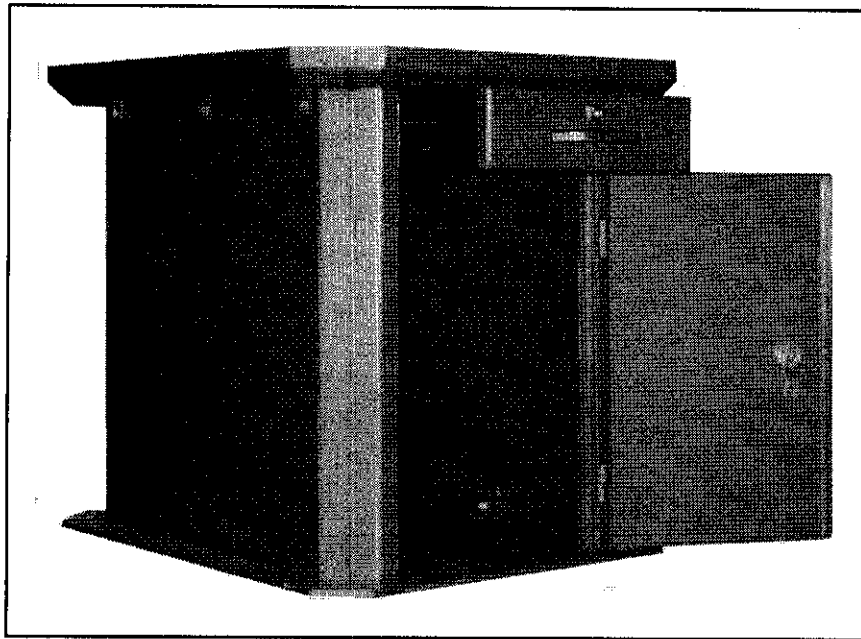


# STAND FOR MILLING/DRILLING MACHINE

**Model 47599**

(FOR USE WITH MODEL 33686 MILLING/DRILLING MACHINE)

## ASSEMBLY INSTRUCTIONS



3491 Mission Oaks Blvd., Camarillo, CA 93011  
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**For technical questions, please call 1-800-444-3353.**

## SPECIFICATIONS TABLE

Item	Description
Product Compatibility	For Use With Model 33686 Milling/Drilling Machine
Maximum Weight Capacity	2,200 Pounds
Top Dimensions	22-3/4" x 29-1/8"
Base Dimensions	21" x 27-5/8"
Drawer Dimensions	10-1/8" W x 15-1/8" D
Overall Dimensions	29-1/8" L x 22-7/8" W x 24-5/8" H
Base Mounting Holes	2 At 17-9/16" x 23-7/8" On Center 2 At 17-7/16" x 24" On Center 4 At 17-5/16" x 24" On Center
Base Mounting Hole Size	5/8" (14mm)
Machine Mounting Holes	2 At 13-1/8" x 18-1/4" On Center 2 At 12-15/16" x 18-1/4" On Center 4 At 12-7/8" x 18-1/4" On Center
Machine Mounting Hole Size	5/8" (14mm)
Weight	133 Pounds

## SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

## GENERAL SAFETY WARNINGS AND PRECAUTIONS

1. **KEEP WORK AREA CLEAN AND DRY.** Cluttered, damp, or wet work areas invite injuries.
2. **KEEP CHILDREN AWAY FROM WORK AREA.** Do not allow children to handle this product.
3. **STORE IDLE EQUIPMENT.** When not in use, tools and equipment should be stored in a dry location to inhibit rust. Always lock up tools and equipment, and keep out of reach of children.
4. **DO NOT USE THIS PRODUCT IF UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.** Read warning labels on prescriptions to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to use this product.

