintentional starting. Ensure the switch is in the Off position before connecting to a power source and/or battery pack, picking up, or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
 - d. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
 - e. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
 - f. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
 - g. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
 - h. Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool-safety principles. A careless action can cause severe injury within a fraction of a second.
4. Power tool use and care
 - a. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

- b. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
 - c. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
 - d. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
 - e. Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
 - f. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - g. Use the power tool, accessories, and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
 - h. Keep handles and grasping surfaces dry, clean, and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
5. Service
- a. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Trim Router Safety Warnings

- Before using this product, read and follow the tool manufacturer's instructions and safety precautions to reduce risk of serious injury from hazards such as fire, electric shock, or rotating drill or router bit.
- Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory or fasteners may contact hidden wiring. Cutting accessory or fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body leaves it unstable and may lead to loss of control.
- DO NOT cut metal.
- Keep handles and gripping surfaces dry, clean, and free from oil and grease. This will enable better control of the tool.
- Maintain a firm grip with both hands on the tool to resist starting torque. Maintain a firm grip on the tool at all times while operating.
- Always follow the bit manufacturer's speed recommendations as some bit designs require specific speeds for safety or performance. If you are unsure of the proper speed or are experiencing any type of problem, contact the bit manufacturer.
- Keep hands away from cutting area above and below the base. Never reach under the workpiece for any reason. Keep the router base firmly in contact with the workpiece when cutting.
- Never run the motor unit when it is not inserted in one of the router bases. The motor is not designed to be handheld.

- Keep cutting pressure constant. Do not overload the motor.
- Inspect the bit before using. Do not use a bit if it is cracked or damaged.
- Use sharp bits. Dull bits may cause the router to swerve or stall under pressure.
- Be sure that the motor has stopped completely before you lay the router down. If the cutter head is still spinning when the tool is laid down, it could cause injury or damage.
- Be sure that the router bit is clear of the workpiece before starting the motor. If the bit is in contact with the workpiece when the motor starts, it could make the router jump, causing damage or injury.
- ALWAYS disconnect the tool from power source before making adjustments or changing bits.
- Keep hands clear of the bit when the motor is running to prevent personal injury.
- Avoid awkward hand positions where a sudden slip could cause contact with the rotating bit.
- NEVER touch the bit immediately after use. It may be extremely hot. Always use caution when handling drill bits to avoid chance of serious injury.
- Provide clearance under the workpiece for the router bit when through-cutting.
- Tighten the collet nut securely to prevent the bit from slipping.
- Never tighten the collet nut without a bit.
- Do not use router bits with a cutting diameter in excess of 1-3/8" (34.9 mm) in this tool.
- Always use cutters with a shank diameter of 1/4" (6.4 mm) which corresponds to the size of the collet in your tool.
- Always follow the bit manufacturer's speed recommendations as some bit designs require specific speeds for safety or performance. If you are unsure of the proper speed or are experiencing any type of problem, contact the bit manufacturer.
- Avoid climb-cutting. Climb-cutting increases the chance for loss of control resulting in possible injury. When climb-cutting is required (backing around a corner), exercise extreme caution to maintain control of the router. Make smaller cuts and remove minimal material with each pass.
- Do not hand-hold the router in an upside-down or horizontal position. The motor can separate from the base if not properly attached according to the instructions.
- Before starting the motor clear the work area of all foreign objects.
- Always keep the chip shield (if included) clean and in place.
- Do not press the spindle lock button while the motor is running. Doing so can damage the spindle lock.
- Always make sure the work surface is free from nails and other foreign objects. Cutting into a nail can cause the bit and the tool to jump.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions.

