

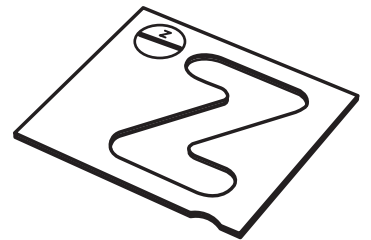
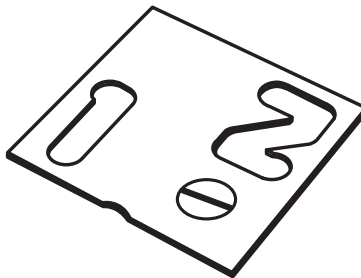
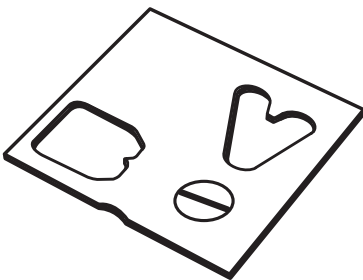
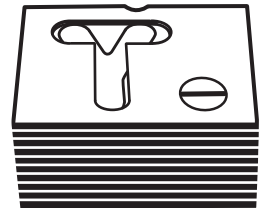
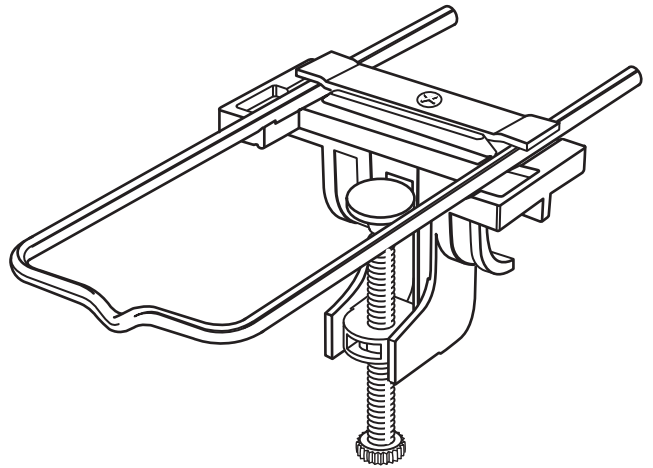
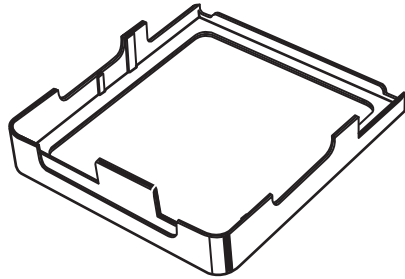
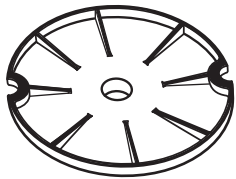


OPERATOR'S MANUAL

LETTER TEMPLATE SET AND

GUIDE BUSHINGS

A25RE02



Your routing kit has been engineered and manufactured to our high standard for dependability, ease of operation, and operator safety. When 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 your purchase.




SAVE THIS MANUAL FOR FUTURE REFERENCE

SYMBOLS

Some of the following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear safety goggles or safety glasses with side shields, or a full face shield when operating this product.
	Safety Alert	Precautions that involve your safety.

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	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.
	CAUTION:	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

ASSEMBLY



WARNING:

READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

READ ALL INSTRUCTIONS

- **KNOW YOUR ACCESSORY.** Read the operator's manual carefully. Learn the applications and limitations as well as the specific potential hazards related to this tool.

Safe operation of this accessory requires that you read and understand this operator's manual, the operator's manual for the tool with which this product is intended to be used, and all labels affixed to the tool.

ASSEMBLY

UNPACKING

This product requires assembly.

- Carefully remove accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the accessories carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please call 1-800-525-2579 for assistance.

PACKING LIST

Router Bit Set (15)

Router Lettering Template Set

2-1/2 in. Letter and Number Template Set

1-1/2 in. Letter and Number Template Set

Hardware for Mounting Letter Template Set

Guide Bushings (5) with Screws (2)

DVD

CD

Non-skid Mat

Tool Bag

Operator's Manual

WARNING:

If any parts are missing do not operate this product until the missing parts are replaced. Failure to do so could result in possible serious personal injury.