5. **USE EYE AND BREATHING PROTECTION.** Wear ANSI approved safety impact eye goggles when assembling this product. Also, use ANSI approved safety impact goggles, full face shield, and dust mask or respirator when working with a Milling/Drilling machine.
6. **DRESS SAFELY.** Do not wear loose clothing or jewelry, as they can become caught in moving parts. Wear a protective hair covering to prevent long hair from becoming caught in moving parts. If wearing a long-sleeve shirt, roll sleeves up above elbows.
7. **DO NOT OVERREACH.** Keep proper footing and balance at all times to prevent tripping, falling, back injury, etcetera.
8. **INDUSTRIAL APPLICATIONS MUST FOLLOW OSHA REQUIREMENT.**
9. **STAY ALERT.** Watch what you are doing at all times. Use common sense. Do not use this product when you are tired or distracted from the job at hand.
10. **CHECK FOR DAMAGED PARTS.** Before using this product, carefully check that it will operate properly and perform its intended function. Check for damaged parts and any other conditions that may affect the operation of this product. Replace or repair damaged or worn parts immediately.
11. **REPLACEMENT PARTS AND ACCESSORIES:** When servicing, use only identical replacement parts. Only use accessories intended for use with this product. Approved accessories are available from Harbor Freight Tools.
12. **MAINTAIN THIS PRODUCT WITH CARE.** Keep this product clean, dry, and keep all cutting bits sharp for better and safer performance.
13. **MAINTENANCE:** For your safety, service and maintenance should be performed regularly by a qualified technician.
14. **USE THE RIGHT PRODUCT FOR THE JOB.** Do not attempt to force a small product to do the work of a larger industrial product. This product is designed for use only with the Model 33686 Milling/Drilling machine. There are certain applications for which this product was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this product, and do not use this product for a purpose for which it was not intended.
15. **WARNING:** The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors, which cannot be built into this product, but must be supplied by the operator.

## SPECIFIC PRODUCT WARNINGS AND PRECAUTIONS

1. This Milling/Drilling Stand is designed for use only with the **Model 33686 Milling/Drilling Machine** (available from Harbor Freight Tools).
2. **CAUTION:** Do not exceed the weight capacity (**2,200 pounds**) of the Milling/Drilling Stand. Make sure the Milling/Drilling Stand is located on a flat, level, sturdy, surface capable of supporting the weight of the Stand, Milling/Drilling Machine, tools, and objects being stored in the Stand.
3. **MAINTAIN A SAFE WORKING ENVIRONMENT.** Keep the work area well lit. Make sure there is adequate surrounding workspace. Always keep the work area free of obstructions, grease, oil, trash, and other debris.
4. **WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contain 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 and cement or 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. (*California Health & Safety Code 25249.5, et seq.*)

## UNPACKING

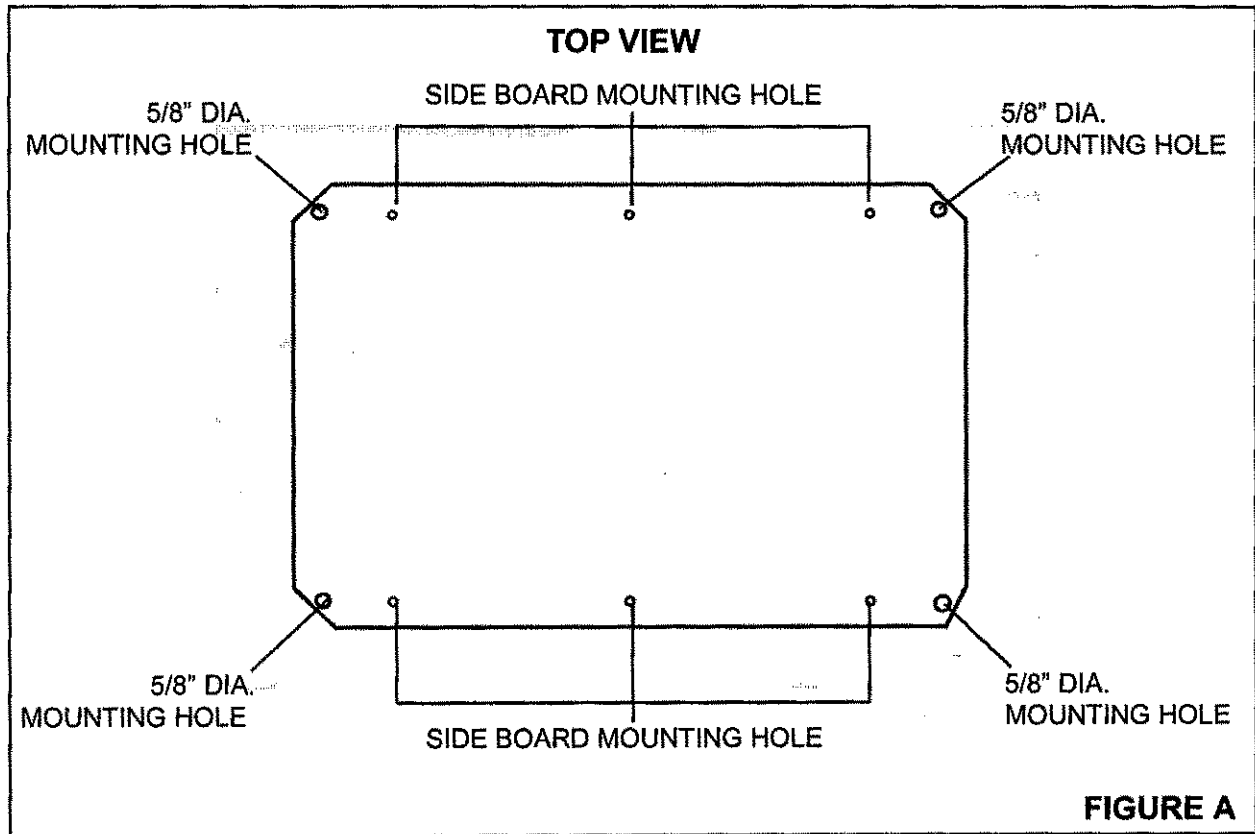
When unpacking, check to make sure all the parts shown on the **Parts List on page 11** are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