Terms and Definitions

The label on the router may include the symbols below. The symbols and their definitions are as follows:

 Safety alert symbol
V Volts
Hz Hertz
A Amperes
W Watts
 Direct current
 Alternating current
 Alternating or direct current
 Class I construction (grounded)
 Class II tool (double insulated)

 Earthing terminal
min Minutes
/min Revolutions or reciprocations per minute
BPM Beats per minute
RPM Revolutions per minute
 n_0 No load speed
 Read the instructions
 Wear eye and ear protection

Kreg® Trim Router Specifications

ETL Listing: PRSPR1250
120V ~ 60Hz 6.5A
no=16,000-32,000 /min

Guidelines for Extension Cord Use

Extension cords are only to be used for temporary purposes. They do not replace the need for installation of outlets and proper wiring where necessary.

In your work area:

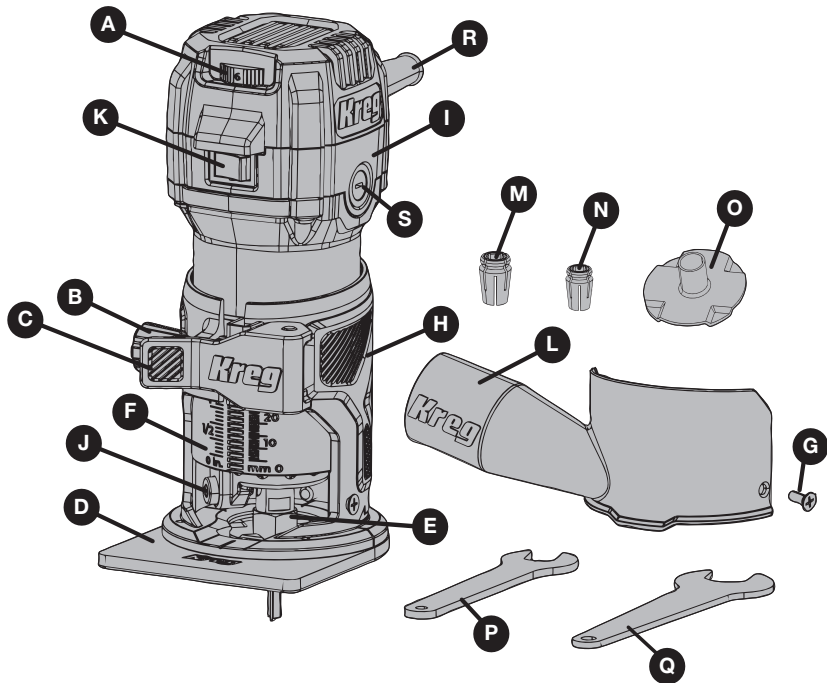
- 1. Extension cords with an equipment grounding conductor must be used at all times.
- 2. Extension cords must be protected from damage, and not run through doorways or windows where the doors or windows can close, causing damage to the cord.
- 3. Extension cords must be a minimum of 16 AWG and be rated for the equipment in use.
- 4. Extension cords must be periodically inspected to ensure that the insulation and conductivity of the wires are not compromised.
- 5. Extension cords should not be run through water or allowed to have connections that may be exposed to accumulated water.

Volts		Extension Cord Length			
120 V		25'	50'	100'	150'
240 V		50'	100'	200'	300'
Ampere Rating		Recommended Wire Gauge			
More Than	Not More Than				
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Recommended	

Pre-Assembly

Review this section before you begin. Ensure you have all tools/materials on hand and compare the package with the items listed in the Product Description section. If any item appears missing or lost, do not use this product. Contact Kreg Customer Experience or return product to place of purchase.

Product Description



Part	Description
A	Variable Speed Dial
B	Micro-Adjustment Dial
C	Locking Lever
D	D-Shaped Sub-base
E	Spindle with Collet Nut
F	Micro-Adjustment Scale
G	Accessory Mounting Screw
H	Router Base
I	Motor Housing
J	Spindle Lock Button

Part	Description
K	On/Off Button
L	Dust Adapter
M	1/4" Collet Cone (Installed on Tool)
N	6 mm Collet Cone
O	Template Guide
P	Collet Wrench (Large)
Q	Spindle Wrench (Small)
R	Power Cord
S	Brush Cap

Assembly

WARNING To reduce the risk of serious personal injury, turn the tool off before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

WARNING Always ensure the bit is secure before starting the tool. A loose bit may eject from the tool causing possible personal injury.

