

**SPORTING
ARMS LLC.**

**LHR REDEMPTION™
MUZZLELOADING RIFLE**

**Safety
& Instruction
Manual**



CAREFULLY READ AND
UNDERSTAND ALL
INSTRUCTIONS AND WARNINGS
IN THIS MANUAL BEFORE USING
YOUR LHR FIREARM.

* NEVER USE ANY AMOUNT OF
SMOKELESS POWDER IN AN LHR
MUZZLELOADER

PATENT PENDING

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WARNING



CAREFULLY READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS. MAKE SURE YOU HAVE A COMPLETE UNDERSTANDING OF THE INSTRUCTIONS AND WARNINGS BEFORE USING THIS FIREARM. SERIOUS INJURY OR DEATH TO YOU AND OTHERS AND DAMAGE TO PROPERTY MAY RESULT IF ALL WARNINGS AND INSTRUCTIONS ARE NOT UNDERSTOOD.

This manual should always accompany your LHR Sporting Arms™ firearm including upon any change of ownership or presentation to another person.

Always ensure your firearm is pointed in a safe direction. A firearm should never be pointed at anything you do not intend to shoot.

Copies of the manual are available free of charge by contacting the address below or on www.lhrsportingarms.com:

LHR Sporting Arms LLC.™

• CUSTOMER SERVICE •

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YOUR SAFETY RESPONSIBILITIES

At home, in the field, at the range, or anywhere, the first concern of every firearm owner should be safety. Apply the following safety rules in every situation, with any kind of firearm. If you feel uncertain about any operational aspects of your firearm, please contact LHR Sporting Arms™ before proceeding with its operation.



IMPORTANT! FOLLOWING THESE SAFETY RULES IS REQUIRED TO ENSURE SAFE USE OF THIS FIREARM. FAILURE TO OBEY EVERY INSTRUCTION AND WARNING MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH TO YOU OR OTHERS AND DAMAGE TO PROPERTY.

As a firearm owner, you accept a demanding responsibility. How seriously you take this responsibility can be the difference between life and death. There is no excuse for careless or abusive handling of your firearm. At all times handle your firearm with intense respect for its power and potential danger.

TO AVOID DANGER TO YOURSELF AND OTHERS:

- ALWAYS ENSURE YOUR FIREARM IS POINTED IN A SAFE DIRECTION. A FIREARM, WHETHER LOADED OR NOT LOADED, SHOULD NEVER BE POINTED TOWARDS ANYONE OR ANYTHING THAT IT IS NOT INTENDED TO SHOOT. ALWAYS BE AWARE AND IN CONTROL OF THE DIRECTION OF THE FIREARM.
- ALWAYS BEHAVE AS IF ANY MUZZLELOADER IS LOADED AND READY TO FIRE. ALWAYS CHECK FOR YOURSELF WHETHER A MUZZLELOADER IS UNLOADED AND NEVER TAKE ANOTHER PERSON'S WORD. DO NOT PASS A MUZZLELOADER TO ANOTHER UNTIL YOU HAVE OPENED THE ACTION, VISUALLY INSPECTED THE MUZZLELOADER, AND CONCLUDED THAT IT IS UNLOADED. ALWAYS KEEP YOUR MUZZLELOADER UNLOADED AND STORED IN A SAFE LOCATION WHEN NOT BEING USED.
- KEEP YOUR FINGER OUTSIDE OF THE TRIGGER GUARD AND AWAY FROM THE TRIGGER UNTIL YOU ARE READY TO FIRE. ALSO KEEP ALL OTHER OBJECTS AWAY FROM THE TRIGGER.
- ALWAYS CHECK YOUR TARGET AND THE PATH BEYOND THE TARGET. MAKE SURE THAT THE BULLET WILL ONLY HIT WHERE A SAFE BACKSTOP IS PRESENT AND THAT THE SHOOTING LANE IS FREE OF OBSTRUCTIONS SUCH AS ROCKS OR WATER THAT COULD CAUSE RICOCHETS. NEVER FIRE RANDOMLY INTO THE AIR OR ANY DIRECTION YOU HAVE NOT INSPECTED AND DETERMINED HAS A SAFE BACKSTOP AND IS FREE OF OBSTRUCTIONS. ONCE FIRED YOU AND ONLY YOU ARE RESPONSIBLE FOR DAMAGE DONE BY THE BULLET.