## ASSEMBLY INSTRUCTIONS

**NOTE:** For additional references to the parts listed below, refer to the **Assembly Diagram on page 11.**

### **To Mount The Milling/Drilling Stand On A Floor Surface:**

1. Place the Base (part #4) on the desired concrete floor surface location. Next, use the **four, 5/8" mounting holes** (one located at each corner of the Base) as a template to mark the points where four anchor holes will be drilled in the floor surface. Then, temporarily remove the Base.  
(**See Figure A, and Assy. Diagram.**)

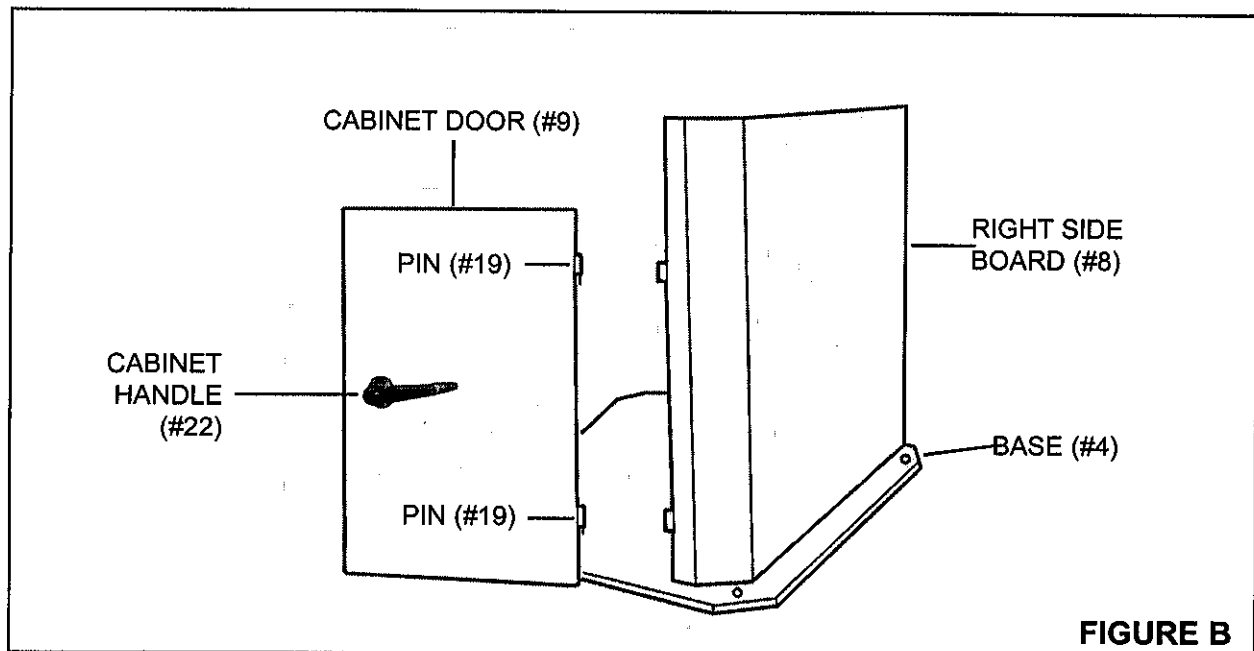


2. Where previously marked on the floor surface, drill four 5/8" diameter, minimum 4" deep, anchor holes. **NOTE:** Be sure to blow out the cement dust from the drilled holes.
3. Move the Base (part #4) back to the desired floor surface location, and align the four mounting holes on the Base with the four previously drilled anchor holes. If necessary, level the Base by inserting steel shims between the Base and the floor surface. Do not exceed more than 1/2" thickness of shims.
4. Secure the Base (part #4) to the floor surface, using four 5/8" diameter anchor bolts of appropriate length and four washers (not provided).

