MODEL H7790/H7791

Laminate Trim Router

OWNER'S MANUAL

(For Models Manufactured Since 03/18)

#EW7626 PRINTED IN CHINA
V2.03.18

⚠ WARNING!

This manual provides critical safety instructions on the proper setup, operation, maintenance, and service of this machine/tool. Save this document, refer to it often, and use it to instruct other operators.

Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution, or death.

The owner of this machine/tool is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, cutting/sanding/grinding tool integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.

⚠ WARNING!

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains 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, cement and other masonry products.**
- **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.

SECTION 1: SAFETY

⚠WARNING

For Your Own Safety Read Instruction Manual Before Operating This Equipment

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words which are intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.

⚠DANGER — **Indicates an imminent 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.**

NOTICE — **This symbol is used to alert the user to useful information about proper operation of the equipment.**

⚠WARNING

Safety Instructions for Power Tools

OWNER'S MANUAL. Read and understand this owner's manual BEFORE using machine.

TRAINED OPERATORS ONLY. Untrained operators have a higher risk of being hurt or killed. Only allow trained/supervised people to use this power tool. When tool is not being used, disconnect power, and store in out-of-reach location to prevent unauthorized use—especially around children. Make workshop kid proof!

DANGEROUS ENVIRONMENTS. Do not use tools in areas that are wet, cluttered, or have poor lighting. Operating tools in these areas greatly increases risk of accidents and injury.

MENTAL ALERTNESS REQUIRED. Full mental alertness is required for safe operation of power tools. Never operate under the influence of drugs or alcohol, when tired, or when distracted.

DISCONNECT POWER FIRST. Always disconnect tool from power supply BEFORE making adjustments, changing tooling, or servicing machine. This prevents an injury risk from unintended startup or contact with live electrical components.

EYE PROTECTION. Always wear ANSI-approved safety glasses or a face shield when operating or observing machinery to reduce the risk of eye injury or blindness from flying particles. Everyday eyeglasses are not approved safety glasses.

⚠WARNING

ELECTRICAL SAFETY. Tool plug must match outlet. Double-insulated tools have a polarized plug (one blade is wider than the other), which must be plugged into a polarized outlet. Never modify plug. Do not use adapter for grounded tools. Use a ground fault circuit interrupter if operation is unavoidable in damp locations. Avoid touching grounded surfaces when operating tool.

WEARING PROPER APPAREL. Do not wear clothing, apparel or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to avoid accidental slips, which could cause loss of workpiece control. Wear hard hat as needed.

HAZARDOUS DUST. Dust created while using tools may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material, always wear a NIOSH-approved respirator, and connect tool to an appropriate dust collection device to reduce your risk.

HEARING PROTECTION. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.

REMOVE ADJUSTING TOOLS. Never leave adjustment tools, chuck keys, wrenches, etc. in or on tool—especially near moving parts. Verify removal before starting!

INTENDED USAGE. Only use tool for its intended purpose. Never modify or alter tool for a purpose not intended by the manufacturer or serious injury or death may result!

AWKWARD POSITIONS. Keep proper footing and balance at all times when operating tool. Do not overreach! Avoid awkward hand positions that make tool control difficult or increase the risk of accidental injury.

SAFE HANDLING. Firmly grip tool. To avoid accidental firing, do not keep finger on switch or trigger while carrying.

FORCING TOOLS.. Use right tool for job, and do not force it. It will do job safer and better at rate for which it was designed.

SECURING WORKPIECE. When required, use clamps or vises to secure workpiece. This protects hands and frees both of them to operate tool.

GUARDS & COVERS. Guards and covers reduce accidental contact with moving parts or flying debris. Ensure they are properly installed, undamaged, and working correctly.

CHILDREN & BYSTANDERS. Keep children and bystanders at a safe distance from the work area. Stop using tool if they become a distraction.

USE RECOMMENDED ACCESSORIES. Consult this manual or manufacturer for recommended accessories. Using improper accessories will increase risk of serious injury.

MAINTAIN WITH CARE. Keep cutting tool edges sharp and clean. Follow all maintenance instructions and lubrication schedules to keep tool in good working condition. A tool that is improperly maintained could malfunction, leading to serious personal injury or death. Only have tool serviced by qualified service-personnel using matching replacement parts.

CHECK DAMAGED PARTS. Regularly inspect tool for any condition that may affect safe operation. Immediately repair or replace damaged or mis-adjusted parts before operating tool.

MAINTAIN POWER CORDS. When disconnecting cord-connected tools from power, grab and pull the plug—NOT the cord. Carrying or pulling the cord may damage wires inside. Do not handle cord/plug with wet hands. Avoid cord damage by keeping it away from heated surfaces, high traffic areas, harsh chemicals, sharp edges, moving parts, and wet/damp locations. Damaged cords increase risk of electrocution.

UNATTENDED OPERATION. Never leave tool running while unattended. Turn tool ***OFF*** and ensure all moving parts completely stop before walking away.

EXPERIENCING DIFFICULTIES. If at any time you experience difficulties performing the intended operation, stop using the machine! Contact our Technical Support at (570) 546-9663.

Additional Safety Instructions for Trim Routers

⚠WARNING

READ ENTIRE MANUAL. This manual contains proper operating instructions for this tool.

SAFETY EQUIPMENT. Wear safety glasses, respirator, and hearing protection when operating trim router.

POWER SOURCE. Unplug the trim router and make sure the switch is ***OFF*** before inserting or removing bit, making adjustments, or performing maintenance or service. DO NOT make adjustments while the trim router is running.