WARNING Projectile hazard. Only use bits with shanks that match the installed collet. Smaller shank bits will not be secure and could become loose during operation.

WARNING Do not tighten the Collet Nut (E) without inserting a router bit. The Collet Cone (M, N) may break.

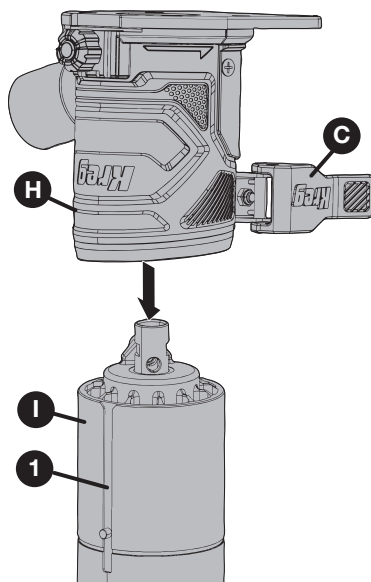
WARNING Bits are sharp. Handle carefully.

Installing / Removing the Router Base

1. Turn the tool off and unplug the Power Cord (R) from the outlet.
2. Open the Locking Lever (C) of the Router Base (H).
3. Insert the Motor Housing (I) into the Router Base (H), aligning the groove (1) on the Motor Housing (I) with the protrusion on the Router Base (H).
4. Close the Locking Lever (C).

To remove the Router Base (H):

1. Open the Locking Lever (C).
2. Pull the Motor Housing (I) and Router Base (H) apart.



Installing / Changing the Collet Cone

Note The router includes two collet cones: a 1/4" Collet Cone (M) installed in the tool and a 6 mm Collet Cone (N) included but not installed. Be sure to use a router bit with the shank diameter that matches the installed Collet Cone (M, N).

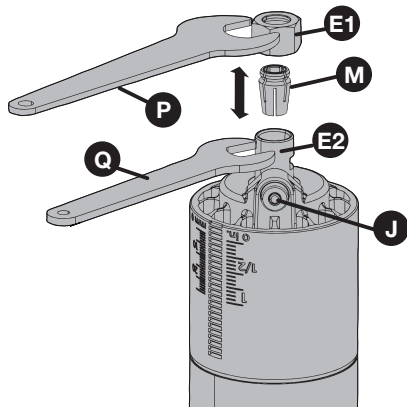
1. Turn the tool off and unplug the Power Cord (R) from the outlet.
2. Press the Spindle Lock Button (J) and remove the Collet Nut (E1) with the Collet Wrench (P) provided.

TIP Or use the two Wrenches (P, Q) provided if the Spindle Lock Button (J) is not easily accessible.

3. Insert the Collet Cone (M, N) into the Spindle (E2).
4. Lightly finger tighten the Collet Nut (E1) onto the Spindle (E2) until ready to install a router bit.

Note Do not tighten the Collet Nut (E1) without inserting the router bit. The Collet Cone (M, N) may break.

5. To remove the Collet Cone (M, N), reverse the installation procedure in steps 1 through 4.



Installing / Removing a Router Bit

WARNING Bits are sharp. Handle carefully.

1. Turn the tool off and unplug the Power Cord (R) from the outlet.
2. Remove the Router Base (H). See **Installing / Removing the Router Base** on page 8.
3. Insert the router bit (1) through the Collet Nut (E) and all the way into the Collet Cone (M). Allow the bit to bottom out in the collet, then slightly raise the bit around 1/8".