WARNING:

Do not attempt to modify these accessories. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

ASSEMBLING THE U-BOLT, MOUNTING BRACKET, AND CLAMP SCREW

See Figures 1 - 2.

- Lay the U-bolt clamp on the mounting bracket with the countersink up, away from the mounting bracket.
- Fit the square nut under the bracket and insert the flat head screw in the countersink.
- Slide the U-bolt under the clamp and tighten the flat head screw.

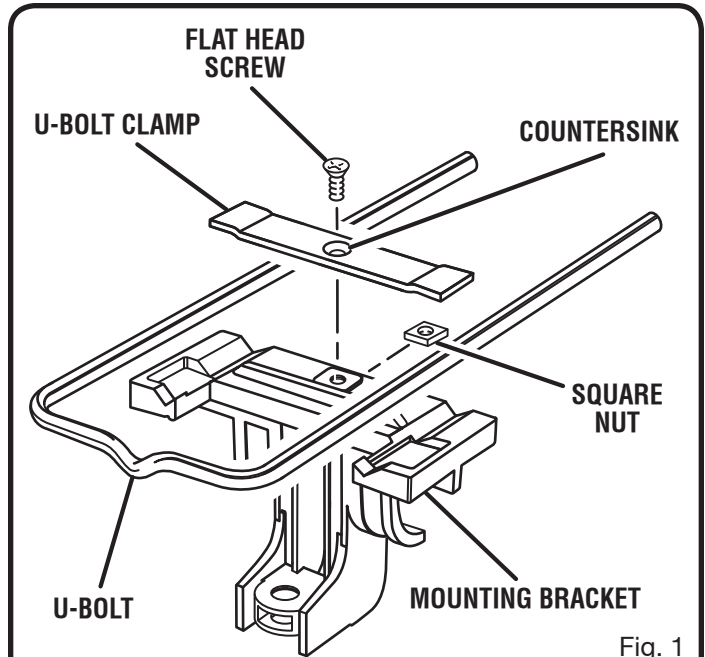


Fig. 1

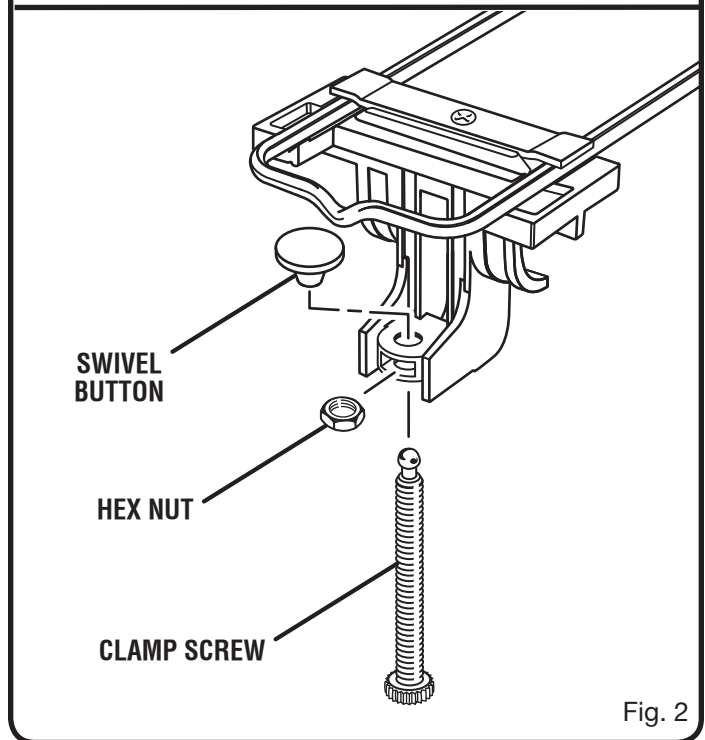


Fig. 2

- Insert the hex nut into the slot located in the lower part of the mounting bracket.
- Thread the clamp screw through the nut with the ball end pointing up.
- Push the swivel button on the ball end of the clamp screw.