ROUTER BITS. Inspect router bits before use. DO NOT use router bits that have been dropped, cracked, or damaged. The router bit may shatter, causing serious injury.

INSTALLING BIT. Insert the bit all the way into the collet and tighten firmly. If the bit is not inserted far enough, the bit may slip or come out, causing injury. DO NOT use bits with a diameter larger than 1⅛".

COLLET WRENCHES. Make sure the collet wrenches are removed from the trim router before turning it ***ON***.

WORKPIECE. Check the workpiece for nails or other foreign objects which may cause the trim router to kickback or damage the bit, possibly causing injury to the operator.

HOLDING THE WORKPIECE. Secure the workpiece with clamps or attach it to an immovable object. DO NOT hold the workpiece in your hand or across your legs.

HOLDING THE ROUTER. Hold the trim router with both hands to control torque twist and kickback. Keep hands away from the spinning bit. Make sure the bit has come to a complete stop before setting the trim router down.

ROUTING. Always route with the base flat upon the workpiece. DO NOT start the trim router with the bit in contact with the workpiece.

FEED DIRECTION. Always feed the trim router against the cutter rotation. DO NOT start routing at a corner. Starting at a corner may cause the tool to grab, damaging the workpiece, and possibly causing personal injury.

REMOVING THE BIT. The bit is sharp and will be hot after use. Use gloves when removing.

WORK AREA. DO NOT use the trim router in an area that may contain hidden live wires. Disconnect all power leading to the work area.

TOOL SERVICE. If the trim router is damaged, or not working correctly, repair it before use.

⚠CAUTION

No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious personal injury, damage to equipment or poor work results.

Electrical Safety

Polarized Plug

This trim router is double-insulated and therefore does not have a grounding wire or plug. The two-pronged, NEMA 1-15 plug has a polarized end, meaning that one prong (the neutral connector) is wider than the other (the hot connector). Polarized plugs must only be used with polarized receptacles. Do not attempt to plug this machine into a non-polarized receptacle. If a polarized receptacle is not available, a qualified electrical technician will have to install one before the machine can be plugged in.

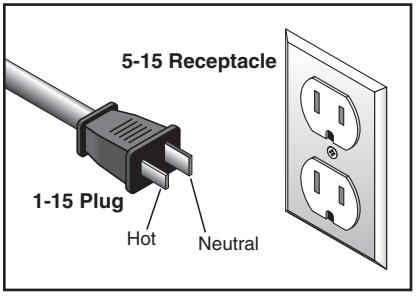


Figure 1. Typical 1-15 plug and receptacle.

Extension Cords

We do not recommend the use of extension cords, if you find it absolutely necessary:

- Use at least a 16 gauge cord that does not exceed 100 feet in length!
- The extension cord must also contain a ground wire and plug pin.
- DO NOT use an extension cord that has cuts, exposed wires, bent/missing prongs, or other damage.
- A qualified electrician MUST size cords over 100 feet long to prevent motor damage.

WARNING

Electrocution or fire could result if this tool is not grounded correctly or if your electrical configuration does not comply with local and state codes. Ensure compliance by checking with a qualified electrician!

SECTION 2: INTRODUCTION

Manual Accuracy

We are proud to offer this document with your new tool! We've made every effort to be exact with the instructions, specifications, drawings, and photographs of the tool we used when writing this manual. However, sometimes we still make an occasional mistake.

Also, owing to our policy of continuous improvement, **your tool may not exactly match the manual**. If you find this to be the case, and the difference between the manual and machine leaves you in doubt, immediately call our technical support for updates or clarification.

For your convenience, we post all available documentation on our website at **www.grizzly.com**. Any updates to this document will be reflected on our website as soon as complete.

Specifications

Weight	4 lbs.
Horsepower (H7790)	⅝ HP
Horsepower (H7791)	½ HP
No-Load Speed	30,000 RPM
Collet Size	¼"
Max. Bit Diameter	1⅛"

Contact Info

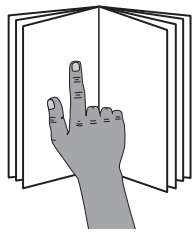
If you have any comments regarding this manual, please write to us at the following address:

Grizzly Industrial, Inc.
P.O. Box 2069
Bellingham, WA 98227-2069
Email: manuals@grizzly.com

Most importantly, we stand behind our tools. If you have any service questions or parts requests, please call or write us at the location listed below.

Grizzly Technical Support
1815 W. Battlefield
Springfield, MO 65807
Phone: (570) 546-9663
Email: techsupport@grizzly.com

⚠WARNING



This tool presents serious injury hazards to untrained users. Read through entire manual to become familiar with controls and operations before using!

