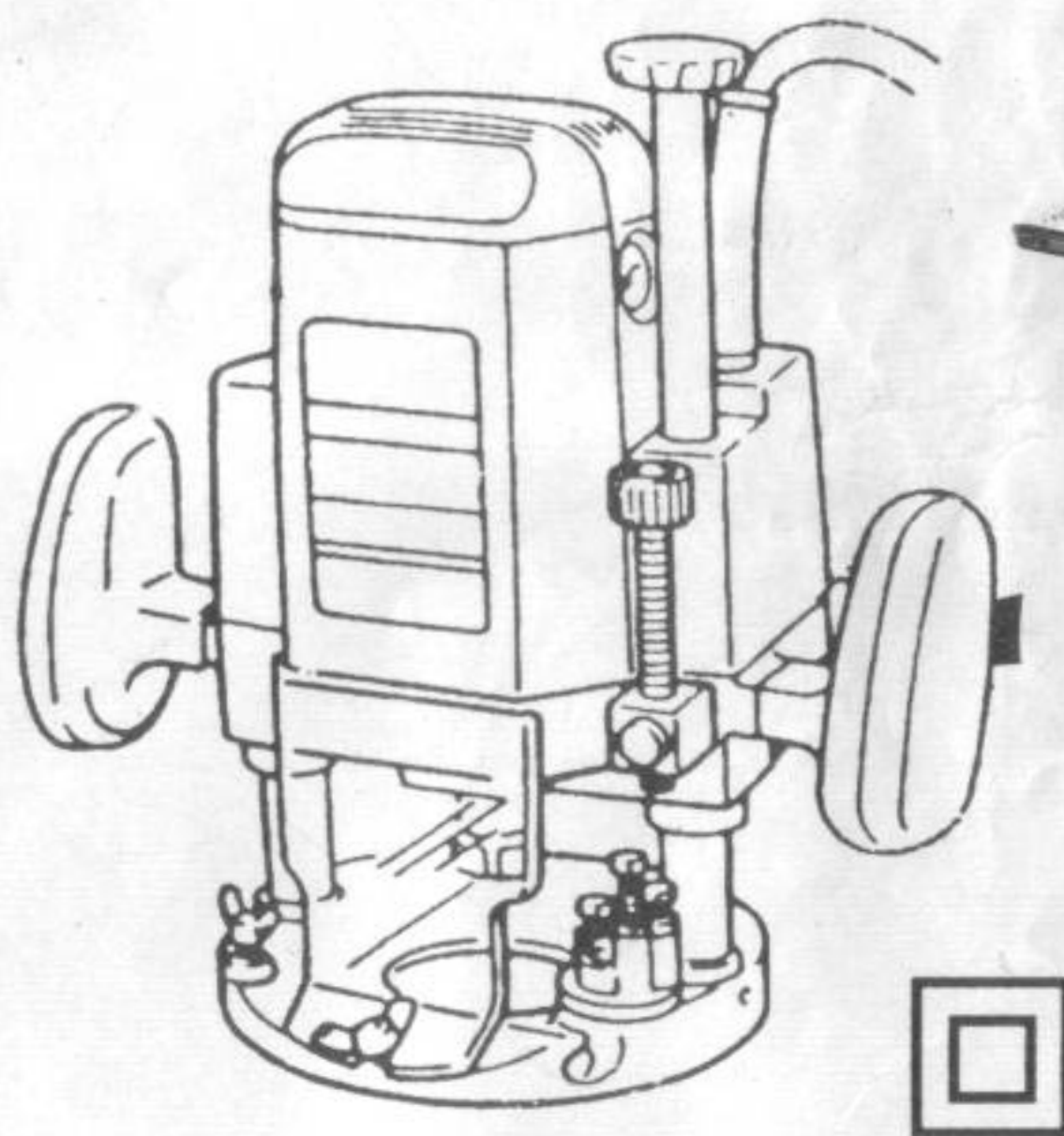


MODEL M1R-KW02-12

**2 HP ELECTRIC
PLUNGE ROUTER
INSTRUCTION MANUAL**



**PLEASE READ AND UNDERSTAND INSTRUCTION
MANUAL BEFORE USING THIS TOOL**

KEEP INSTRUCTION MANUAL WITH TOOL

PLUNGE ROUTER MODEL M1R-KW02-12

CHAPTER

1

General Safety Precautions

Note

To reduce the risk of injury, fire, and related accidents, follow these IMPORTANT safety tips

1. Keep work area clean.
2. Do not use electric power tools in wet or very damp locations, near flammable materials, or combustible gasses.
3. Keep children away from work area when using electric power tools.
4. When not in use, electric power tools should be stored in a dry location and locked away to avoid accidental use.
5. Do not overwork power tools. Stay within the limits of the work load capacity of each tool.
6. Do not operate electric power tools while wearing loose clothing. Wear proper work clothes, shoes, headgear, and gloves.
7. Wear safety glasses at all times and a respirator to avoid inhalation of fine dust.
8. Properly maintain the integrity of the cordset. Inspect for fraying or loose insulation or damaged plug. Do not pull the cordset out of the outlet by tugging on the cord. Keep cordset away from caustic chemicals, high temperatures, and sharp objects.
9. Ensure that all work pieces are properly anchored or clamped down before using electric power tools.
10. Use proper posture when operating power tools to avoid slipping.
11. Inspect router bits before each use. Do not use bits with dull or damaged cutting edges. Unplug tool before installing or changing router bits. Unplug tool when finished or not in use.