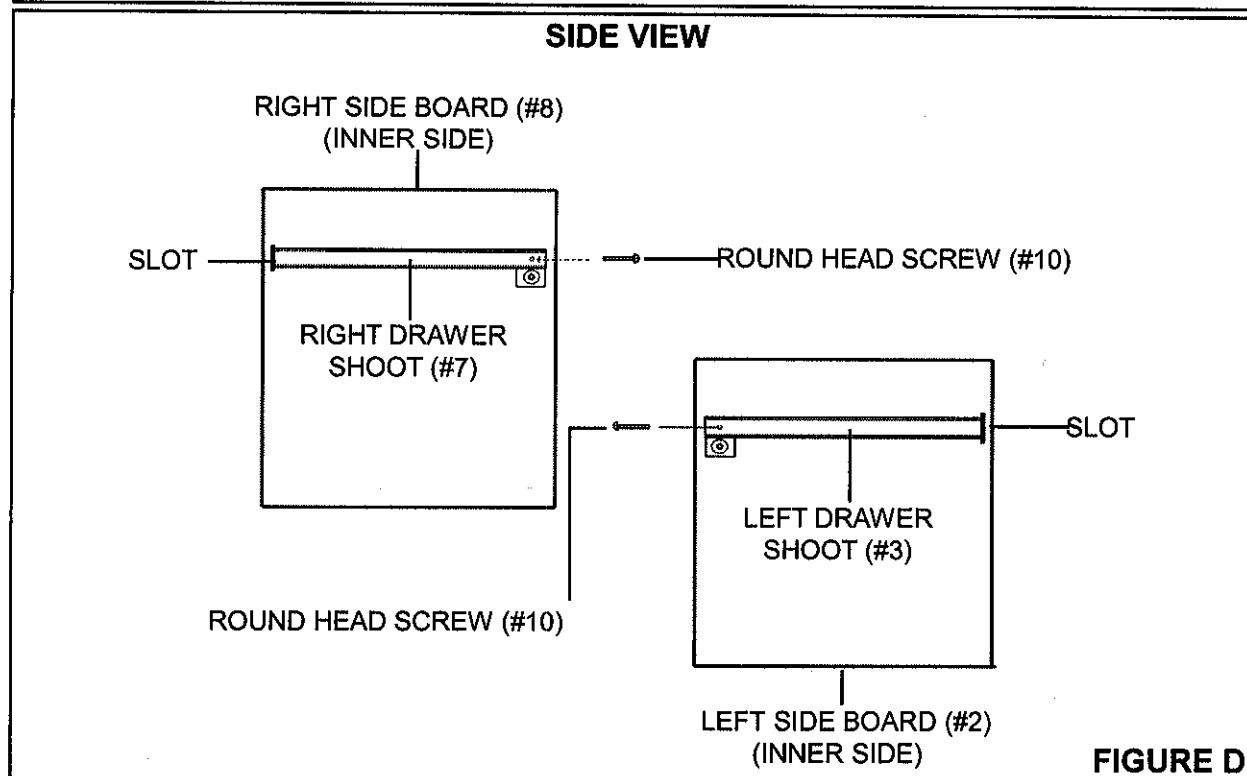
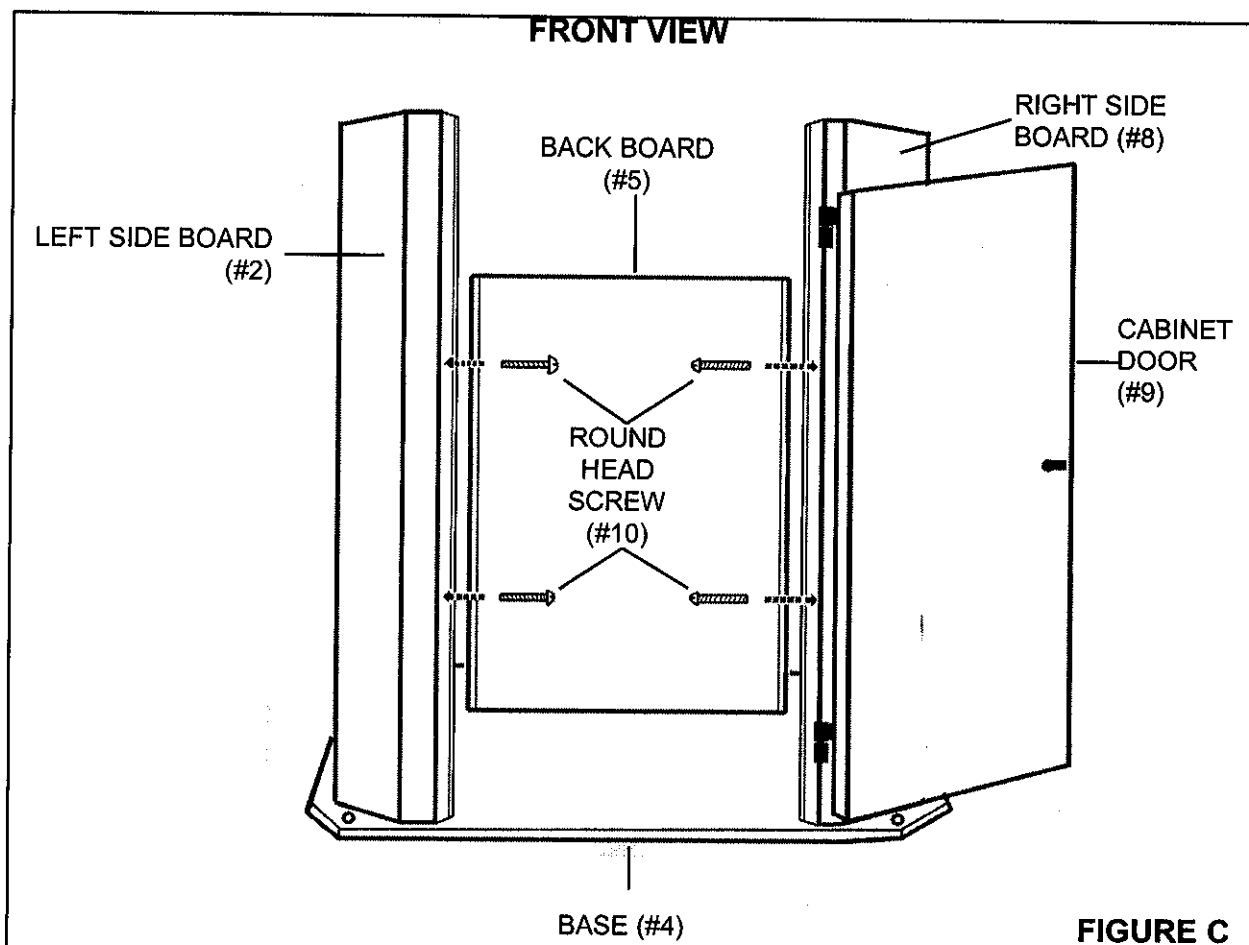
**To Assemble The Milling/Drilling Stand:**