Identification

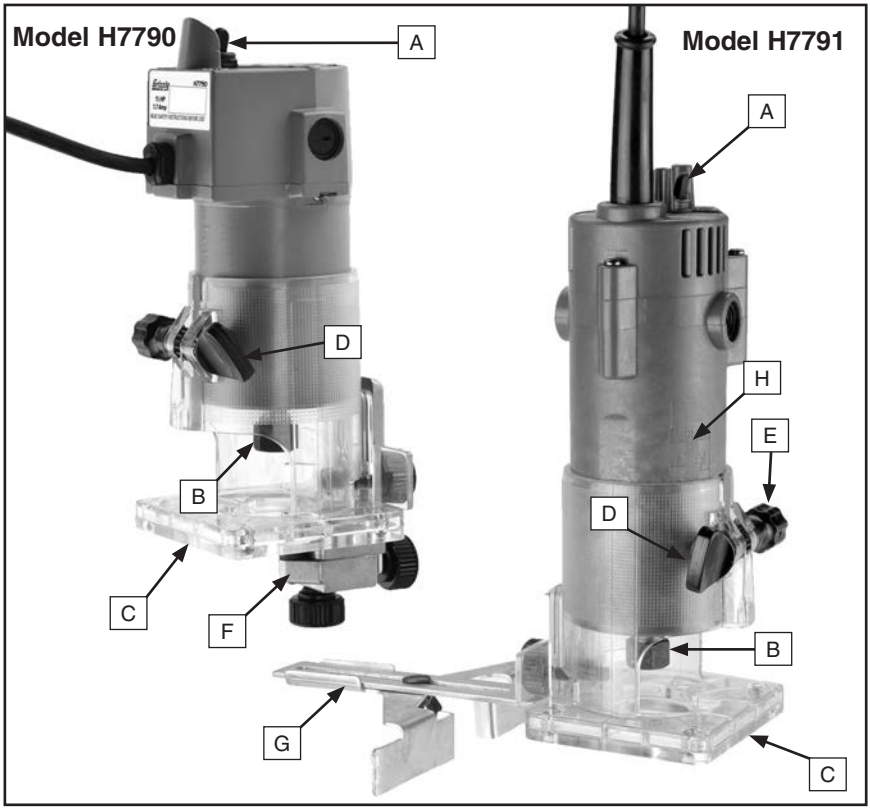
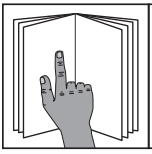


Figure 2. Router component identification.

- **A.** ON/OFF Switch
- **B.** Collet
- **C.** Base Plate
- **D.** Height Adjustment Lock Knob
- **E.** Height Adjustment Knob
- **F.** Curved Trim Guide
- **G.** Straight Trim Guide
- **H.** Depth Scale



⚠WARNING

To reduce your risk of serious injury, read this entire manual BEFORE using machine.

SECTION 3: SETUP

Unpacking/Inventory

The Model H7790/H7791 was carefully packed when it left our warehouse. If you discover the tool is damaged after you have signed for delivery, *please immediately call Customer Service at (570) 546-9663 for advice.*

Save the box and all packing materials for possible inspection by the carrier or its agent. *Otherwise, filing a freight claim can be difficult.*

When you are completely satisfied with the condition of your shipment, you should inventory the contents.

Model H7790/H7791 Inventory (Figure 3)

A. Router with Base Plate (Not Shown) .1
B. Collet Wrenches..... 1
C. Template Guide 1
D. Straight Trim Guide..... 1
E. Curved Trim Guide 1

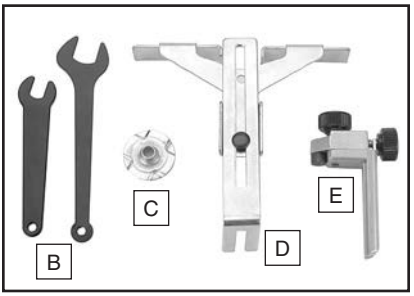


Figure 3. Model H7790/H7791 inventory.

In the event that any nonproprietary parts are missing (e.g. a nut or a washer), we would be glad to replace them, or for the sake of expediency, replacements can be obtained at your local hardware store.

SECTION 4: OPERATIONS

Removing/Installing Router Bit

This router is supplied with a ¼" collet for use with ¼" shank router bits. It will accept router bits up to a 1⅛" diameter. Carefully inspect router bits for cracks, chips, or other damage before installing. DO NOT use router bits that have been dropped, cracked, or damaged. The router bit may shatter. causing serious injury.

To remove or install a router bit:

1. DISCONNECT TOOL FROM POWER.

2. Loosen the lock knob (See **Figure ??**) and adjust the base for access to the collet.

3. Place the collet wrenches as shown in **Figure 4**, loosen the collet, and remove the router bit.

⚠ **CAUTION:** The router bit is sharp and will be hot after use. Wear gloves to prevent injury when removing bit.

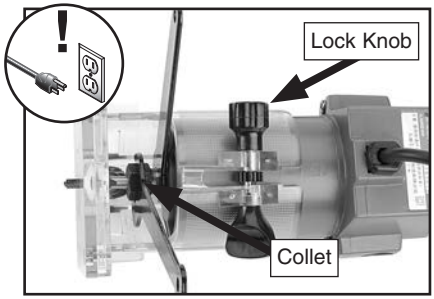


Figure 4. Loosening the collet.

4. Slide the router bit to within ⅛" of the bottom of the collet, tighten collet with wrenches, and tighten lock knob.

   Note: *The collet can be damaged if it is tightened without a bit.*

Adjusting Bit Depth

⚠WARNING

Unplug the router and make sure the switch is *OFF* before inserting or removing bit, making adjustments, or performing maintenance or service. DO NOT make adjustments while the router is running.

To adjust the bit depth:

1. DISCONNECT TOOL FROM POWER.

2. Loosen the lock knob shown in **Figure 5** and adjust the base to approximately desired height by rotating the height adjustment knob.

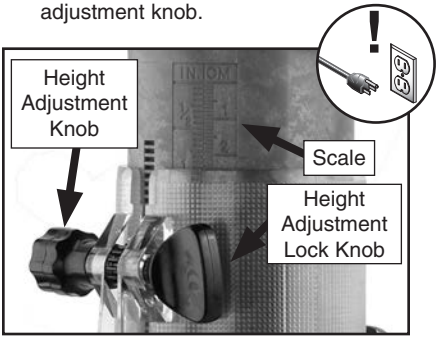


Figure 5. Height adjustment knobs.