GENERAL SAFETY PRECAUTIONS

- 12.** Inspect tool before each use for loose guides, stops, or other parts. Tighten where necessary. Be sure clear protective plastic shield is intact and secure to prevent wood chips from traveling.
- 13.** Remember to remove adjustment and collet wrenches before each use.
- 14.** Unplug tool before performing regular maintenance, cleaning, or brush replacement, etc.
- 15.** Keep your mind on the job at hand and stay alert. Never operate power tools while fatigued.

STENCIL BOARD GUIDE:

The stencil board guide provides a sleeve for the router bit so the router can move easily within the stencil's design.

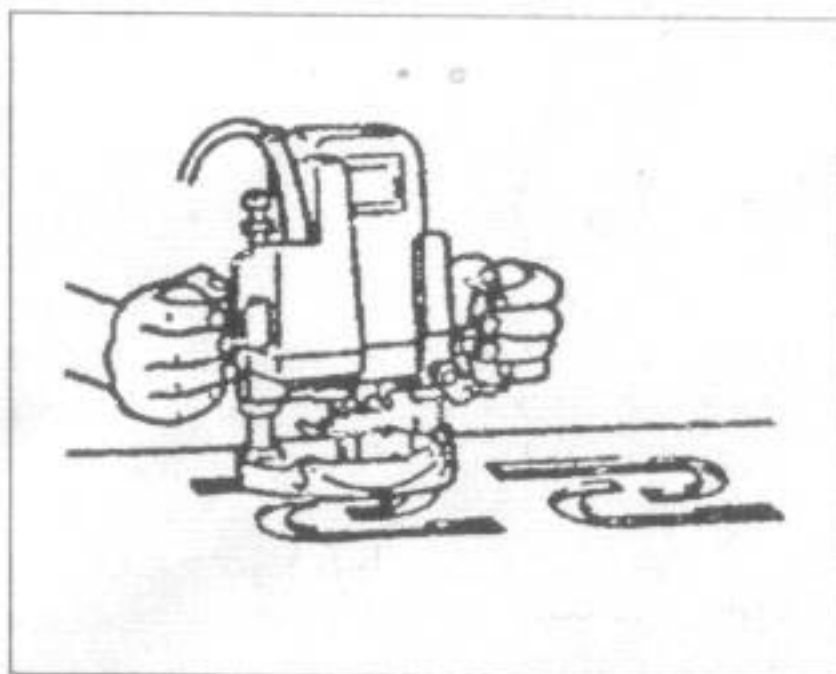


Diagram P11

To install the stencil board guide, loosen the two screws in the base (see diagram P12). Drop in the stencil board guide and re-fasten the two screws.

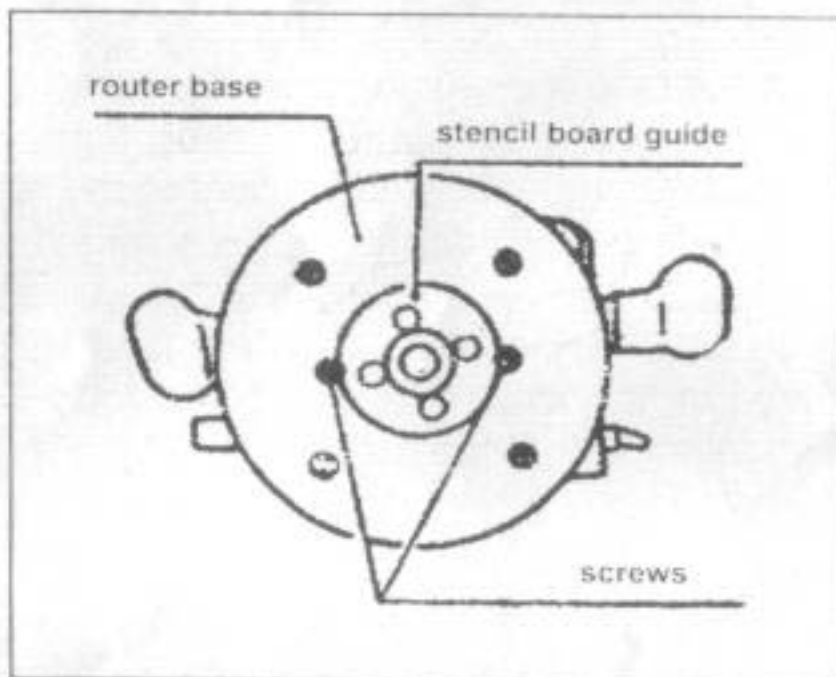


Diagram P12

Clamp or nail the stencil to the workpiece, then slide the stencil board guide along the rim of the stencil while simultaneously moving the tool (see diagram P13).

