

## Muzzleloaders

Saddle Lock Muzzleloader has big trigger on top of gun. These types of muzzleloaders are no longer made that much.

IN LINE Muzzleloader is BOLT ACTION Technology. This made the gun easier to clean.

Muzzleloaders are loaded from the end of the barrel.

Black Powder = Slower rate of burn (Black Powder is a nitro glycerin based)  
Smokeless Powder = More Pressure and Better Velocity.

### *Pyrodex Black Powder is what Remington recommends for Remington Muzzleloader Guns*

When loading the barrel for muzzleloader the black powder is loaded by volume and NOT by weight.

When loading a cartridge the black powder is loaded by weight and NOT by volume.

Model 700 Muzzleloader has a optimal load of 90 – 120 grams.

Sabot ::::

The sabot is based on the Model 700. Remington recommends the sabot for use with the 700 Muzzleloader.

Sabot Type Projectile – A sub-caliber projectile centered in a lightweight carrier to permit firing the sub-caliber projectile in a larger caliber firearm.

Sabot is a plastic piece placed behind the projectile.

90 – 120 grains of powder will give the best results

The lands and groves inside the barrel make the sabot and projectile twist.

Round Balls are used with shooting patches. The round balls are NOT as accurate as sabots.

Lead Conical is just a chunk of lead.

Wonder Wads are cotton 1/8" thick. Wonder Wads cushion the sabot and makes a seal. Also, suppose to make the shot more accurate.

Nipple is where you put the percussion (primer) cap to make initial spark.  
Percussion cap goes on top of nipple.  
#11 = percussion found in Model 700 Muzzleloaders  
#10 = percussion cap = Black powder pistols.

*Cabala's sells pistols but we don't do anything with them.*

Bolt houses the firing pen on every gun  
Muzzleloaders have a striker not a firing pen.

Cam Follower screw holds the bolt in.

To Make Black Powder Ignite .....

Bolt Down -- Gun is cocked

Pull Tigger - Booomm!!!

Hesitation with Black Powder Guns is common  
This is the split second that it takes for the gun powder to go off.

When the gun doesn't go off???

1. Wait about 5 minutes. Make sure the gun is pointed in a safe direction
2. Or the load may need a new percussion cap.
3. OR may need a new nipple. Nipple should be replaced every year.

Biggest mistake people make with a muzzleloader is not cleaning the BOLT Assembly.  
The Bolt Action can rust because the black powder is corrosive.  
Consumer must clean a black powder muzzleloader immediately.

A BOLT ASSEMBLY tool is needed for every 700 model.

NIPPLES:

- Musket Cap / Top Hat Cap – Large and more reliable than the regular nipple. Need a 5/16 Socket is used to get the nipple off.
- 209 Shot Gun Primer current industry shot gun primer. This is the most reliable ignition. 209 can purchase through parts line here. 5/16 socket is used to get this nipple off too.
- 209 primer / 150 grams powder – anything beyond 120 grains you lose accuracy. 150 grains of powder doesn't all burn. Will leave residue.

Remington has a conversion kit – whole new firing pen assembly, new primer, new 209 nipple

Muzzleloader Page 3

Model 700 best seller due to strength. Three rings of steel. 1<sup>st</sup> layer is receiver, 2<sup>nd</sup> layer is barrel, 3<sup>rd</sup> layer is Breech Plug on Muzzleloader.

Ram Rode – Push projectile down in the barrel. Push till stops then just jiggle.

Cleaning jag screws on end of ram rode.

Ext. of Ram Rode used for cleaning

T-Handle ram rode made of steel and can be purchased from dealers

Breech Plug/Nipple Wrench supplied with gun from manufacturing

Magnum has the 26" barrel

New models have the three different nipples and tool to change.

When changing nipples must lubricate. Never use petroleum based products on a muzzle loader. Rem Oil is only used during storage. Only use all natural lubricants.