3. Fine tune the depth of the router bit by using a measuring device, or place the router on the workpiece and eye-ball the depth for an approximate measurement.

   Note: *The scale on the Model H7791 is not calibrated to any specific point. Only use it for reference when making incremental changes.*

4. Tighten the lock knob to secure the base plate.

5. Plug in the router and make a test run on a scrap piece of wood to make sure the depth is correct.

Feed Direction

Once the bit has been selected and installed properly, and the depth has been set, you need to determine the proper feed direction of the router across the workpiece.

To determine the feed direction:

1. Examine the top face of the workpiece and determine the direction of the grain. Feed the router so the bit is cutting with the grain (cutting along the growth rings as shown in **Figure 6**). Cutting against the grain chips the wood rather than cutting it, making a rougher surface with more “chip out.”

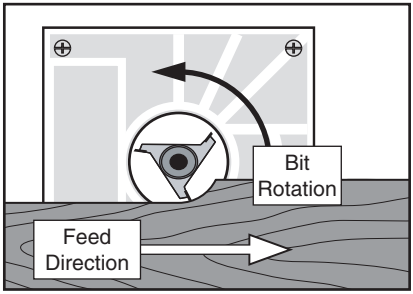


Figure 6. Correct feed direction and grain orientation (bottom view).

2. Always pass the router across the workpiece so the bit is rotating opposite the feed direction as shown in **Figure 6**. If the cutters are moving in the same direction you are feeding the router, you are performing a “climb cut.” This is a very dangerous operation because the router could lunge forward out of your hands, causing serious personal injury.

Routing Operations

Once the router bit is installed, the depth is set, and the feed direction is determined, it is time to start routing.

To perform routing operations:

1. Secure the workpiece to a stable surface.

2. Place the router flat on the surface of the workpiece, making sure that the bit is not touching the workpiece.

3. Firmly grasp the router and turn the switch ***ON***.

⚠CAUTION

Router will "kick" when started. If it comes in contact with workpiece it could jump out of your hands and cause injury.

4. Smoothly move the router in the correct feed direction into the workpiece.

⚠CAUTION

DO NOT start routing at a corner. Starting at a corner may cause router to grab, damaging workpiece corner, and possibly causing injury.

5. Feed the router along the workpiece at a consistent rate of speed. Be aware of the sound of the router motor and the sound of the bit cutting. If the motor begins to bog down, or the sound pitch of the router bit lowers, reduce the feed rate.

6. When finished routing, turn the router ***OFF***, and allow it to come to a complete stop before setting it down.

Routing Tips

- Performing routing operations in multiple passes produces smoother results with less chance of "chip out" and burning of the workpiece. It also reduces the possibility of the router jerking out of your hands from trying to remove too much material in one pass.

- Cutting end grain with the router will cause tearout. Cutting the end grain first allows the tearout to be trimmed off by the side cuts.

- Feed the router in a counterclockwise direction when routing the outside edges of a workpiece. Feed the router clockwise when routing interior holes.

- The correct feed speed depends on the speed of the router, bit size, shape, and sharpness, and the characteristics of the workpiece. Feeding the router too fast will cause chatter marks, chip out, and possibly damage the bit and motor. Feeding the router too slow will cause burn marks and extra build-up on the router bit. Make a test cut on a sample scrap of the workpiece to determine the correct feed speed. A router fed at the correct speed should make large, thin shavings.

Curved Trim Guide

The curved trim guide is used for trimming curved surfaces, such as adding a decorative edge to a round table or trimming curved corners on a laminate countertop.

This guide is only necessary with router bits that do not have a guide bearing. The bushing in the curved trim guide rides along the edge of the workpiece guiding the router bit.

To use the curved trim guide:

1. Slide the trim guide onto the base plate as shown in **Figure 7**, set the guide height, and tighten the height adjustment lock knob.

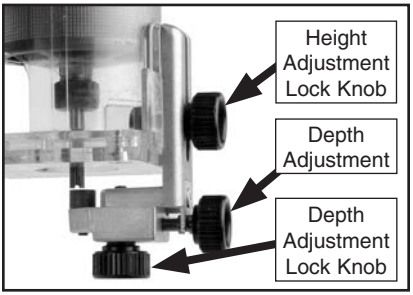


Figure 7. Curved trim guide adjustments.

2. Loosen the depth adjustment lock knob and turn the depth adjustment to adjust the depth of cut.

3. Follow the instructions in **Routing Operations** on **Page 11** and make a test cut by sliding the guide bushing along the edge of a scrap piece of wood.

4. TURN ***OFF*** AND UNPLUG THE ROUTER, then make the necessary adjustments to the height and depth of the curved trim guide.

5. Repeat **Steps 1–4** until the cut is the correct height and depth.

Straight Guide

The straight guide can be used for trimming, cutting dadoes, straight dovetails, and for cutting circles.

Only use router bits with no guide bearing when using the straight guide.

To use the straight guide tor trimming:

1. Slide the straight guide onto the base plate as shown in **Figure 8**, then set the guide height and tighten the lock knob.

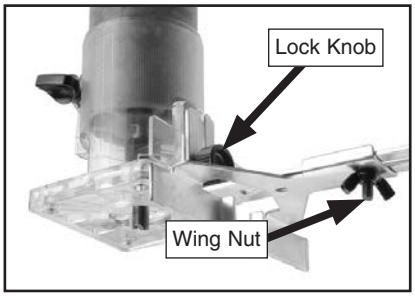


Figure 8. Straight guide installation.