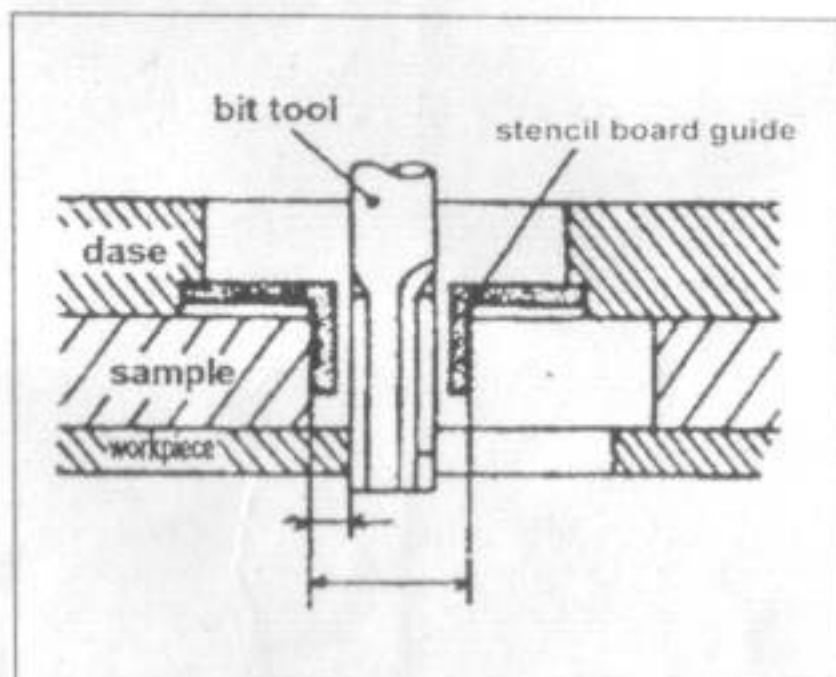


Diagram P13

Using Your Plunge Router - Model M1R-KW02-12

I. Inserting and Removing Router Bits

Note

Before attempting to insert or remove a bit, unplug the router.

1/2" Shaft Router Bits: (see diagram P1)

Insert the router bit into the cone-shaped collet chuck as deep as possible, then pull it out slightly (about 1/16"). Depress the shaft lock button to lock the shaft while you tighten the collet chuck with a wrench (included).

1/4" and 3/8" Router Bits:

For router bits with 1/4" or 3/8" shafts, insert the corresponding collet adapter (included) first, then insert the bit into the adapter. Depress the shaft lock button to lock the shaft while you tighten the collet chuck with the wrench included.

Reverse the above procedures to remove bits.

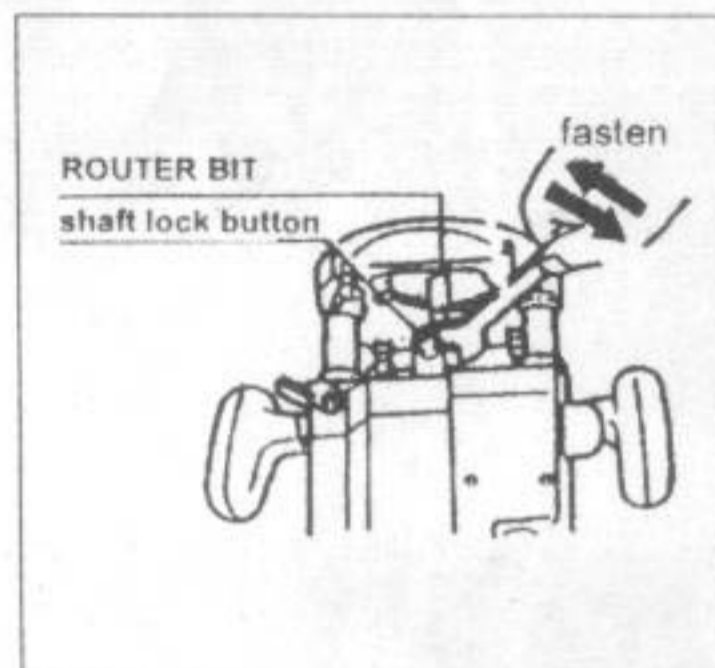


Diagram P1

II. Setting the Plunge Depth

1. Install the desired plunge bit (see Section I. above)
2. Unlock (lift) the router height locking lever next to the right handle (see diagram P2).
3. Raise the motor housing by loosening the large upper limit setting knob to a height that allows the base of the bit to clear just slightly higher than the base of the router.

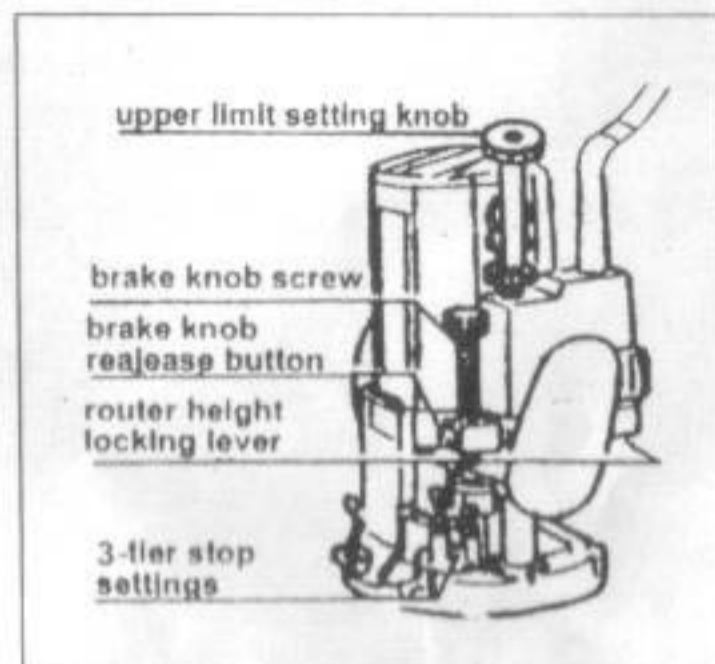


Diagram P2

4. Place the router on a solid, flat surface.
5. Lower the router until the tip of the router bit is in contact with the flat surface, then lock (push down) the router height locking lever.
6. Lower the brake knob screw until it presses firmly against the shortest of the three stop settings. (Note: Press the brass brake knob release button to allow it to turn more freely).
7. Make a note of where the top of the brake knob aligns with the measurement gauge on the side of the housing.
8. Use the measurement gauge to raise the brake knob a distance equal to the total depth desired. (Note: the total plunge depth must not exceed the length of the cutting edge of the router bit).

