

# FOREDOM® Double Motor Hanger

## Safety Instructions

Before using your Foredom power tool, please read safety instructions. They are for your protection and should always be followed to reduce the risk of personal injury or damage to the tool.

- Always wear proper eye and face protection. Wear safety glasses or face shields whenever you operate a Foredom or any power tool to prevent serious eye or face injuries.
- Secure the work piece or item that you are working on in a vise or other work holding device. Holding it with your hand can result in serious hand injury.
- Always use a proper dust collection system or wear a respirator to prevent the inhalation of dust particles, polishing compounds, or other debris into the lungs.
- Do not wear loose fitting clothing or jewelry. Loose clothing or jewelry can become entangled in the rotating accessory. Do not wear items such as neckties, necklaces, or bracelets when operating power tools. Be sure to tie back or secure long hair.
- **Secure hang up motor to motor hanger. Flexible shaft power tools can “jump” at start up or vibrate during operation. The tool should be properly secured to prevent it from vibrating off of the motor hanger or work bench.**
- Never operate any accessory at speeds above its maximum rated speed. When properly used, all of Foredom’s accessories can be operated at the speed ratings listed in the Foredom Accessory Catalog or specified on kits and packages. Always find out the manufacturer’s speed rating before using accessories other than those from Foredom.



**MAMH-1**  
with MABC-1 Clamp  
attaches to bench

**MAMH-2**  
with MABC-2 Base  
screws or bolts to bench  
or attaches to wall



**Wall Mount  
set-up  
with MAMH-2  
using the  
MABC-2 Base**  
attaches to wall  
for hanging  
one motor

## Replacement Parts for MAMH-1 or MAMH-2

Part No.	Description	Quantity Included
UA10658	Safety Hook	2
UA10661	Hanger Rod (horizontal)	1
UA110-5	Set Screws, (10–32 x 1/4”) hexagon socket cup point	5
UA10682	Coupling	2
UA10683	Top Rod 12¼” long with cross hole	1
UA10685	Middle Rod 12¼” long	1
UA10686	Bottom Rod 17” long	1
UA115	3/32” Hex Key	1
MAHR-2	Handpiece Rest	1

Part No.	Description	Quantity Included
<b>For MAMH-1</b>		
MABC-1	Clamp Mount	1
<b>For MAMH-2</b>		
MABC-2	Base Mount	1
HP103117W	Wrench for Base Mount MABC-2	1

**Three wood screws are required to attach the MABC-2 Base to a wall or workbench. Use wood screws long enough to securely hold the base, motor hanger, and motor.**

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# Follow Instructions below to assemble your MAMH-1 or MAMH-2 Double Motor Hanger

**1.** Before you can hang up your flex shaft motor, decide where you want the motor hanger to be. If you are right handed it will probably be on your right, and if you are left handed it will probably be on your left. Depending on which you have, **attach either the MABC-1 Bench Clamp or MABC-2 Base to your work bench very securely.** Both mounts have knobs for adjusting the height of the motor hanger.

**2.** Slide the handpiece rest MAHR-2 onto the Middle Rod and tighten it enough so that it does not slide around. You will want to adjust its position on the rod according to your needs once the motor is hanging.

**3.** Assemble the rods in the order shown in the drawing at left.

**4.** Use the Hex Key to securely tighten both Set Screws in each of the two Couplings. When the three rods are properly joined by the Couplings it should feel like one solid steel bar and should not flex or wobble at all.

**5.** Insert the Hanger Rod through the Top Rod with cross hole so that the Hanger Rod is centered and securely tighten the Set Screw into the end of the Top Rod with cross hole using the Hex Key.

**6.** Slide the assembled hanger rods into either mount that you have installed on your work bench at a comfortable height for you to reach and tighten adjusting knob. **Make sure the vertical hanger rod extends at least 1/4" below the end of either the MABC-1 Bench Clamp or MABC-2 Base.**

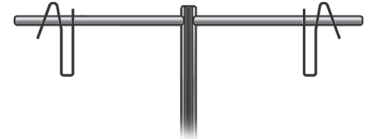
**7.** Slip a Safety Hook through the motor bale so that the circular holes in the Safety Hook are at the top.

**8.** Slide Safety Hook holding motor onto the Hanger Rod with the hooks positioned as shown at top right side of this page.

## Using the MABC-2 Base

1. Position the assembled Motor Hanger at desired height.
2. Tighten the Threaded Knob firmly against the Rod.
3. Tighten the Jam Nut firmly against the Base using a 1/2" wrench.

Check [www.freedom.net](http://www.freedom.net) for MAMH-1 and MAMH-2 instruction videos!



**9.** Use the Threaded Mounting Knobs to raise or lower the height of the Motor Hanger. **Keep a distance of 25"-29" between the benchtop and the bottom surface of the motor.** Turn motor on to be sure it is installed properly. A second motor can also be mounted on the hanger.

**IMPORTANT: Be sure to position motor height to avoid sharp angles and bends in your shaft and sheath. Excessive heat or wear will occur if the curve is less than a 4" radius.**

## Mounting a MAMH-2 Motor Hanger on a wall

**1.** Attach the **MABC-2 Base Mount** to a wall stud\* or other very sturdy vertical wooden structure. **Be sure the wood screws are firmly fastened into solid wood.**

**2.** Use only the Top Rod with cross hole for the hanger rod. Insert the Hanger Rod and tighten this connection with a set screw.

**3.** Insert the vertical Top Rod through the Base Mount and tighten both the Threaded Knob firmly against the Rod and the Jam Nut firmly against the Base using a 1/2" wrench.

**4.** Adjust the Hanger Rod to hold a single motor and you've got a wall-mounted motor hanger!

\* **To find the wall stud:** tap on the wall with your knuckle. **Wall Studs are the inside frame of a wall.**

Move sideways along the wall, still tapping, and listen for a solid sound. Studs are usually placed 16"-24" apart, but may be located differently in older buildings.

If you don't trust your ear, use an electronic or magnetic stud finder, available at hardware stores.