2. Loosen the wing nut and slide the straight guide to approximately the desired depth.

3. Follow the instructions in **Routing Operations** on **Page 11** and make a test cut by sliding the straight guide along the edge of a scrap piece of wood.

4. TURN ***OFF*** AND UNPLUG THE ROUTER, then make the necessary adjustments to the straight guide.

5. Repeat **Steps 2–4** until the cut is correct.

To use the straight guide for interior cuts:

1. Set up the straight guide as explained for trimming, but adjust the guide to allow the router bit to follow an interior slot.

   Note: *When cutting interior slots, the router will tend to wander toward the guide. Keep a constant pressure towards the workpiece, and pull the router towards you, instead of pushing the router.*

2. Make sure there is enough excess material at the end of the cut to support the straight guide. If the guide slips off of the end of the workpiece, it will wander off of the desired line. You may wish to add a longer piece of wood to the workpiece for the straight guide to follow.

3. Follow the instructions in **Routing Operations** on **Page 11** to make the desired cut as shown in **Figure 9**.

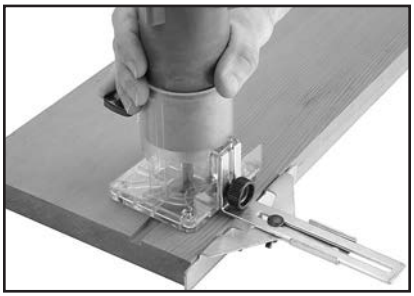


Figure 9. Routing a slot.

To use the straight guide for cutting circles:

1. Set up the straight guide as shown in **Figure 10** with the guide plate facing up.

   Note: *The router will cut circles from* 2¾"–4¾" *when the lock bolt is placed in the hole closest to the router and it can cut circles from* 4¾"–8⅝" *when the lock bolt is placed in the hole farthest from the router.*

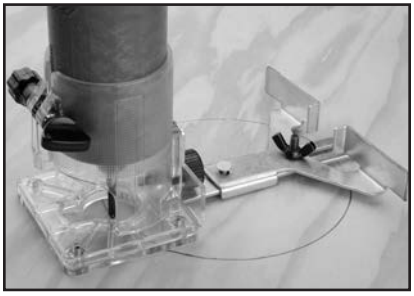


Figure 10. Guide setup for cutting circles.

2. Use a compass to mark the desired circle on the workpiece, then drive a small nail into the workpiece at the center of the circle.

3. Place the hole in the straight guide over the nail, then loosen the lock bolt and adjust the guide until the router bit aligns with the marked circle.

4. Adjust the router to the desired depth.

5. Lift the router above the surface, turn it ***ON***, and then carefully lower it into the workpiece.

6. Rotate the router in a clockwise direction, using the nail as the pivot point.

Template Guide

The template guide allows the router to follow a template or pattern. This setup is necessary when routing interior slots where a bit with a guide bearing will not fit.

To install the template guide:

1. Remove the screws securing the bottom of the router base as shown in **Figure 11**.

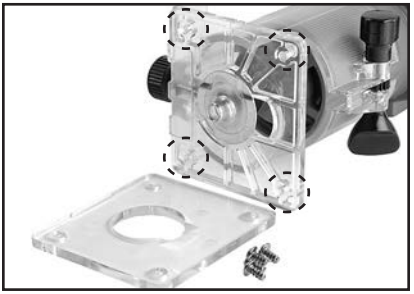


Figure 11. Router base screws removed.

2. Set the template guide into the groove in the upper portion of the router base and re-install the bottom portion of the router base.

3. Install a router bit that has a diameter of ¼" or less (see **Figure 12**).

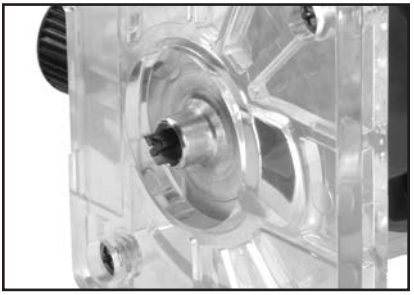


Figure 12. Router bit installed through the template guide.

Guidelines for building the template:

1. MDF is the most common template material, but the template can be made out of any material that is flat on the top and bottom, and is at least 3/16" thick.

2. Take into account the diameter of the template guide when calculating the size of the template. The diameter of the bushing (X in **Figure 13**), minus the diameter of the router bit (R), divided by 2, gives you the template offset as shown in **Figure 14**.

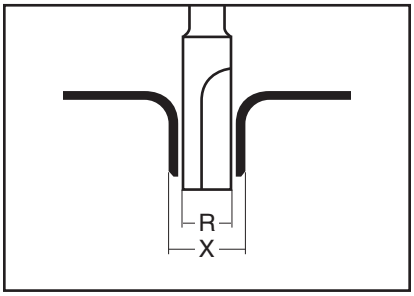


Figure 13. Calculating template offset.

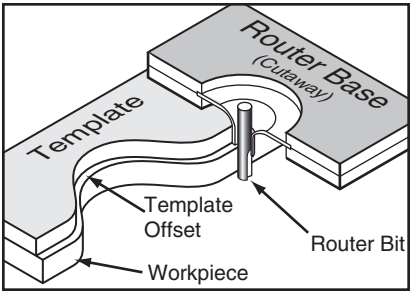


Figure 14. Using the template guide.

3. Attach template to workpiece with screws. Make sure fasteners are installed in areas where router bit will not cut and recessed so router base will not catch on fastener.