SAFETY Note

On any one pass, the maximum plunge depth must not exceed 9/16" or 15MM. The 3-tier safety stop assembly is preset to keep each plunge depth within the maximum, hence, if the desired plunge depth is greater than 9/16" or 15MM, simply rotate the stop settings until the tallest stop is aligned just beneath the base of the brake knob screw. After the first pass, rotate the stop setting to the next tallest stop, and continue until the desired depth is achieved

Regulate the upper limit of the router body by rotating the upper limit knob. The ideal upper limit is when the base of the router bit clears just above the router base when the router height locking lever is released.

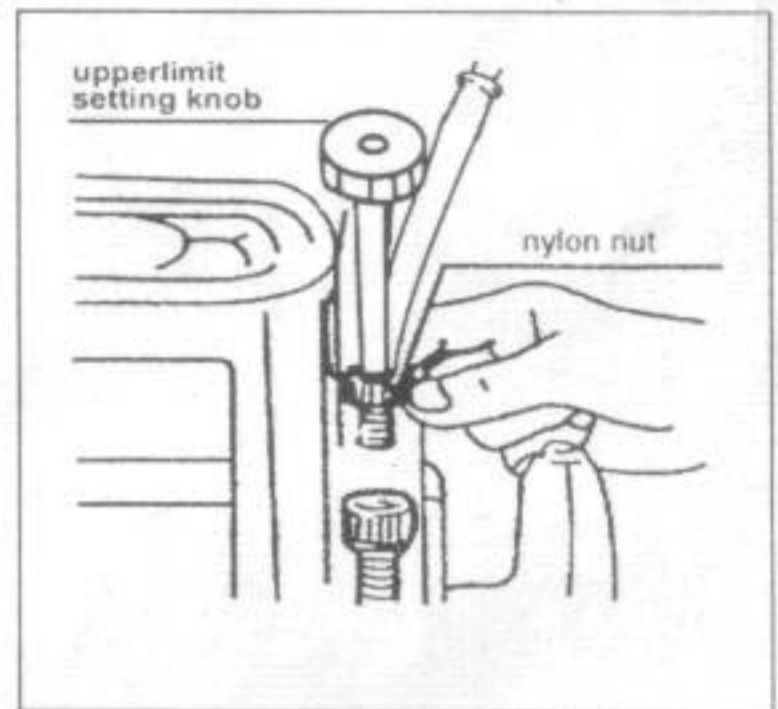


Diagram P3

SAFETY NOTES:

1. Do not raise the upper limit above the ideal position described above.
2. Before operating the router, make sure it can automatically ascend to the ideal upper limit referred to above.
3. Excessive cutting depth leads to motor overload and drag on the shaft. Limit each pass to a maximum depth of 9/16" or 15MM. Make multiple passes to achieve desired results. Maximum total plunge depth for this router is 2".
4. Use appropriate router bits for the job. Never attempt a plunge cut deeper than the length of the cutting edge of the bit.
5. Make sure the shaft lock button is fully released and the shaft rotates freely before each use.

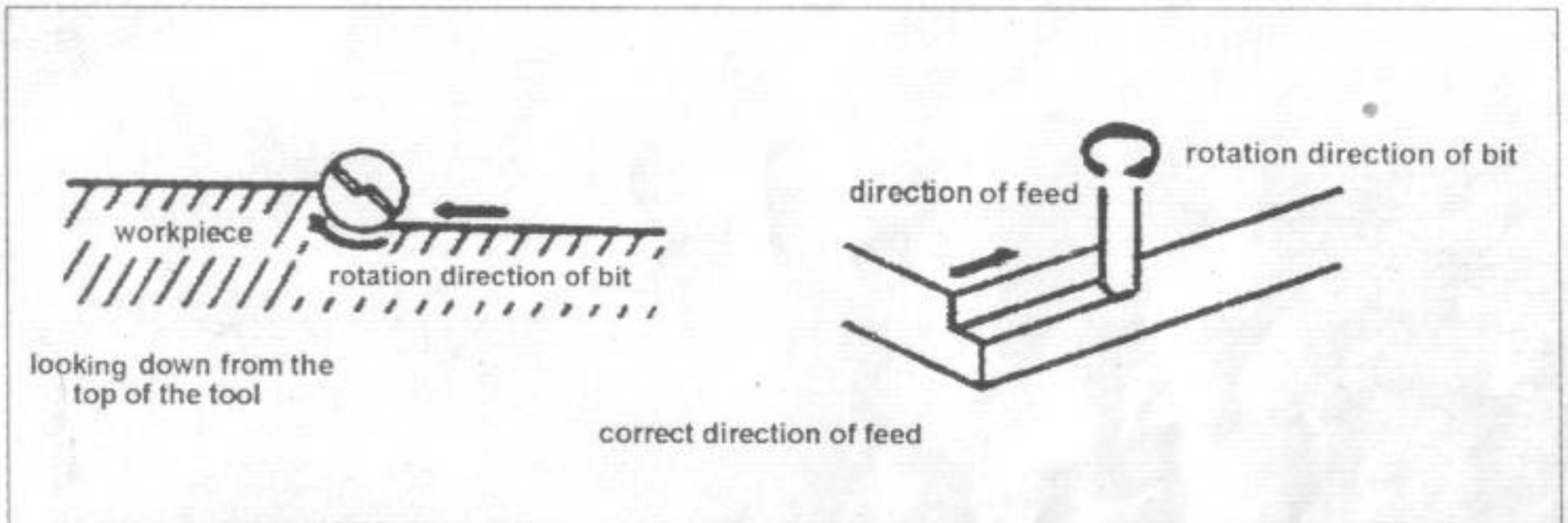


Diagram P4

OPERATION :

Place the router base on the workpiece while keeping the bit free and away from the workpiece. Switch the tool on and wait until it reaches full speed. The workpiece must be securely anchored (see diagram P4). The workpiece must be on the left side of the router bit when looking in the direction of the feed for edge cuts.