OPERATION

⚠ WARNING:

Do not allow familiarity with tools to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

⚠ WARNING:

Always wear safety goggles or safety glasses with side shields when operating tools. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

⚠ WARNING:

Failure to unplug your router could result in accidental starting causing serious injury.

APPLICATIONS

You may use this accessory for the purposes listed below:

- Routing letters and numbers with templates
- Routing curves and complex shapes with the use of templates

SETTING UP THE TEMPLATE

See Figures 3 - 4.

- Lay the workpiece on a workbench and place mounting bracket on the workpiece with the U-bolt over the workpiece and the clamp screw under the workbench.
NOTE: Clamp screw will hold workpiece to workbench while routing if total thickness of both is 1-3/4 in. or less. When thickness of workpiece and workbench exceeds 1-3/4 in., use a clamp to hold workpiece to workbench and the clamp screw to hold mounting bracket to workpiece.
- Lay letter template on top of U-bolt, leaving room between cross member of U-bolt and end of template for letter frame.
- Slip letter frame over template and U-bolt until legs are against workpiece. Be sure that letter frame is over cross member of U-bolt and template is up inside letter frame.
- Loosen flat head screw, and adjust U-bolt to position template in desired location over workpiece. Retighten.

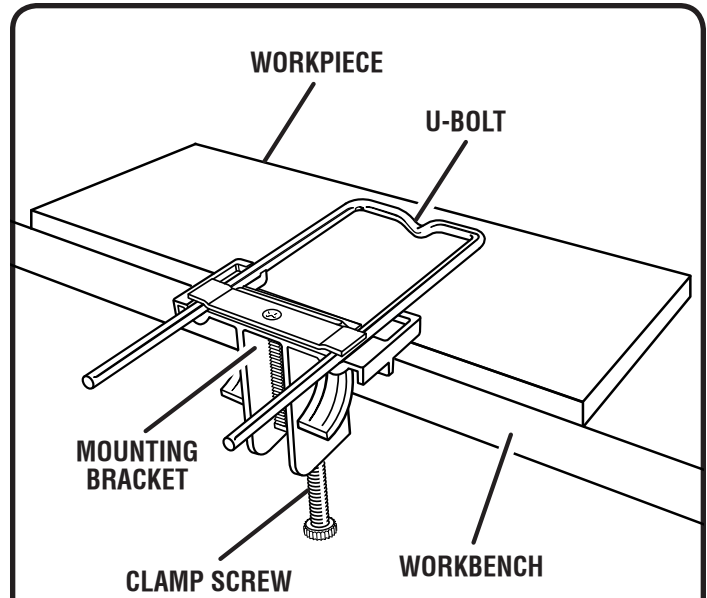


Fig. 3

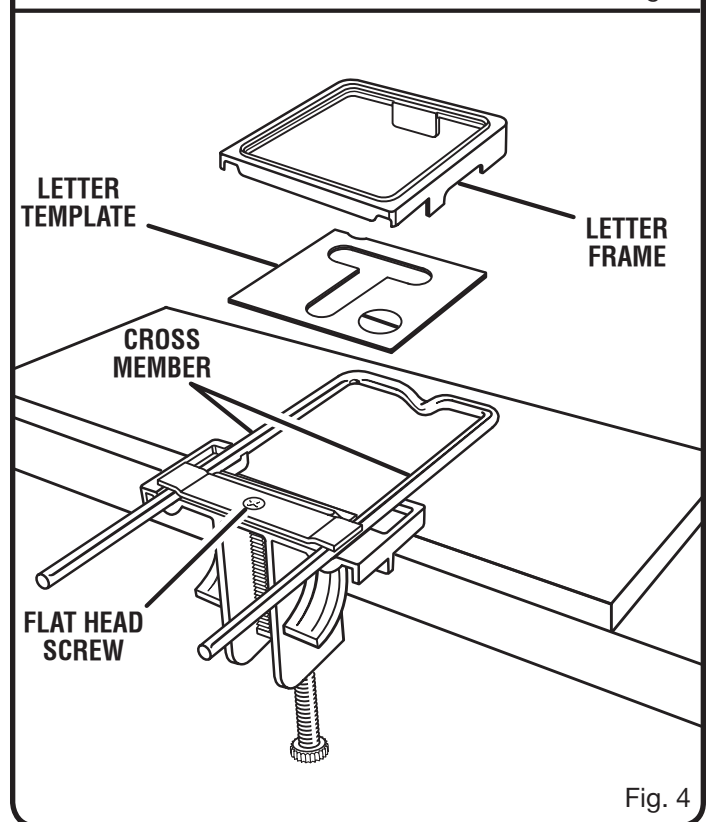


Fig. 4

OPERATION

ROUTING WITH GUIDE BUSHING

You can accurately duplicate curves and complex shapes by fitting your router with a template guide bushing that extends below the subbase. The router bit passes through the guide bushing. The guide bushing then rides against a template.

INSTALLING TEMPLATE GUIDE BUSHING

See Figures 5 - 7.

- Unplug your router.
- Place router upside down on workbench.
- Place template guide bushing in recessed portion of router base.
- Align the cutouts in guide bushing with threaded holes in base.
- Secure guide bushing to router base with screws provided.
- Tighten screws securely.

WARNING:

Failure to tighten screws could cause bit to come in contact with bushing, resulting in serious injury.

When routing with template guide bushings it is necessary to allow for size differences between the cutting edge of the bit and the face of the guide bushing collar. When making templates, always allow for this size difference.

NOTE: Special Instructions for use with routers R181D, R181FB, R181PF, R1801M, and RE1802M.

- Unplug your router.
- Follow the previous steps to secure the guide bushing to subbase.
- Tighten screws securely.
- Loosen the 4 subbase screws that secure the subbase to the router base.
- Set bit to desired depth and lock depth lock.
- Adjust subbase so that the end of the bit is centered in collar of the bushing.
- Tighten the 4 subbase screws securely.

