EEZY-BREECH® Breech Plug Cleaner User's Guide *(page 1 of 3)*

Your **EEZY-BREECH®** kit includes the tools found on Page 3.

First things first: Refer to Page 3 to determine which of the enclosed tools you'll need to clean your breech plug, then permanently separate them from the rest of the tools in the kit.

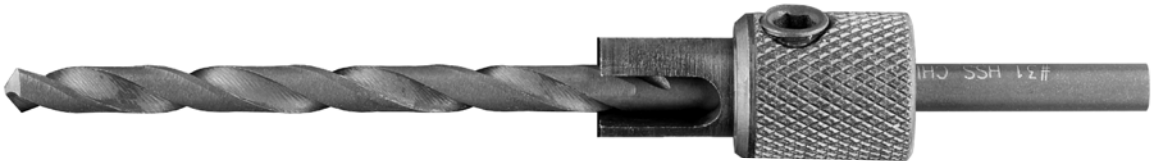
Cleaning your breech plug at the range or in the field:

Step 1:

1. Make sure your rifle is unloaded and the muzzle is always pointed in a safe direction.
2. Always wear eye protection when using this tool.
3. Remove the spent primer
4. **Adjust Tool No. 1:** Note - The initial adjustment of Tool No. 1 is best done on a breech plug that does not yet have a heavily fouled interior. But if it does, position the handle to the end of the drill, and tighten the set screw. Now, insert the drill into the intermediate fire channel hole, which is directly below the primer pocket. Turn the drill by hand clockwise as you progressively insert it deeper into this hole. This should break up the carbon fouling. Remove the tool and shake out the carbon residue particles. Now, you should be able to accurately set the depth of Tool No. 1 per the following instructions.

Tool No. 1
Before Adjustment

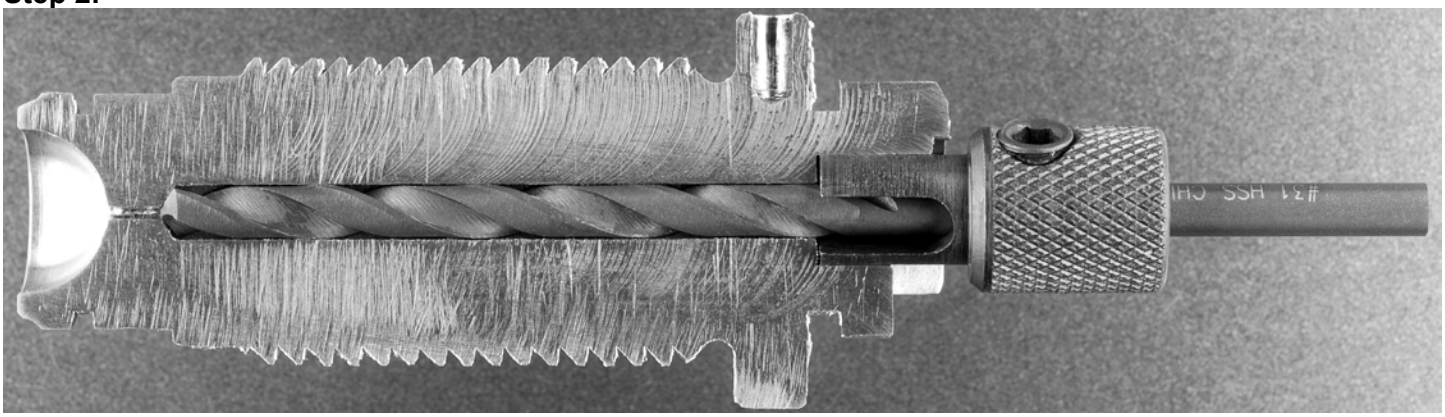
(**a**) **Loosen the set screw** using the supplied hex key so that the handle can slide forward over the twist drill.



Tool No. 1
After Adjustment

(**b**) Insert the twist drill and the primer pocket cleaner section of the handle into the breech plug so that both the drill tip and the forward portion of the primer pocket cleaner 'bottom out'. With the front of the primer pocket cleaner in contact with the bottom of the primer pocket **pull the twist drill back slightly, about .005" (*the width of a human hair*)** to prevent contact with the small flash hole opening, then lock the set screw in place. **Do not over-tighten the set screw** as this can damage the drill. On short breech plugs, the primer pocket cleaner will be positioned on the flute of the drill, which makes it especially important to not over-tighten the set screw. **Caution**-sharp edges.