Cutting Tips: Guide the router slowly and evenly to obtain a quality cut and avoid overloading the tool. Keep moving the tool to avoid burning or discoloring the wood surface. Proper speed depends on the size of the bit, the type of wood, and the cutting depth. You may want to experiment on a similar piece of waste wood first, to get the proper feel.

When using the straight-line or trim guides, install them on the right side of the router (see diagrams P5-P10). Keep the edge of the workpiece in view by looking in the direction of feed.

STRAIGHT-LINE GUIDE:

Use the straight-line guide for optimum straight plunge cuts (see diagram P5).

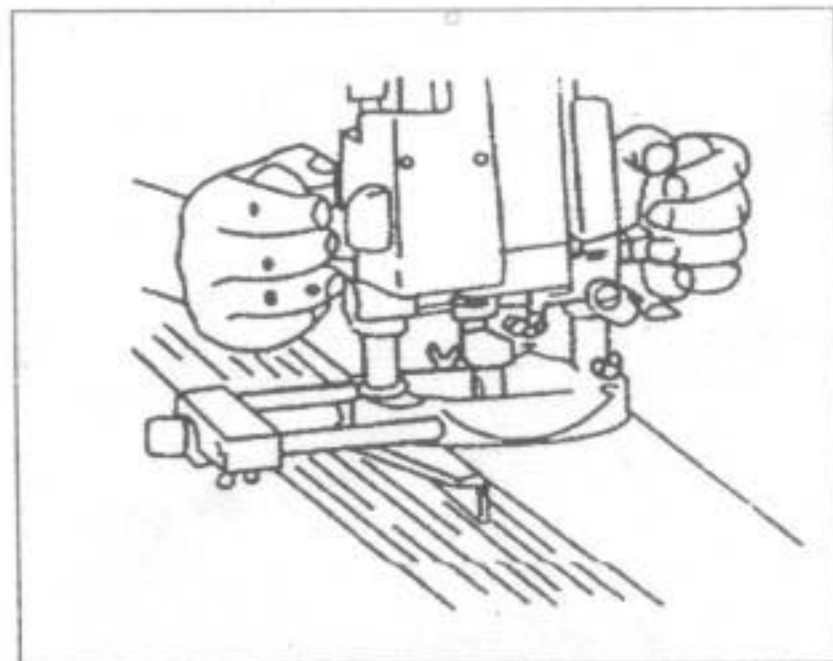


Diagram P5

Attach the straight-line guide to the base module guide mount (see diagram P6) with wing nut (B); loosely tighten. Attach the base module guide mount to the router base by sliding the two parallel rods through the corresponding openings in the router base; loosely tighten all three wing nuts (A). Slide the guide module in or out to achieve the desired distance between the router bit and straight guide before tightening wing nuts (A). To make fine adjustments, turn the trimming screw knob, then tighten wing nut (B).

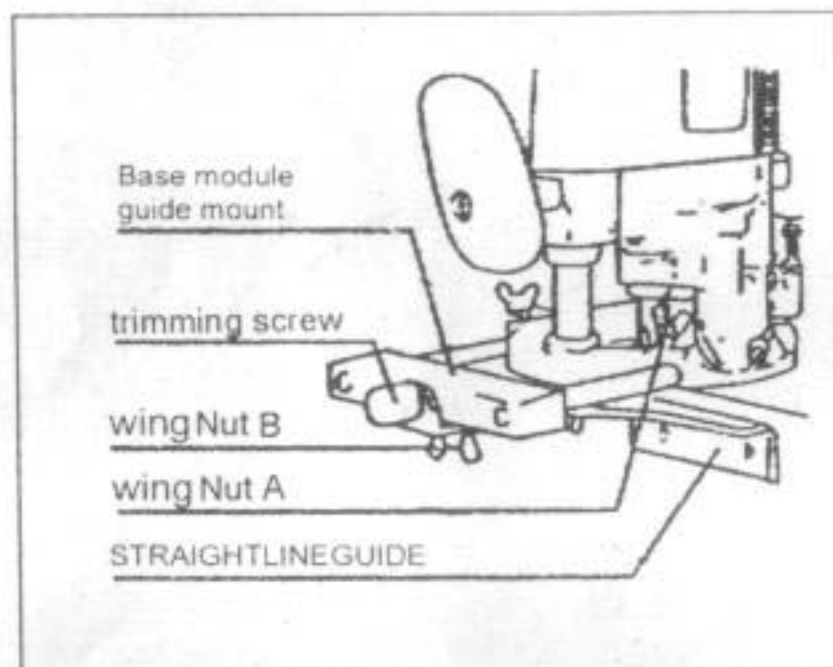


Diagram P6

If desired, you can extend the straight line guide by attaching straight pieces of hardwood to each arm of the guide. Remember to leave a sufficient opening for the router bit to work and an unobstructed view of the cutting area (see diagram P7).