1. Located on the *inside, bottom edge* of the Left Side Board (part #2) are three mounting holes. Align the three mounting holes with the three Side Board Mounting Holes located on the *left side* of the Base (part #4). Then, connect the Left Side Board to the Base, using three Bolts (part #11) and three Washers (part #12). (**See Assy. Diagram.**)

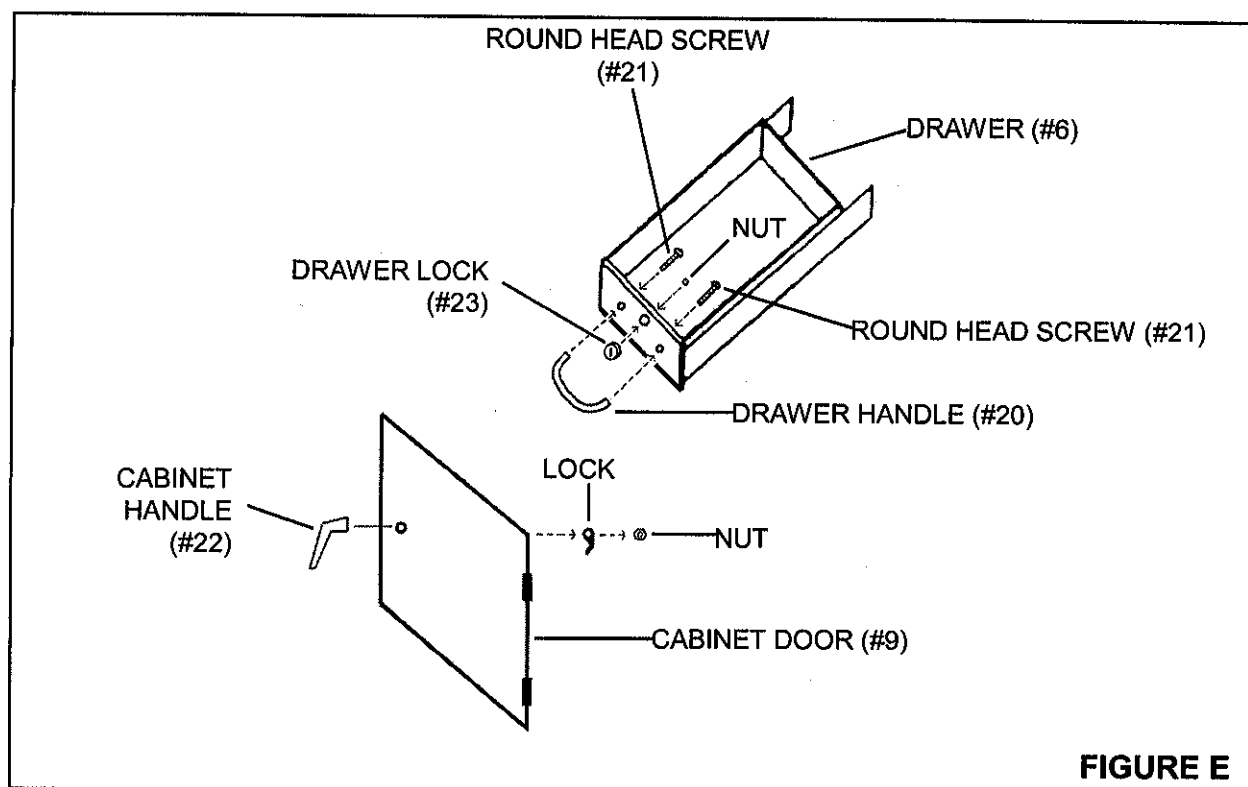
2. Located on the *inside, bottom edge* of the Right Side Board (part #8) are three mounting holes. Align the three mounting holes with the three Side Board Mounting Holes located on the *right side* of the Base (part #4). Then, connect the Right Side Board to the Base, using three Bolts (part #11) and three Washers (part #12). **(See Figure B, and Assy. Diagram.)**
3. Attach the Cabinet Door (part #9) to the Right Side Board (part #8) by inserting the two Pins (part #19) of the Cabinet Door into the two hinged openings located on the front of the Right Side Board. **(See Figure B, and Assy. Diagram.)**



4. Place the Back Board (part #5) on the Base (part #4) and between the Right Side Board (part #8) and Left Side Board (part #2). Then attach the Back Board to the Right Side Board and Left Side Board, using the four Round Head Screws (part #10). **(See Figure C, and Assy. Diagram.)**
5. Insert the rear of the Right Drawer Shoot (part #7) into the mounting slot located at the *inside, rear* of the Right Side Board (part #8). Align the mounting hole at the front of the Right Drawer Shoot with the mounting hole located at the *inside, front* of the Right Side Board. Then, use a Round Head Screw (part #10) to attach the Right Drawer Shoot firmly in place. **(See Figure D.)**
6. Insert the rear of the Left Drawer Shoot (part #3) into the mounting slot located at the *inside, rear* of the Left Side Board (part #2). Align the mounting hole at the front of the Left Drawer Shoot with the mounting hole located at the *inside, front* of the Left Side Board. Then, use a Round Head Screw (part #10) to attach the Left Drawer Shoot firmly in place. **(See Figure D.)**