Using the template guide:

1. Use a bandsaw to remove excess wood around the template.

2. Press template guide into template and follow edge.

SECTION 5: ACCESSORIES

⚠WARNING

Installing unapproved accessories may cause tool to malfunction, resulting in serious personal injury or tool damage. To reduce this risk, only install accessories recommended for this tool by Grizzly.

NOTICE

Refer to our website or latest catalog for additional recommended accessories.

H5554—20 Pc. Carbide ¼" Router Bit Set
H3168—30 Pc. Carbide ¼" Router Bit Set
Grizzly Industrial carries an extensive selection of ¼" shank router bits. The following router bit sets are a very small portion of what Grizzly carries. For the latest models and pricing, check our website, www.grizzly.com, our catalog, or call 1-800-523-4777.

Figure 15. Model H5554 20-Pc. ¼" Shank Router Bit Set.

G7984—Face Shield
H1298—Dust Sealed Safety Glasses
H1300—UV Blocking, Clear Safety Glasses
H2347—Uvex® Spitfire Safety Glasses
H0736—Shop Fox® Safety Glasses
Safety Glasses are essential to every shop. If you already have a pair, buy extras for visitors or employees.

Figure 16. Our most popular safety glasses.

H2499—Small Half-Mask Respirator
H3631—Medium Half-Mask Respirator
H3632—Large Half-Mask Respirator
H3635—Disposable Cartridge Filter Pr.
Wood dust is now considered a known carcinogen and has been linked to nasal cancer and severe respiratory illnesses. If you work around dust everyday, a half-mask respirator can be a lifesaver. Also compatible with safety glasses!

Figure 17. Half-mask respirator and disposable cartridge filters.

G1530—Router Pad
This natural rubber pad eliminates holding or clamping work while routing or sanding. It effectively grips the workpiece for safe non-slip routing. Thin pad can be easily rolled up and stored when not in use. Pad measures ⅛" x 24" x 36"

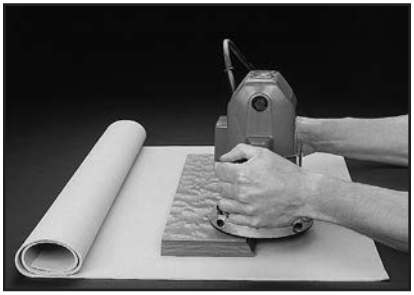


Figure 18. G1530 Router Pad.

G3468—Step Gauge
Use this solid brass router gauge to set consistent router bit depth. Measures in 1/16" increments. Also includes decimal equivalents. Made in USA.

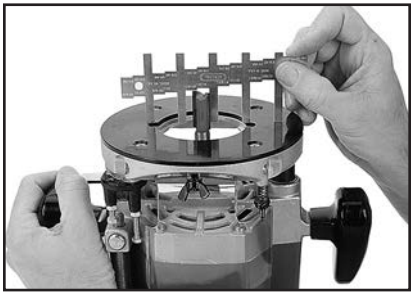


Figure 19. G3468 Step Gauge.

G6474—Router Magic
Teach your router to do magic you never dreamed possible. All you need are a handful of router bits and the extraordinary jigs, fixtures and techniques inside this book. More than 50 new jigs and fixtures with step-by-step instructions. 314 pages.

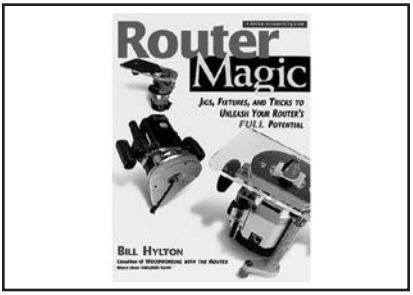


Figure 20. G6474 Router Magic.

H4836—The Art of the Router
This book stresses the versatility and cutting efficiency of this essential tool. Describes router bits, tables, and joinery techniques. But most of it is devoted to router projects, as artisans reveal their secret techniques and favorite ways to use the tool. 144 pages.

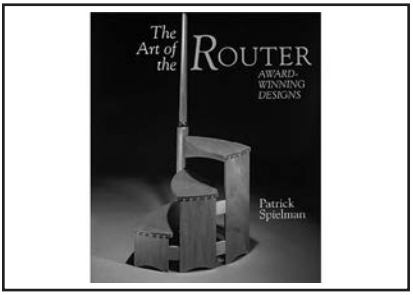
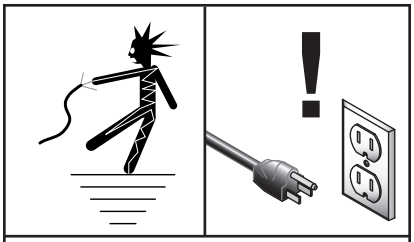


Figure 21. H4836 The Art of the Router.

SECTION 6: MAINTENANCE



WARNING

Always DISCONNECT POWER before servicing, adjusting, or doing maintenance to reduce the risk of accidental injury or electrocution.

Cleaning & Protecting

Cleaning the Model H7790/H7791 is relatively easy. Vacuum excess wood chips and sawdust, and wipe off the remaining dust with a dry cloth. If any resin has built up, use a resin dissolving cleaner to remove it.

Inspect the router for loose parts, damaged cord or switch, and inspect the bits for chips or cracks. Replace the bit if it is worn or damaged. Continuous use of a worn or damaged bit will not only decrease working efficiency, but also overload the motor, so the bit must be frequently checked.

With the exception of the motor brushes, the electrical components of this router are not user serviceable.