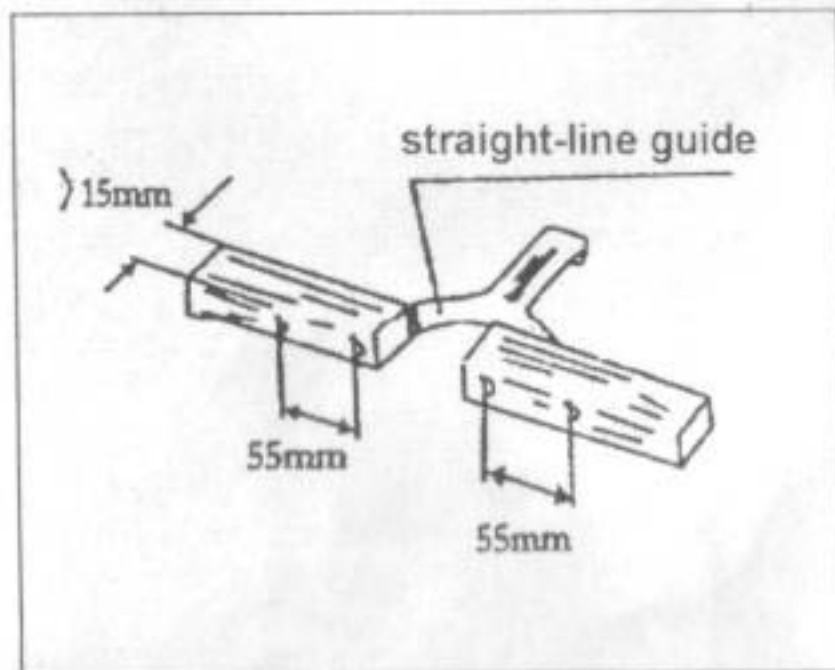


Diagram P7

TRIM GUIDE:

Use the trim guide for optimum curve cutting or trimming. The guide's roller ensures perfectly contoured cuts. (see diagram P8).

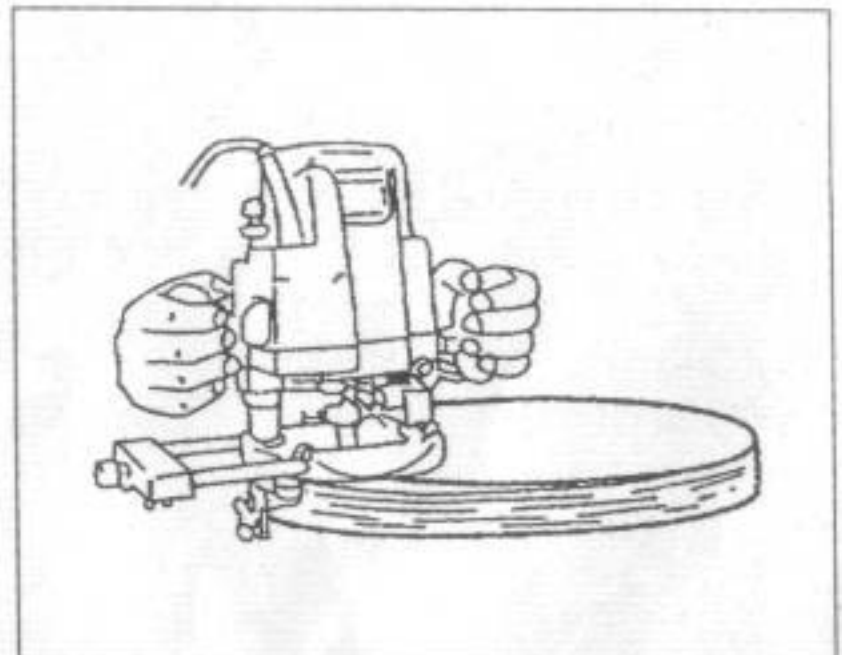


Diagram P8

Attach the trim guide to the base module guide mount with wing nut (B); loosely tighten. Attach the base module guide mount to the router base the same way you did for the straight guide (see diagrams P6 and P9). Slide the guide module in or out to achieve the desired distance between the router bit and the trim guide roller before tightening the three wing nuts (A). Fine tune the distance by turning the trimming screw knob; tighten wing nut (B). Adjust the height of the trim guide's roller using wing nut (C).

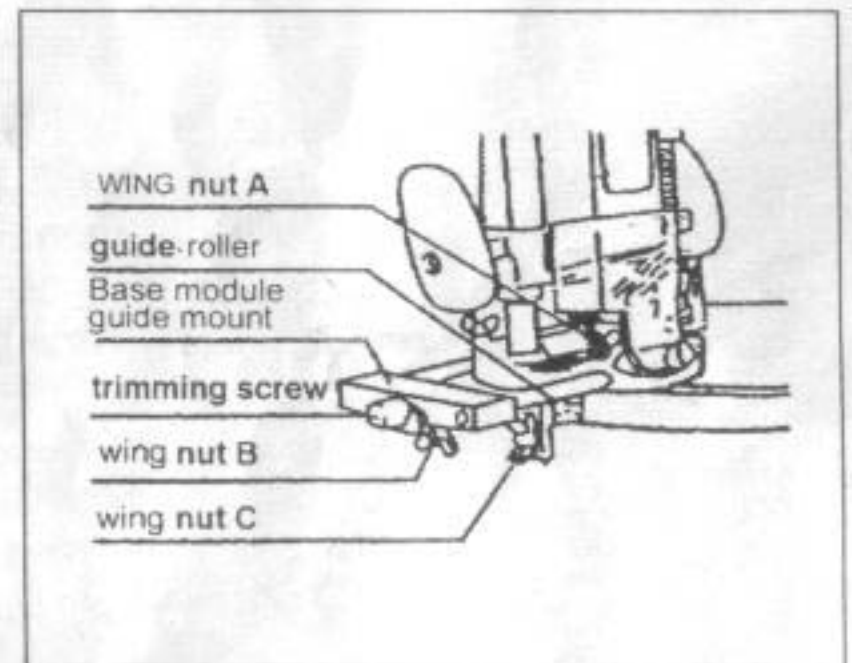


Diagram P9

Note: Check that the trim guide roller is positioned to roll along the edge of the workpiece correctly (see diagram P10). Double check to see that all wing nuts are tightened to prevent slippage.