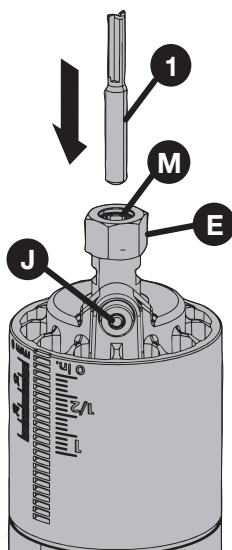
Note Do not tighten the Collet Nut (E) without inserting the bit. The Collet Cone (M, N) may break.

4. Press the Spindle Lock Button (J) and tighten the Collet Nut (E) securely with the Collet Wrench (P).

Note Tighten the Collet Nut (E) securely to prevent the bit from slipping.

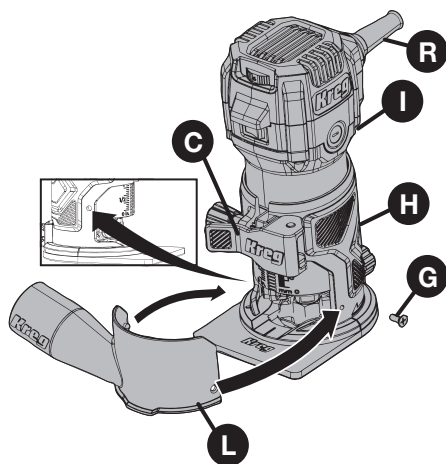
Note The Spindle Lock Button (J) may not return to the original position when you tighten the Collet Nut (E) at the installation of the router bit. Verify the Spindle Lock Button (J) returns to the original position when you start the tool.

5. To remove the router bit (1), reverse the installation procedure steps 1 through 4.



Installing / Removing the Dust Adapter to the Router Base (optional)

1. Turn the tool off and unplug the Power Cord (R) from the outlet.
2. With the Motor Housing (I) attached to the Router Base (H) and the Locking Lever (C) closed, attach the Dust Adapter (L) to the Router Base (H) as shown, then tighten the Accessory Mounting Screw (G) using a Phillips screwdriver.
3. To remove the Dust Adapter (L), reverse the installation procedure in step 2.



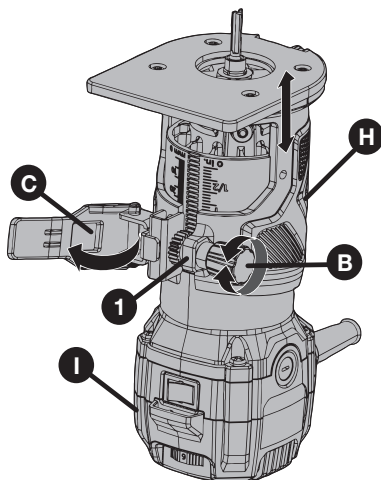
Operation

WARNING To reduce the risk of serious personal injury, turn the tool off and unplug the Power Cord (R) before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

Adjusting the Cutting Depth

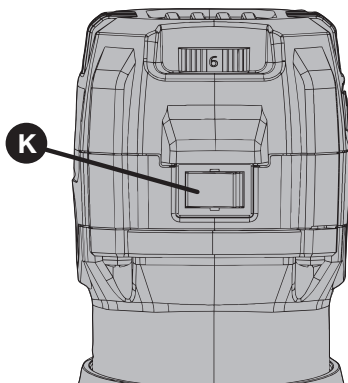
1. Open the Locking Lever (C).
2. Turn the Micro-Adjustment Dial (B) to move the Router Base (H) up or down.
3. At the desired cutting depth, close the Locking Lever (C) firmly.

Note If the Motor Housing (I) is not tightly secured in the Router Base (H) after closing the Locking Lever (C), the hex nut (1) may need to be tightened. Use pliers or a flathead screwdriver to prevent the hex nut (1) from rotating while tightening the Micro-Adjustment Dial (B) 1/2 turn, then close the Locking Lever (C). Repeat as needed until the Motor Housing (I) is tightly secured in the Router Base (H).



