

## Selecting the Projectile

**NOTE:** It is recommended that for safety and performance, only Remington® brand loading components made to Remington's exacting standards, be used in the Remington Model 700® ML muzzleloading rifle.

There are three projectile types that can be fired safely and accurately in this rifle. They are the sabotred conical, the lubed conical, and the patched round ball. See Picture 10.

FIGURE 10



**Saboted  
Conical**

**The Saboted Conical:** With a sabotred projectile, the sabot engages the barrel rifling (rather than the projectile itself) to provide a gas seal as well as to provide the rotation necessary to stabilize the projectile in flight.

A smaller, than bore size projectile can be used with a sabot resulting in higher muzzle velocity, flatter trajectory.

The sabot is self-lubricating, so there is no need to use additional lubrication when shooting sabotred projectiles.

Never use a patch with a conical projectile that is to be used with a sabot.



**Lubed  
Conical**

**The Lubed Conical:** With the lubed conical, the projectile itself engages the rifling to provide a gas seal as well as the rotation necessary to stabilize the projectile in flight.

Never use a patch or sabot with a lubed conical projectile.

Always use lubricant with any projectile that is not to be used with a sabot.



**Patched  
Round Ball**

**The Patched Round Ball:** With a patched round ball, the lubed cloth patch serves the same purpose as the sabot does with the sabotred conical projectile type. It engages the rifling to provide a gas seal as well as the rotation necessary to stabilize the ball in flight.

**WARNING:** The patch should be sewn with flammable and made of cotton to avoid building a static electric charge on the patch as it rubs while it is firing against the powder charge. A non-cotton patch could create a static discharge, the powder charge causing serious injury or death to the shooter or bystanders.

**The Remington Wonder Wad:** The Remington Wonder Wad™ can be used with any of the three types of projectiles that can be used in this firearm. It is to be placed between the powder and projectile in the barrel. It acts as a secondary gas seal and expands to fill the bore and grooves in the barrel as the pressure builds behind the wad and the projectile. This reduces gas blow-by and helps improve velocity and accuracy. In addition, the Remington Wonder Wad helps clean and lubricate the barrel as it is being loaded as well as upon firing. As a result, more shots can be fired before the barrel must be cleaned.

**WARNING:** Except for the sabot and round ball, the Remington Wonder Wad is the only approved loading component to go between the projectile and powder.

Never use a patched ball without a sabot in the muzzleloading rifle. Only pure lead or Remington brand lubed projectiles, specifically designed for muzzleloading, are meant to be used without a sabot.

Never use a sabot with a round ball. The sabot is not designed for a round ball and could easily separate from the powder charge creating a dangerous air gap.

Be absolutely certain that loading components are used only as they were intended to be used and are properly used together.

## Loading the Powder and Projectile

Loading the Remington Model 700 ML consists of three steps. These steps are:

1. Load the Powder.
2. Load the Projectile.
3. Place the Poremaster® Cap on the Nipple.