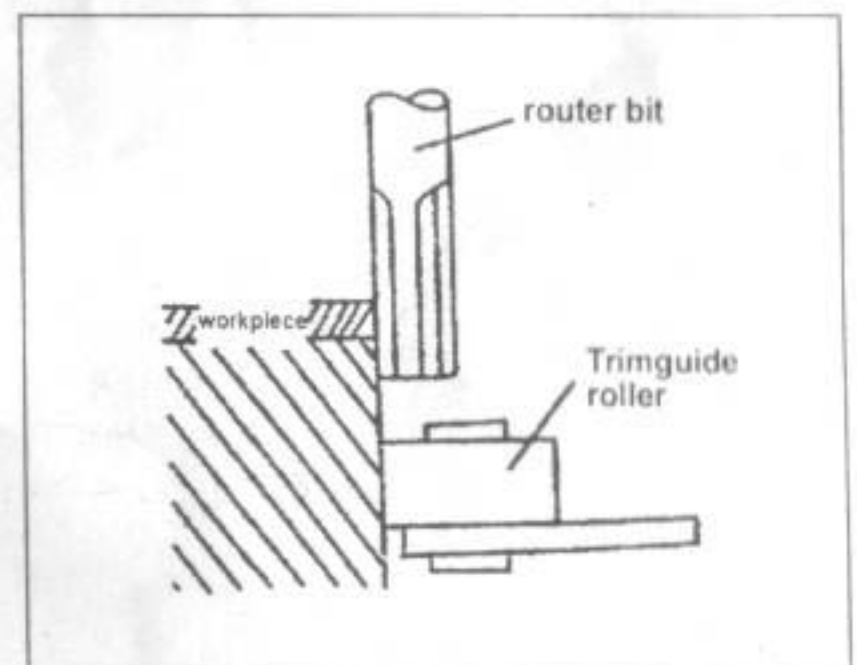


Diagram P10

Specific Safety Precautions for Plunge Router Model M1R-KW02-12

Note

To reduce the risk of injury, fire, and related accidents, follow these IMPORTANT safety tips when using electric power tools.

1. Router bits are very sharp. Use gloves when inserting and removing.
2. Examine each router bit carefully before using. Replace cracked, damaged, or dull bits once a flaw is found.
3. Check over workpiece to ensure it is free from nails. A router bit rotating at 22,000 RPM can shatter if it encounters a nail and cause injury.
4. Hold router tightly with both hands when in use.
5. Keep hands and clothing away from rotating components.
6. Be careful to keep router bit clear of any object or workpiece before starting the router. Bring the router up to speed before engaging the workpiece. Check for wobble; re-insert router bit correctly before using.
7. Check for correct feed direction (see diagram P5).
8. Router is equipped with a safety switch button on the right handle. To operate tool, depress the safety switch button then pull back on the trigger. To turn off, simply release the trigger.
9. During use, the router bit can become very hot. Use care and allow a few minutes to cool down or use gloves to remove or change bits.

MAINTENANCE:

Always unplug tool before cleaning and performing any maintenance. After using, clean and dust off tool before storing away.

Checking or Replacing Carbon Brushes:
Check the carbon brushes for wear and replace if worn down to a minimum thickness of 1/4". Always replace both brushes simultaneously (see diagram P14).

To replace brushes, remove plastic brush holder covers with a slotted screw driver. Remove the old brush and thoroughly clean out the brush cavities. Insert the new brushes and screw the brush covers back in. Do not over tighten.

Note: It will be necessary to completely unscrew and remove the upper limit setting knob on the right side of the router to get at the brush cover on that side. To do this, lock (push down on) the router height locking lever before unscrewing and removing the upper limit setting knob. When done, reverse the above procedure (see diagram P15).