Contact our Technical Support at (570) 546-9663 for any repair work that requires opening the motor housing and for replacement parts.

Replacing Brushes

Motor brushes will become loaded with carbon deposits or wear out over time. Extend the life of the motor brushes by removing them periodically and cleaning off the carbon deposits.

If the motor will not run, makes squealing or grinding noises, or performance is dramatically decreased, check to see if the motor brushes need to be replaced. When replacing the motor brushes, replace both at the same time.

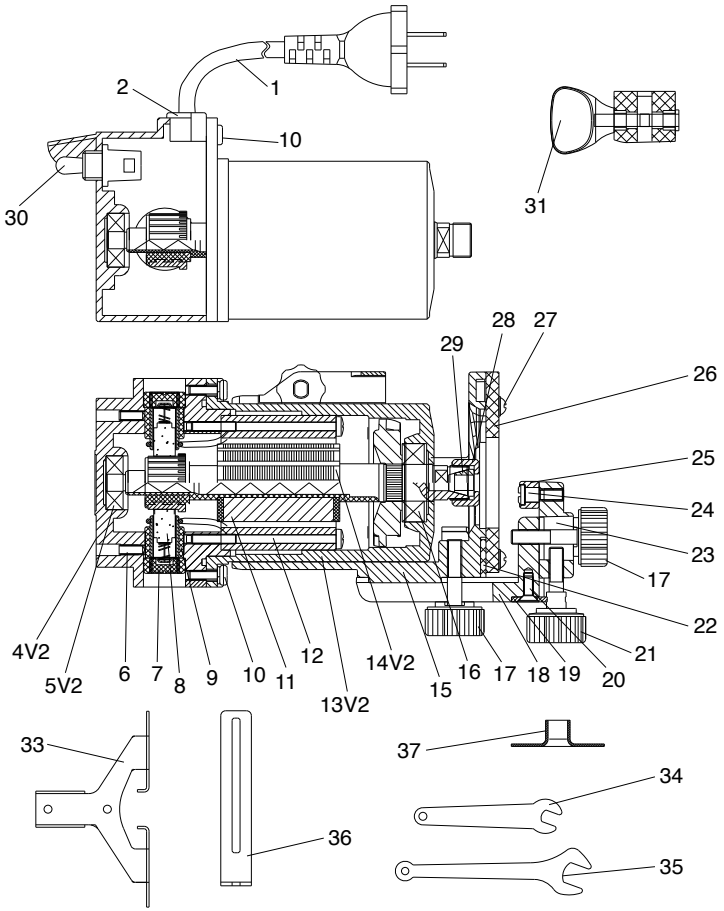
To replace the motor brushes:

1. Remove the caps on the sides of the motor housing as shown in **Figure 22**.

Figure 22. Replacing the motor brushes.

2. Replace the motor brushes and reinstall the caps.

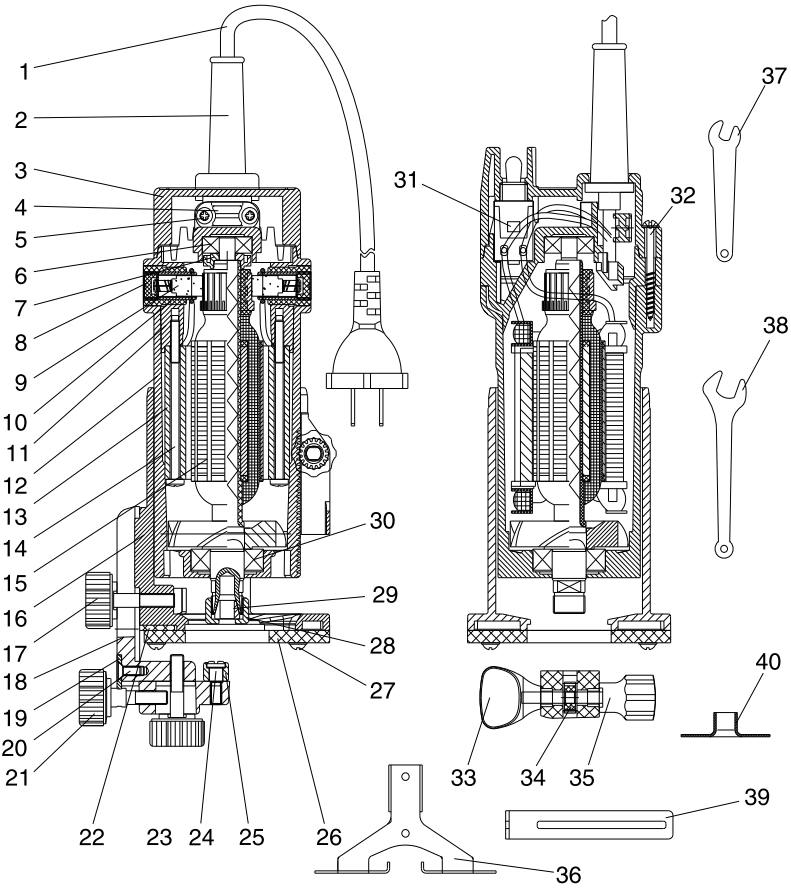
H7790 Parts Breakdown



REF	PART #	DESCRIPTION
1	PH7790001	POWER CORD 16G X 3W 73"L
2	PH7790002	STRAIN RELIEF
4V2	PH7790004V2	BACK COVER V2.03.18
5V2	PH7790005V2	BALL BEARING 608-2RS V2.03.18
6	PH7790006	SET SCREW M4-.7 X 10
7	PH7790007	BRUSH COVER
8	PH7790008	CARBON BRUSH
9	PH7790009	BRUSH TUBE
10	PH7790010	PHLP HD SCR M4-.7 X 12
11	PH7790011	STATOR
12	PH7790012	PHLP HD SCR M4-.7 X 60
13V2	PH7790013V2	SHELL V2.03.18
14V2	PH7790014V2	ROTOR V2.03.18
15	PH7790015	OUTSIDE COVER
16	PH7790016	BALL BEARING 6200ZZ
17	PH7790017	LOCK KNOB M6-1 X 25
18	PH7790018	TRIM GUIDE BRACKET
19	PH7790019	KNOB RETAINER