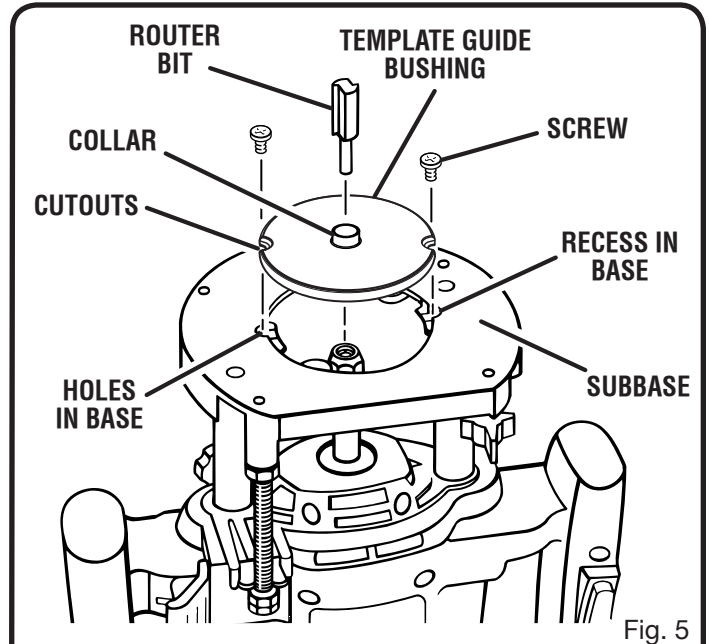


Fig. 5

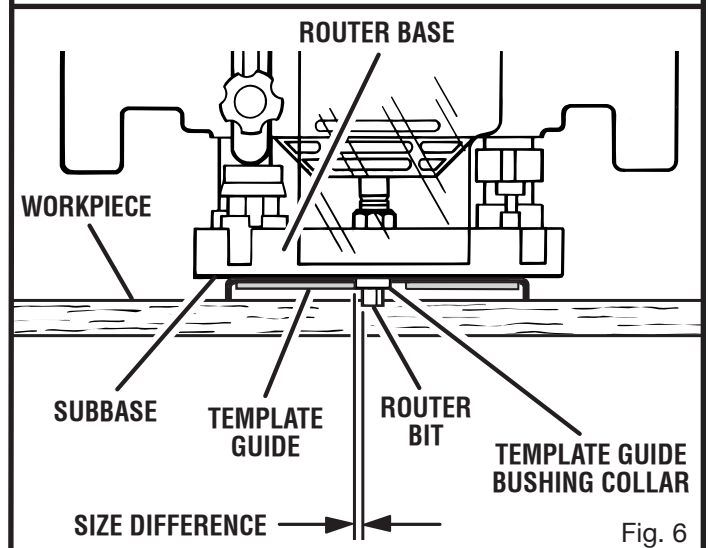


Fig. 6

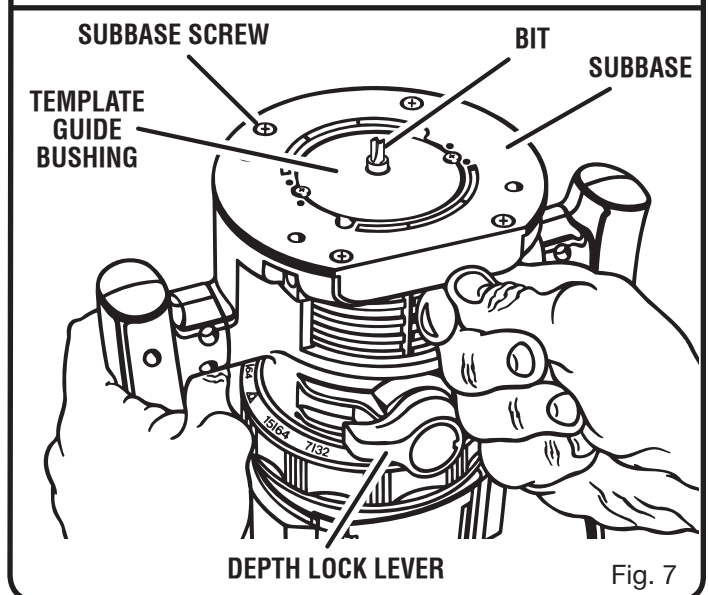


Fig. 7

OPERATION

ROUTING WITH THE TEMPLATE

See figures 8 - 10.

NOTE: Refer to the Operator's Manual that accompanied your router for instructions on how to correctly install and remove router bits.

Before making a cut in the workpiece, rout the first letter in scrap material to get a feel for guiding the router around the template.

- With bit installed in router, set bit to desired depth of cut.

- Place router guide bushing into letter opening.

NOTE: Template guide bushing must be in contact with letter template with bit slightly above workpiece when router is started.

- Turn router on and lower into wood until router base rests on letter frame.

- Follow opening with slight pressure to outside of letter until you have routed completely around the letter and returned to where you started.

- Turn router off and wait until bit comes to a complete stop before lifting router off letter frame.

- Loosen clamp screw.

- Slide mounting bracket to the right until left side of letter frame lines up with edge of routed letter just completed. (This gives you uniform spacing between each letter.)

- Remove template of letter just routed and replace with next template to be used.

- Continue process until project is complete.

HELPFUL HINTS

- When using the small set of letter templates, always position the letter to be routed in the lower left hand corner of the letter frame.

- Redwood is a good sign material. It is easy to rout and has a long outdoor life.

- Finish your sign quickly and easily by painting the entire top surface of the finished sign with fast drying paint. (Using paint in aerosol cans is helpful.) Sand the top surface of the sign leaving the paint in routed letters. The non-skid mat is useful for holding the sign in place.

- Vertical signs can be routed by turning the letter template 90° in the letter frame.

- Letters can be routed close to the edge of a sign by turning workpiece around. Turn letter templates around and locate letters close to the far edge of the workpiece.

WARNING:

Some workpieces may not be securely held with the non-skid mat. Always assure your workpiece is securely held in place by the mat or clamps before beginning any cutting operation.