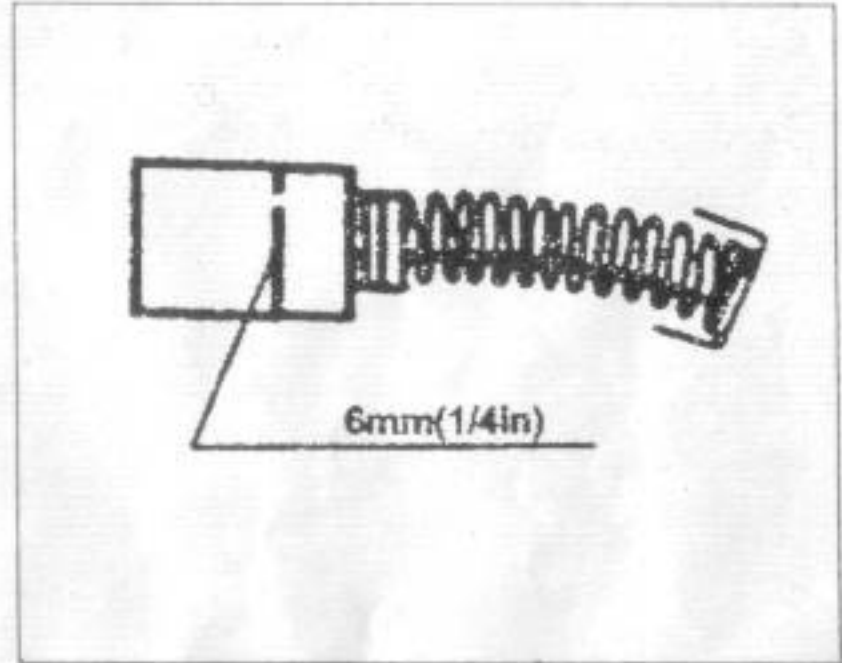


Diagram P14

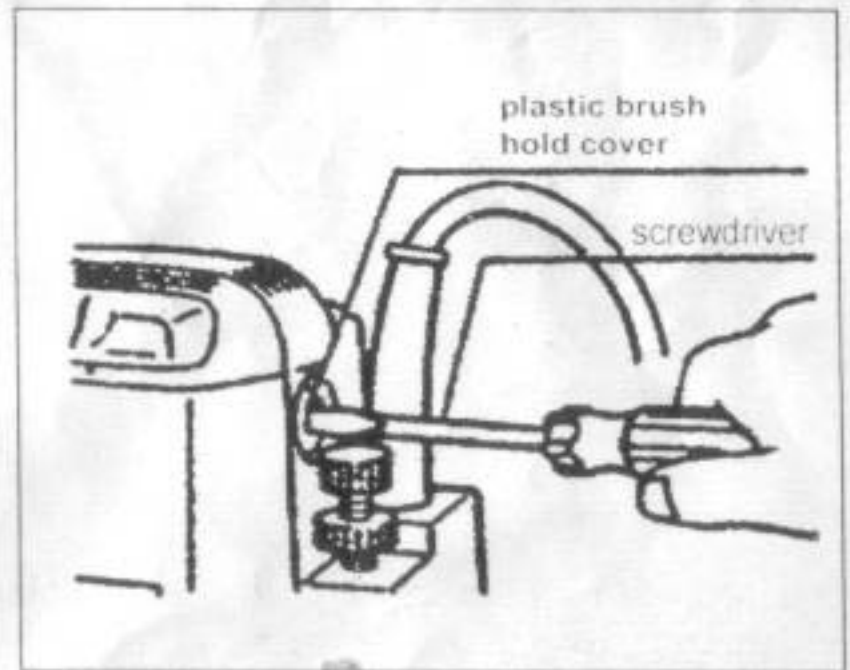


Diagram P15

MODEL M1R-KW02-12 PARTS LIST

No.	Part Name	Quantity
1	Pan Head Screw	2
2	Tall Cap	1
3	Brush Housing	2
5	Housing	1
6	Name Plate	1
7	Stator	1
8	Shield	1
9	Bear 629	1
10	Insulation Washer	1
11	Motor	1
12	Fan	1
13	Bearing Support	1
14	Bearing 6004	1
15	Left Handle	1
16	Motor Support	1
17	Spring	1
18	Brake Knob Release Button	1
19	Screw M5x40	4
20	Collet Chuck	1
21	Collet Sleeve	1
22	Screw M6x40	2
23	Right Handle	1
24	Spring	1
25	Clamping Screw	1
26	Router Height Locking Lever	1
27	Hexagon Socket HD Screw	1
28	Shaft Lock Button Cap	1
29	Retaining Ring	1
30	Shaft locking Pin	1
31	Spring	1
32	Brake Knob Screw	1
33	Screw M4x10	4
34	Screw M5x45	2
35	Brush Cover	2
36	Carbon Brush & Spring Assembly	2
37	Cord Shield	1
38	Clip	1
39	Screw ST4.2x16	2
40	Cord	1
41	Bearing Housing	1
42	Screw ST4.2x16	2

No.	Part Name	Quantity
45	Switch Safety Button	1
46	Trigger Switch	1
47	Switch Compartment Housing Cover	1
48	Housing Screw	2
49	Pin	1
50	Spring	2
51	Base Module	1
52	Screw M5x10	1
53	Plastic Shield	1
54	Screw M4x10	4
55	Screw M5x10	2
56	Base Plate	1
57	3-Tier Safety Stop	1
58	Nut for Hexagon Socket HD	1
59	Screw for Hexagon Socket HD	1
60	Spring	1
61	Screw M6x30	1
62	Nut for Hexagon Socket HD	1
63	Screw for Hexagon Socket HD	1
64	Nut for Hexagon Socket HD	1
65	Screw for Hexagon Socket HD	1
66	Spring	3
67	Screw M5x10	3
68	Upper Limit Setting Knob	1
71	Nylon Nut	1
72	Capacitor	1
-73	Cover Plate	1
A01	Straight Line Guide	1
A02	Stop Setting Wrench	1
A03	Collet Wrench	1
A04	Stencil Board Guide	1
A05	1/2" Straight Router Bit	1
A06	1/4" Collet Adapter	1
A07	3/8" Collet Adapter	1
A08	Screw M6x12	1
A09	Spring Washer 6	1
A10	Flat Washer 6	1
A11	Base Module Guide Mount	1
A12	Trimming Screw	1
A13	Trim Guide with Roller	1

HOW TO ORDER REPAIR PARTS

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

MODEL NUMBER: M1R-KW02-12

Place orders with:

Anaconda Universal Products

9600 Cozycroft, Suite B

Chatsworth, CA 91311

Phone: (818) 709-6020

Fax: (818) 709-6313

*+ Motor**Brushes*

PARTS DIAGRAM