REF	PART #	DESCRIPTION
20	PH7790020	FLAT HD SCR M4-.7 X 10
21	PH7790021	ADJUSTING KNOB M6-1 X 20
22	PH7790022	BLOCK
23	PH7790023	TRIM GUIDE PLATE
24	PH7790024	SHOULDER SCREW M5-.8 X 11
25	PH7790025	BUSHING
26	PH7790026	BASE PLATE
27	PH7790027	TAP SCREW M4 X 10
28	PH7790028	COLLET NUT
29	PH7790029	COLLET
30	PH7790030	SWITCH
31	PH7790031	CLASPING KNOB
33	PH7790033	STRAIGHT GUIDE
34	PH7790034	WRENCH 10MM
35	PH7790035	WRENCH 17MM
36	PH7790036	GUIDE ADJ BRACKET
37	PH7790037	TEMPLATE GUIDE

H7791 Parts Breakdown



REF	PART #	DESCRIPTION
1	PH7791001	POWER CABLE
2	PH7791002	CABLE JACKET
3	PH7791003	BACK COVER
4	PH7791004	CABLE CLAMP
5	PH7791005	PHLP HD SCR M4-.7 X 16
6	PH7791006	BALL BEARING 627ZZ
7	PH7791007	BEARING GASKET
8	PH7791008	BRUSH TUBE
9	PH7791009	BRUSH COVER
10	PH7791010	CARBON BRUSH
11	PH7791011	MID COVER
12	PH7791012	SHELL
13	PH7791013	STATOR
14	PH7791014	PHLP HD SCR M4-.7 X 70
15	PH7791015	ROTOR
16	PH7791016	OUTSIDE COVER
17	PH7791017	LOCK KNOB M6-1 X 25
18	PH7791018	TRIM GUIDE BRACKET
19	PH7791019	KNOB RETAINER
20	PH7791020	FLAT HD SCR M4-.7 X 10

REF	PART #	DESCRIPTION
21	PH7791021	ADJUSTING KNOB M6-1 X 20
22	PH7791022	BLOCK
23	PH7791023	TRIM GUIDE PLATE
24	PH7791024	SHOULDER SCREW M5-.8 X 11
25	PH7791025	BUSHING
26	PH7791026	BASE PLATE
27	PH7791027	TAP SCREW M4 X 10
28	PH7791028	COLLET NUT
29	PH7791029	COLLET
30	PH7791030	BALL BEARING 6200ZZ
31	PH7791031	SWITCH
32	PH7791032	PHLP HD SCR M4-.7 X 40
33	PH7791033	CLASPING KNOB
34	PH7791034	LIFT GEAR
35	PH7791035	GEAR GUIDING KNOB
36	PH7791036	STRAIGHT GUIDE
37	PH7791037	WRENCH 10MM
38	PH7791038	WRENCH 17MM
39	PH7791039	GUIDE ADJ BRACKET
40	PH7791040	TEMPLATE GUIDE

WARRANTY

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

To take advantage of this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number,'' which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.

Grizzly industrial, inc. WARRANTY CARD

Name_____

Street_____

City _____ State_____ Zip _____

Phone #_____ Email _____ Invoice #_____

Model # _____ Order #_____ Serial #_____

The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. ***All information is strictly confidential.***

1. How did you learn about us?

____Advertisement ____Friend ____Catalog
____Card Deck ____Website Other:_____

2. Which of the following magazines do you subscribe to?

____ Cabinet Maker	____ Popular Mechanics	____ Today's Homeowner
____ Family Handyman	____ Popular Science	____ Wood
____ Hand Loader	____ Popular Woodworking	____ Wooden Boat
____ Handy	____ Practical Homeowner	____ Woodshop News
____ Home Shop Machinist	____ Precision Shooter	____ Woodsmith
____ Journal of Light Cont.	____ Projects in Metal	____ Woodwork
____ Live Steam	____ RC Modeler	____ Woodworker West
____ Model Airplane News	____ Rifle	____ Woodworker's Journal
____ Modeltec	____ Shop Notes	____ Other:
____ Old House Journal	____ Shotgun News	

3. What is your annual household income?

____$20,000-$29,000 ____$30,000-$39,000 ____$40,000-$49,000
____$50,000-$59,000 ____$60,000-$69,000 ____$70,000+

4. What is your age group?

____20-29 ____30-39 ____40-49
____50-59 ____60-69 ____70+

5. How long have you been a woodworker/metalworker?

____0-2 Years ____2-8 Years ____8-20 Years ____20+ Years

6. How many of your machines or tools are Grizzly?

____0-2 ____3-5 ____6-9 ____10+

7. Do you think your machine represents a good value? ____Yes ____No

8. Would you recommend Grizzly Industrial to a friend? ____Yes ____No

9. Would you allow us to use your name as a reference for our customers in your area?
Note: *We never use names more than 3 times.* ____Yes ____No

10. Comments:_____

_____

_____

_____