



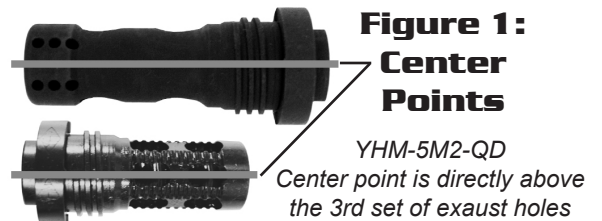
**YANKEE HILL MACHINE Co., Inc.**  
**WWW.YHM.NET**  
**PHONE: 1-877-892-6533**  
**FAX: 1-413-586-1326**

## **Installation Instructions For: Indexible Muzzle Accessories with a Shim Kit**

**Compensator/Muzzle Brakes: YHM-5M2-QD YHM-3802's, and YHM-3302-MB-24A**

**ONLY** a licensed gunsmith experienced with your model of firearm should install this product. Failure to install this product correctly voids any warranties of the product and removes any liabilities against the manufacturer. Be certain the firearm is unloaded and the muzzle is pointed in a safe direction before starting this removal and installation process.

1. Remove any existing muzzle attachment and clean the threads of your barrel.
2. Screw your new Muzzle Brake completely on by hand **WITHOUT** any shims until it bottoms out against your barrel.
3. Unscrew the Muzzle Brake so that the center points are perpendicular to the plane of your barrel ("12 o'clock position") This "12 o'clock position" will be orientation of your Muzzle Brake. Note: When you unscrew to this position it **WILL NOT** be a complete rotation(See Figure 1)
4. Once you find the "12 o'clock position" unscrew an additional 1 quarter turn. We will call this the "9 O'clock position". (This quarter turn will account for tightening your Muzzle Brake to the correct position so it is not loose.
5. Notice the void between the muzzle brake and the shoulder at the rear of the threads on the barrel. This is the space where the shims will sit. You will notice that you received shims of all different thicknesses. You need a combination of shims that fits snugly within this void. This step will take some trial and error because every firearm is threaded differently. You want to use as few shims as possible, so start with the thickest shims first, removing as necessary and replacing with smaller shims until you find the correct combination that provides you the "tightest fit" within the void.. Any excess shims should be placed back in the ziploc bag and saved in case you need them in the future. See Figure 2
6. Once you discover the "tightest fit" you are ready to install. Remove your Muzzle Brake completely. Place the combination of shims over the threads of your barrel (order of shims is irrelevant). Screw on your Muzzle Brake **BY HAND**. If you completed step 5 correctly, you should only be able to screw until the 9 o'clock position by hand. If you do not end up in this position go back to step 3 and repeat.
7. Using your Wrench (3/4" Wrench for YHM-3302-MB-24A and YHM-5M2-QD, 7/8" Wrench for YHM-3802's) tighten the Muzzle Brake one quarter turn to the "12 O'clock position."
8. Get to the range and enjoy your new sound suppressor!



**Figure 1:  
Center  
Points**

*YHM-5M2-QD  
Center point is directly above  
the 3rd set of exhaust holes*

**Figure 2:  
Fitting the Shims**