YOUR SAFETY RESPONSIBILITIES CONT'D

- ALWAYS UNLOAD YOUR FIREARM BEFORE CROSSING OBSTACLES INCLUDING FENCES, ROCK WALLS, DITCHES, OR STREAMS, OR WHEN CLIMBING A TREE OR ENTERING A TREE STAND. REFER TO UNLOAD SECTION OF THIS MANUAL (PG.34-35).
- IT IS YOUR PERSONAL RESPONSIBILITY TO SAFELY HANDLE YOUR FIREARM AT ALL TIMES. FIREARMS ARE EXTREMELY DANGEROUS AND IF MISUSED OR INAPPROPRIATELY USED CAN CAUSE SERIOUS INJURY OR DEATH. AS A RESULT, SAFETY MUST BE THE PRIMARY FOCUS OF ANYONE OWNING OR HANDLING ANY FIREARM. CONTACT YOUR LOCAL FIREARMS DEALER, LOCAL SPORTSMAN'S CLUB, HUNTERS SAFETY DEPARTMENT, CONSERVATION OFFICER OR LAW ENFORCEMENT AGENCY TO INQUIRE ABOUT FIREARM SAFETY TRAINING.
- THIS FIREARM IS YOUR RESPONSIBILITY AT ALL TIMES. THIS RESPONSIBILITY INCLUDES PROTECTION OF YOURSELF AND ALL OTHERS AGAINST INJURY OR DEATH CAUSED BY THE MISUSE OF YOUR FIREARM 24 HOURS A DAY.
- YOU ARE RESPONSIBLE FOR THE SECURITY OF YOUR FIREARM. THIS RESPONSIBILITY INCLUDES KEEPING FIREARMS SAFELY AWAY FROM CHILDREN AND UNAUTHORIZED USERS. ALWAYS STORE YOUR FIREARM UNLOADED AND SAFELY LOCKED. NEVER ASSUME THAT THE USE OF A LOCK ALONE IS SUFFICIENT TO SECURE YOUR FIREARM SAFELY. ALWAYS EVALUATE YOUR FIREARMS SECURITY BASED ON YOUR SITUATION AND NEEDS.
- USING YOUR FIREARM APPROPRIATELY MEANS ONLY USING THE FIREARM FOR LAWFUL PURPOSES. YOU ARE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LAWS AND ORDINANCES RELATED TO THE USE OF YOUR FIREARM.
- WARNING: MECHANICAL FEATURES CAN FAIL AND SHOULD NEVER BE EXCLUSIVELY RELIED UPON. IT IS YOUR PERSONAL RESPONSIBILITY TO SAFELY HANDLE YOUR FIREARM AND ENSURE ITS SAFE USE. A FIREARM MUST ALWAYS BE POINTED IN A SAFE DIRECTION.
- ALWAYS STORE AMMUNITION AND FIREARMS IN SEPARATE SECURE LOCATIONS.

YOUR SAFETY RESPONSIBILITIES CONT'D

- NEVER USE A FIREARM WITHOUT EAR AND EYE PROTECTORS THAT ARE DESIGNED FOR USE WITH FIREARMS. ALSO ENSURE ANYONE IN THE VICINITY IS ALSO WEARING APPROPRIATE EAR AND EYE PROTECTION.
- NEVER USE DRUGS OR ALCOHOL DURING OR PRIOR TO USING A FIREARM. ADDITIONALLY DO NOT USE A FIREARM IF UNDER THE INFLUENCE OF ANY MEDICATION THAT IMPAIRS YOUR MENTAL OR PHYSICAL ABILITY OR IF YOU EXCESSIVELY TIRED.
- DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS, OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD, A SUBSTANCE KNOWN TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND OTHER SERIOUS PHYSICAL INJURY. HAVE ADEQUATE VENTILATION AT ALL TIMES. WASH HANDS THOROUGHLY AFTER EXPOSURE.
- ALWAYS UNDERSTAND THE OPERATION OF ANY FIREARM BEFORE HANDLING IT. ALL FIREARMS ARE DIFFERENT. BE SURE YOU ARE FAMILIAR WITH THE MECHANICAL FEATURES OF ANY FIREARM YOU PLAN ON USING BEFORE YOU USE IT. PLEASE CONTACT LHR SPORTING ARMS™ IF YOU ARE UNSURE ABOUT ANY OPERATIONAL ASPECTS OF YOUR FIREARM.
- NEVER LET ANYONE USE A FIREARM WHO DOES NOT UNDERSTAND ITS SAFE OPERATION OR WHO HAS NOT READ AND UNDERSTOOD THE SAFETY RULES CONTAINED WITHIN THIS MANUAL.
- NEVER USE ANY AMMUNITION OTHER THAN THE CORRECT AMMUNITION FOR YOUR FIREARM. THE MARKING ON THE FIREARM WILL INDICATE THIS INFORMATION.
- ALWAYS ENSURE THE BARREL IS FREE OF ANY DEBRIS OR OBSTRUCTIONS. ANY SMALL OBSTRUCTION MAY CAUSE DAMAGE TO YOUR FIREARM AND INJURY TO YOURSELF AND OTHERS BECAUSE OF A POTENTIAL DANGEROUS INCREASE IN PRESSURE. REFER TO SECTION IN THIS MANUAL ON UNLOADING IF YOUR BARREL IS DOUBLE LOADED OR HAS AN OBSTRUCTION.
- ALWAYS MAKE SURE ANY AND ALL ACCESSORIES (SCOPES, GRIPS, SLINGS, AND HOLSTERS) ARE COMPATIBLE WITH YOUR FIREARM AND DO NOT INTERFERE WITH ITS SAFE OPERATION.