Switching the Router On and Off

1. To start the tool, press the On/Off Button (K).
2. To stop the tool, press the On/Off Button (K) again.



Selecting the Router Speed

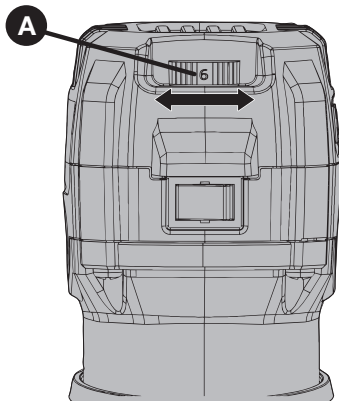
The rotation speed of the tool can be changed by turning the Variable Speed Dial (A). The table below shows the number on the Variable Speed Dial (A) and the corresponding rotation speed.

Number	Speed
1	16,000 RPM
2	19,000 RPM
3	22,000 RPM
4	25,000 RPM
5	28,000 RPM
6	32,000 RPM

Note If the tool is operated continuously at low speed for a long time, the motor will get overloaded, resulting in tool malfunction.

Note When changing the speed dial from “6” to “1”, turn the dial counterclockwise. Do not turn the dial clockwise forcibly.

Note Contact the router bit manufacturer for the optimal speed for the router bit being used.



Performing an Application

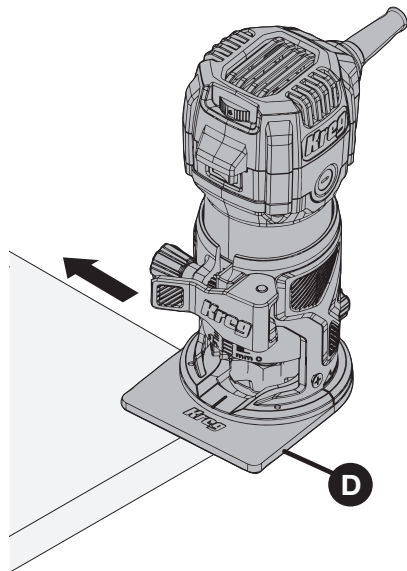
Using the Tool with the D-Shaped Sub-base

1. Set the tool with D-Shaped Sub-base (D) on the workpiece without the router bit making any contact.
2. Turn the tool on and wait until the bit attains full speed.
3. Move the tool forward over the workpiece surface, keeping the D-Shaped Sub-base (D) flush with the workpiece while moving the tool.

IMPORTANT Since excessive cutting may cause overload of the motor or difficulty in controlling the tool, the depth of cut should not be more than 1/8" (3 mm) at a pass when cutting grooves. When you wish to cut grooves more than 1/8" (3 mm) deep, make several passes with progressively deeper bit settings.

Recommendations for using the tool with the D-Shaped Sub-base

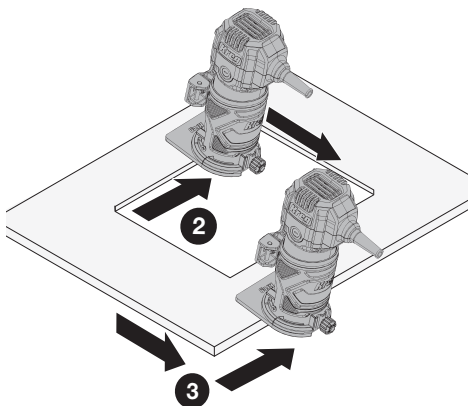
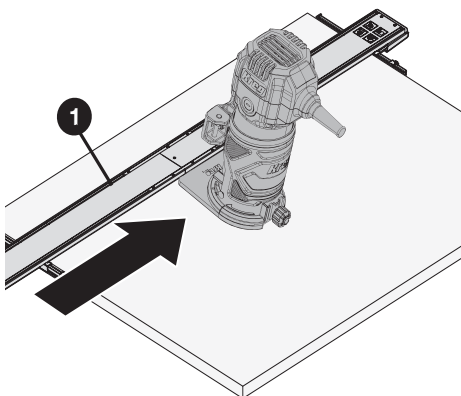
- Before cutting on the actual workpiece, it is recommended to make a sample cut. The proper feed speed depends on the bit size, the kind of workpiece, and depth of cut. Moving the tool forward too fast may cause a poor quality of cut, or damage to the bit or motor. Moving the tool forward too slowly may burn and mar the cut.