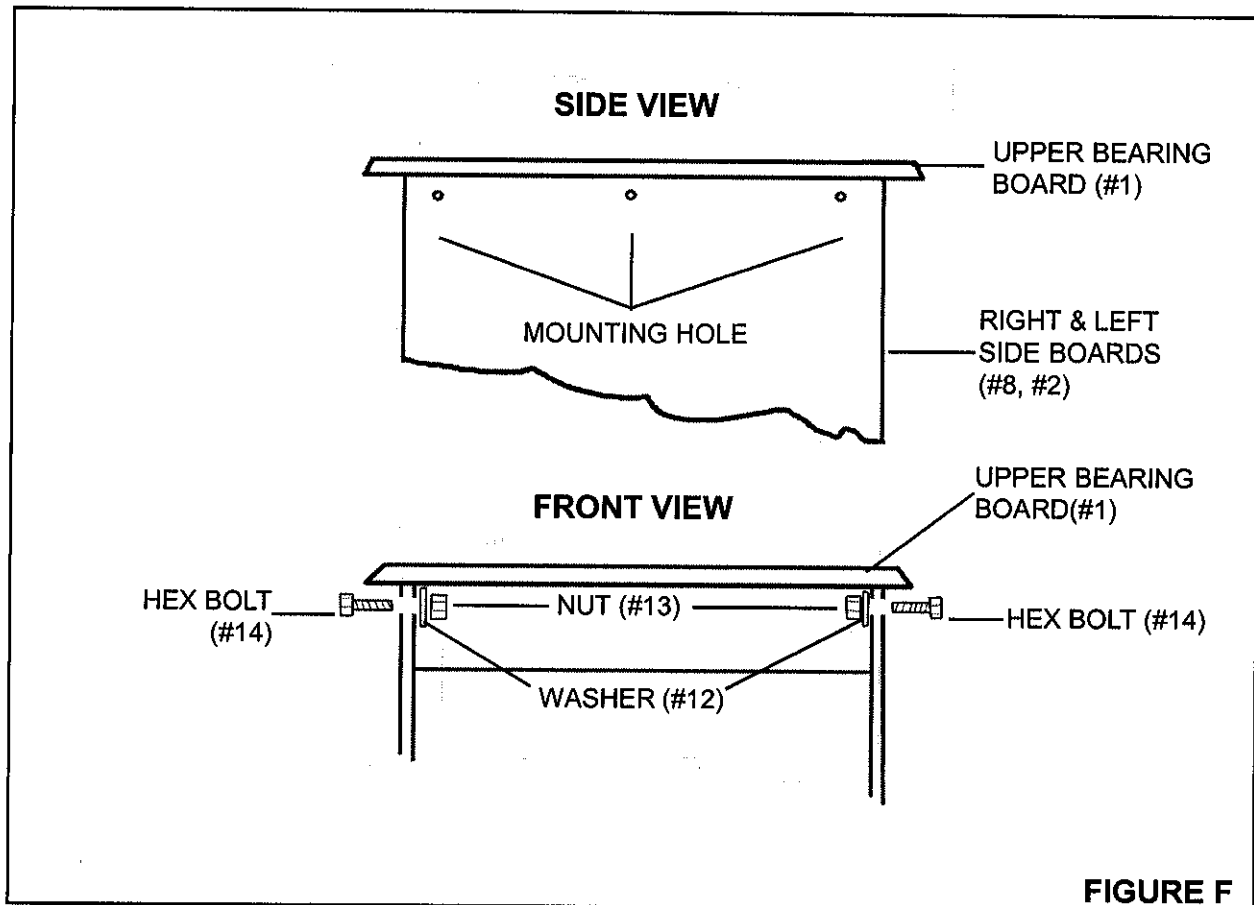
7. Remove the Nut from the back of the Drawer Lock (part #23). Insert the Drawer Lock into the middle hole located on the front of the Drawer (#6). Then, secure the Drawer Lock to the Drawer by tightening the Nut back onto the Drawer Lock. (See Figure E, and Assy. Diagram.)
8. Remove the Nut and Lock from the Cabinet Handle (part #22). Insert the base of the Cabinet Handle into the hole located on the Cabinet Door (part #9). Then, secure the Cabinet Handle to the Cabinet Door by replacing the Lock and tightening the Nut back onto the Cabinet Handle. (See Figure E, and Assy. Diagram.)



9. There are three mounting holes at the top of the Right Side Board (part #8), and three mounting holes at the top of the Left Side Board (part #2). (See Figure F, and Assy. Diagram.)
10. Place the Upper Bearing Board (part #1) on the top edges of the Right Side Board (part #8) and Left Side Board (part #2). **NOTE:** Make sure to align the three mounting holes on each side of the Upper Bearing Board with the three mounting holes on the Right and Left Side Boards. (See Figure F, and Assy. Diagram.)