Step 2:



(**a**) After Tool No. 1 is properly adjusted, turn the tool several times in a clockwise direction while applying gentle forward pressure. This will loosen 95% of the carbon buildup in the intermediate fire channel and the primer pocket.

Please refer to Pages 2 and 3 for additional instructions and information.

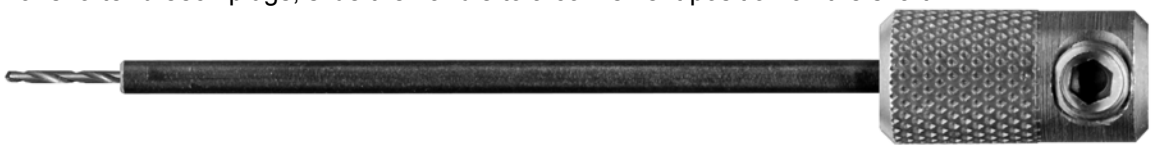
(**b**) After this, remove Tool No. 1 and tilt the muzzle upward and bump the side of your rifle a couple of times using the palm of your hand. The vibrations will allow the loose carbon residue to fall out of the breech plug.

Step 3:

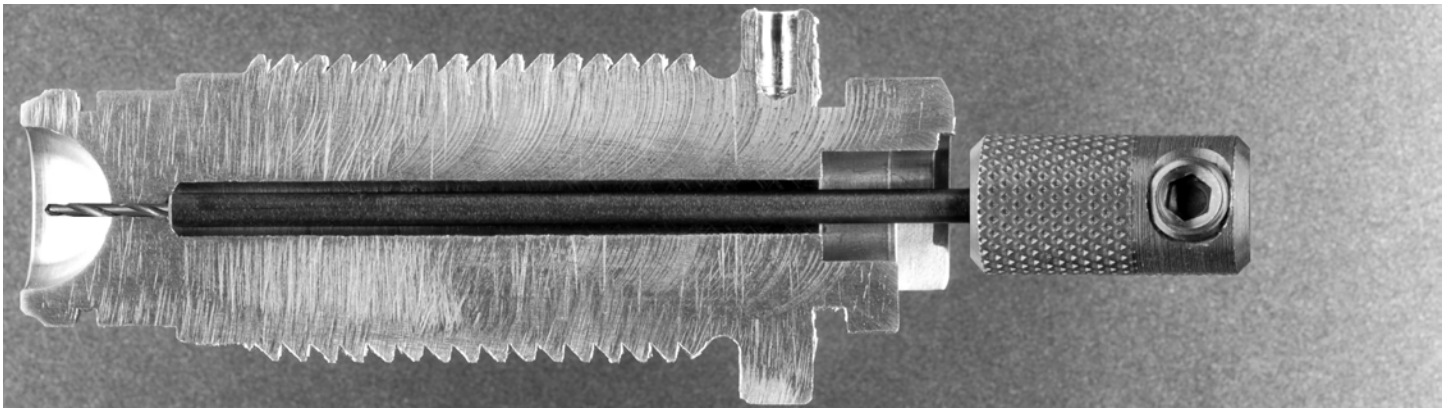
Adjust Tool No. 2:

(a) Loosen the set screw in the handle which also serves as a protective cover for the **delicate, .028" dia. twist drill.** Slowly slide the handle to the far end of the shaft and lock it in place **using care to not bend or break the drill bit.**
Do not over-tighten the set screw as this can damage the shaft.

For shorter breech plugs, slide the handle to a convenient position on the shaft.



The image directly above shows Tool No. 2 properly adjusted and ready to clean the breech plug.



(**b**) **Very gently insert Tool No. 2** into the breech plug and **gently probe the bottom of the intermediate fire channel** until the .028" drill bit aligns with and enters the smaller flash hole. Then, **slowly and gently rotate the tool** several times in a clockwise direction while applying **gentle forward pressure** until the end of the shaft makes contact with the bottom of the intermediate fire channel. NOTE: The tiny, .028" drill bit is delicate and can easily be bent or broken. Extreme care should be used when inserting, probing and rotating to prevent damage to the drill bit.

