

TraditionsTM

PERFORMANCE FIREARMS

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PA PELLET FLINTLOCK ACCELERATOR BREECH PLUG ADDENDUM

The new PA Pellet Accelerator models incorporate most of the same features as the original PA Pellet models with a NEW upgraded feature: the Accelerator breech plug, which allows you to remove and clean your breech plug without any tools. This addendum will instruct you on the proper use and care for your new breech plug for these models.

BEFORE CLEANING YOUR MUZZLELOADER, MAKE SURE THE GUN IS NOT LOADED OR PRIMED!!

1. Removal / Cleaning of the Accelerator breech plug.

- A. Remove the ramrod by pulling the rod straight out from the stock and barrel. Place to the side.
- B. Remove the barrel wedge from the stock by using the Traditions wedge puller. Place the wedge to the side.
- C. Flip open the frizzen by pushing it forward until it stays in the forward position.
- D. Loosen both lock plate screws about 2 turns, but be careful not to remove them completely. If the front lock plate screw is removed, the ramrod retaining spring will be detached from the screw and will require re-installation before the gun can go back together.
- E. Remove the tang screw with a flat head screw driver and place the screw to the side.
- F. Lift the barrel up slightly and then pull it straight out of the stock. After removing the barrel take the tang off the barrel and place it to the side. *Note – If the barrel is removed without removing the tang screw be sure to not use too much upward pressure when lifting the barrel otherwise you risk bending the tang. Improper removal of the barrel resulting in any damage to the tang will not be covered under Traditions factory warranty.
- G. Grasp the barrel in one hand and use the other hand to rotate the breech plug counter clockwise to remove from the barrel. Remove the touch hole liner from the breech plug with a flat head screw driver. Place to the side.
- B. Using EZ Clean solvent and a soft bristle brush remove the factory oil and grease from the threads of the breech plug, the barrel and also the touch hole liner.
- C. Inspect the o-ring to be sure it is not worn or damaged. If so remove and replace with a new one. O-rings are available for purchase from your local TraditionsTM dealer or online at www.traditionsfirearms.com.
- D. Dry the breech plug and lube the threads and o-ring along with the threads of the touch hole liner with Traditions breech plug grease or the appropriate anti-seize grease. Not using the recommended lubricant will cause o-ring damage and breech plug seizure.

Note: If the plug is difficult to remove, try these hints to help remove your plug:

Spray penetrating oil down the muzzle of the barrel and let it sit for an hour.

Remove the barrel and place in a padded vice to give better leverage while using a 6mm allen wrench to remove the plug. To use the wrench, insert the post of the wrench into the hex socket in the back of the plug and turn the handle counter clockwise.

2. Re-installation of the Accelerator breech plug

- A. With the touch hole liner properly lubricated, thread it into the breech plug with a flat head screw driver until it is snug. Then with the breech plug threads properly greased, thread it into the barrel until it seats firmly. The witness marks on the plug and barrel must be lined up when the plug is started in the barrel or else it will not line up properly. Make sure that they are lined up before starting.
- B. Re-install the tang into the stock and then push the barrel into the tang and seat in the stock firmly. You may have to use a rubber mallet to help seat the barrel fully into the stock and tang.
- C. Re-install the tang screw with a flat head screw driver until snug.
- D. Install the wedge into the stock through the barrel and make sure that it comes all the way through the stock.
- E. Tighten the lock plate screws until snug.
- F. Re-install the ramrod and make sure that it is seated all the way into the stock.

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Note: If the breech plug does not thread smoothly or seat fully, remove it and visually inspect the o-ring for wear and the threads on the plug and inside the barrel for fouling or obstructions. Also, if the breech plug is not seated all the way the barrel may not seat into the tang or the stock all the way.

Traditions™ recommends removing, cleaning and re-lubing the breech plug every 10-15 shots. With proper maintenance and care the o-ring will last many years. The o-ring is in place as a gas check and helps to block fouling from reaching the threads. The plug can still be used without the o-ring but may become difficult to remove due to the fouling that will take place.

Before using your firearms, be sure it is in good working order. Check to be sure all the screws are tight, all the safeties are working correctly, and all the components are functioning properly. Safe firearm handling is the responsibility of all gun owners.