11. Secure the Upper Bearing Board (part #1) to the Right Side Board (part #8) and the Left Side Board (part #2), using six Hex Bolts (part #14), six Washers (part #12), and six Nuts (part #13). (**See Figure F, and Assy. Diagram.**)



12. Slide the Drawer (part #6) between the Right Drawer Shoot (part #7) and Left Drawer Shoot (part #3) until the Drawer is in its closed position. (**See Figures D, and E.**)
13. *With assistance, and with a lifting device, place the Milling/Drilling Machine on the Milling/Drilling Stand. Align the four mounting holes at the base of the Milling/Drilling Machine with the four mounting holes on the top of the Upper Bearing Board (part #1). Secure the Milling/Drilling Machine to the Milling/Drilling Stand, using four Hex Bolts (part #15), four Spring Washers (part #18), and four Nuts (part #17).*
14. **The Milling/Drilling Stand is now ready for use.**

## INSPECTION, MAINTENANCE, AND CLEANING

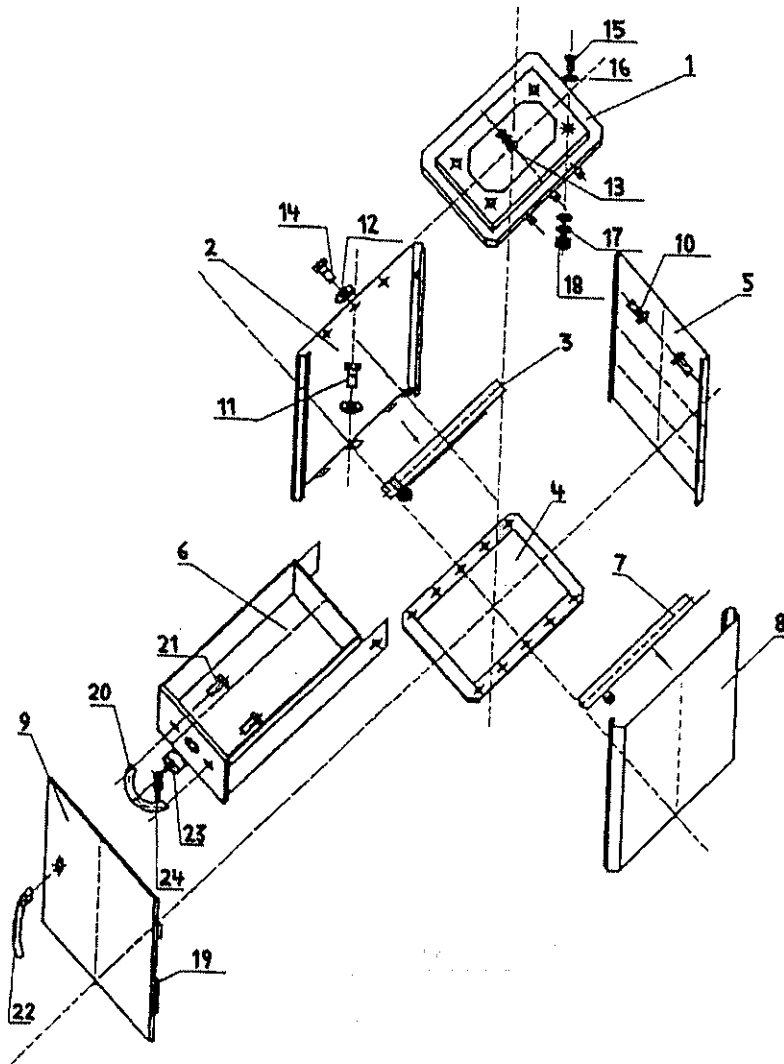
1. **CAUTION:** Always unplug the Milling/Drilling machine from its electrical outlet before performing any inspection, maintenance, or cleaning on the Milling/Drilling Stand.
2. **BEFORE EACH USE,** inspect the general condition of the Milling/Drilling Stand. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. **Do not use damaged equipment.**
3. **DAILY:** With a soft brush, cloth, or vacuum, remove all debris from the Milling/Drilling Stand.

### PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

## PARTS LIST / ASSEMBLY DIAGRAM

Part #	Description	Qty.	Part #	Description	Qty.
1	Upper Bearing Board	1	13	Nut (M8)	6
2	Left Side Board	1	14	Hex Bolt (M8 x 20)	6
3	Left Drawer Chute	1	15	Hex Bolt (M12 x 140)	4
4	Base	1	16	Washer	8
5	Back Board	1	17	Nut (M12)	4
6	Drawer	1	18	Spring Washer	4
7	Right Drawer Chute	1	19	Pin	2
8	Right Side Board	1	20	Drawer Handle	1
9	Cabinet Door	1	21	Round Head Screw (M4 x 12)	2
10	Round Head Screw (M6 x 16)	6	22	Cabinet Handle	1
11	Bolt (M8 x 16)	6	23	Drawer Lock	1
12	Washer	12	24	Key	1



**NOTE:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.