(**c**) After this, remove Tool No. 2 and tilt the muzzle upward and bump the side of your rifle a couple of times using the palm of your hand. The vibrations will allow the loose carbon residue to fall out of the breech plug.

IMPORTANT PROTECTION INFORMATION:

Immediately after using Tool No. 2, we highly recommend that you loosen the set screw and slide the handle back over the .028" drill bit and lock it in place to protect it. **The handle should be positioned so that the tip of the .028" drill bit is flush with the end of the handle. This will ensure that the set screw is resting against the 5/64" drill rod, and not the .028" drill bit! Make sure the handle's set screw is oriented towards the end of the 5/64" drill rod away from the drill!**

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~ Please be responsible. Keep the **EEZY-BREECH®** kit and all sharp objects out of the reach of children ~
The small components are a Swallowing Hazard -- Keep away from small children!

Your **EEZY-BREECH®** breech plug cleaning kit is a complete system consisting of the following tools:

Tool No. 1 for removing carbon buildup from the intermediate fire channel hole and the 209 primer pocket. A .116" diameter drill is also included to use in place of the .120" drill if necessary.

Tool No. 2 for removing carbon buildup from the easily plugged small flash hole. A small drill similar to the one mounted on Tool No. 2 is also provided as a "backup" to clean out the flash hole from the front of the breech plug.

Because of the large variety of breech plug designs and intermediate fire channel sizes, the **EEZY-BREECH®** is sold as a kit. With this kit, you will be able to clean out the interior of the following 209 breech plugs:

209 Breech Plugs:

- CVA® Optima and Wolf hand removable breech plug
- CVA 209 Breech Plug requiring hex removal tool for Optima, Kodiak and Wolf series rifles
- CVA Accura®
- Thompson/Center® Encore® 209 old short style with full threads requiring hex tool to remove
- Thompson/Center Omega® 209 old short style with full threads requiring hex tool to remove
- Thompson/Center Encore Prohunter® Speed Breech® requiring hex tool to remove
- Thompson/Center Encore Endeavor Speed Breech® XT - removable by hand or with flat tool
- Thompson/Center Speed Breech® XT for Triumph - removable by hand or with flat tool
- Thompson/Center Impact! breech plug with triple lead threads
- Traditions™ Hex Style Breech Plug for Traditions Break-Open Models
- Traditions Pursuit(™) II XLT and newer Traditions models using this same breech plug

The **EEZY-BREECH®** kit has been tested in these breech plugs, but it may work in others as well. Note: Some of the early Thompson/Center breech plugs have a smaller, .086" intermediate fire channel hole. The replacement breech plugs now have a .120" hole.

Within your kit, select the Tool No. 1 that will slide into your CLEAN breech plug with a close BUT NOT TIGHT fit. Adjust for depth as covered elsewhere in the instructions. If the .120" drill is too tight, replace it with the .116" drill in the primer pocket cleaner.

The Tool No. 2 that is included in your kit will work in all of the breech plugs listed above.

The **EEZY-BREECH®** cleaner is also very useful when cleaning your muzzleloader after you're done shooting. After using Tools 1 and 2 in the removed breech plug as discussed previously, tap it on a piece of wood to remove the carbon residue.

Another useful tip: Many people like to fire a 209 primer before loading for their first shot. This can sometimes be a problem in a hunting situation. Instead, the **EEZY-BREECH®** cleaner can be used to ensure that the interior holes in your breech plug are clear (make sure the **EEZY-BREECH®** tools are dry before doing this !)

Cleaning the tool: Your **EEZY-BREECH®** cleaner is made out of carbon steel with a black oxide finish, similar to gun bluing. After using the **EEZY-BREECH®** tool, wipe the powder residue off of it, and then wipe on a thin coating of gun oil. **NOTE:** Before using the **EEZY-BREECH®** cleaner again, wipe off the oil and make sure the tool is dry. This will ensure that you do not introduce any moisture into the breech plug interior which could cause a misfire.