Router Feed Direction

Feed the router left to right when facing the bearing edge of a fence or straightedge (1).

Rout inside edges clockwise (2). Rout outside edges counterclockwise (3).

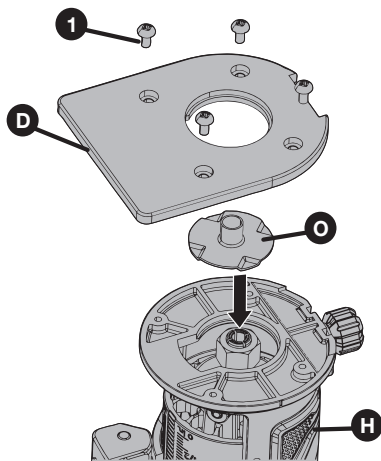


Using the Template Guide

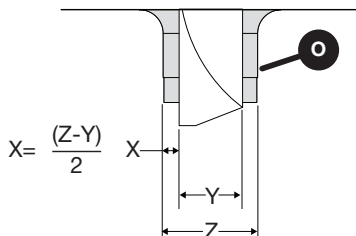
The Template Guide (O) allows for a repetitive cut with template patterns.

1. Loosen the screws (1) on the D-Shaped Sub-base (D), then remove the Sub-base (D) from the Router Base (H).
2. Place the Template Guide (O) on the tool, then attach the D-Shaped Sub-base (D) by tightening the screws.
3. Place the tool on the template and move the tool with the Template Guide (O) sliding along the side of the template.

Note Because of the tool diameter, the actual cut size on the workpiece will be slightly different from the template. The difference (X) is the distance between the outside diameter of the template guide (Z) and the outside diameter of the router bit (Y).



Distance (X) = (outside diameter of template guide – trimmer bit diameter) / 2



Maintenance

WARNING To reduce the risk of serious personal injury, turn the tool off and unplug the Power Cord (R) before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

Your power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

WARNING Never use gasoline, benzine, thinner, alcohol, or the like to clean the tool. Discoloration, deformation, or cracks may result.

Care and Cleaning

WARNING Blow dirt and dust out of all air vents with clean, dry air at least once a week. To minimize the risk of eye injury, always wear ANSI Z87.1 approved eye protection when performing this procedure.

WARNING Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Troubleshooting

Trim Router

Problem	Solution
Difficulty inserting router bit into Collet Cone; Collet Cone is too tight.	■ Ensure the stated shank diameter of the router bit matches the size of the inserted Collet Cone (M, N). If not, refer to Installing / Changing the Collet Cone on page 9. ■ Remove the Collet Cone (M, N) and re-install it. Refer to Installing / Changing the Collet Cone on page 9. ■ If problems persist, contact Kreg Customer Experience.
Motor Housing is not tightly secured in the Router Base after closing the Locking Lever.	■ Ensure that the Locking Lever (C) is in the fully closed position. ■ Tighten the hex nut and Micro-Adjustment Dial (B). Refer to the NOTE in Adjusting the Cutting Depth on page 11. ■ If problems persist, contact Kreg Customer Experience.

Replacement Parts

For any questions or replacement parts needed, please contact the Kreg Customer Experience team at 1-800-447-8638.

Warranty

Three Year Limited Warranty

For warranty terms, go to <https://learn.kregtool.com/support/product-warranties>. To request a written copy of the warranty terms, contact Customer Experience at Kreg Tool Co., 7500 SE Convenience Blvd, Ankeny, IA 50021 or call 1-800-447-8638.



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