YOUR SAFETY RESPONSIBILITIES CONT'D

- DO NOT FOR ANY REASON DISASSEMBLE YOUR FIREARM OTHER THAN THE BASIC FIELD STRIPPING PROCEDURE DESCRIBED IN THIS MANUAL. DISASSEMBLY AND REASSEMBLY IF NOT PROPERLY DONE CAN LEAD TO SERIOUS INJURY OR DEATH TO YOU OR OTHERS OR DESTRUCTION OF PROPERTY.
- DO NOT FOR ANY REASON ALTER, ADJUST OR CHANGE ANY COMPONENTS OF YOUR FIREARM, ANY ADJUSTMENT TO COMPONENTS CAN AFFECT THE SAFE OPERATION OF YOUR FIREARM AND MAY LEAD TO SERIOUS INJURY OR DEATH TO YOU OR OTHERS.
- DO NOT FOR ANY REASON ALTER OR REPLACE, OR ALLOW ANY ONE ELSE TO ALTER OR REPLACE, ANY OF THE PARTS OF YOUR FIREARM, RETURN TO THE FACTORY FOR ANY REPAIRS OR MODIFICATIONS TO YOUR MUZZLELOADER. FAILURE TO COMPLY WITH THIS WARNING MAY CAUSE YOUR FIREARM TO FUNCTION IMPROPERLY AND MAY RESULT IN SERIOUS INJURY OR DEATH TO YOU OR OTHERS AND DAMAGE TO PROPERTY.



WARNING: IT IS YOUR RESPONSIBILITY TO SAFELY USE ANY FIREARM. FAILURE TO FOLLOW ANY OF THE SAFETY INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY OR DEATH TO YOU OR OTHERS. LHR SPORTING ARMS™ WILL NOT BE RESPONSIBLE FOR ANY PERSONAL INJURY, DEATH OR PROPERTY DAMAGES THAT RESULT FROM EITHER: (1) CRIMINAL OR NEGLIGENT USE OF THIS FIREARM; (2) FAILURE TO TAKE HEED OF ANY SAFETY INSTRUCTIONS OR WARNINGS; (3) UNSAFE OR IMPROPER HANDLING OF THIS FIREARM; (4) THE USE OF NON-STANDARD AMMUNITIONS INCLUDING AMMUNITION WHICH IS DEFECTIVE, IMPROPER OR RELOADED; OR (5) MODIFICATIONS OR REPAIRS PERFORMED UPON THE FIREARM ANY NEGLIGENT OR IMPROPER FASHION.

SAFE STORAGE AND TRANSPORTATION



WARNING: ALWAYS ENSURE THE MUZZLE OF A FIREARM IS AIMED IN A SAFE DIRECTION



WARNING: IF STORED OR USED IMPROPERLY FIREARMS ARE DANGEROUS AND COULD CAUSE SERIOUS OR FATAL INJURIES. SPECIAL CARE SHOULD BE TAKEN TO PROTECT CHILDREN FROM FIREARMS BY NEVER STORING THEM IN AN IRRESPONSIBLE OR UNSAFE WAY. IT IS ESSENTIAL TO THE SAFETY OF YOU AND OTHERS THAT YOU STORE YOUR FIREARM UNLOADED AND LOCKED IN A SECURE LOCATION. AMMUNITION SHOULD ALWAYS BE STORED SECURELY IN A LOCATION SEPARATE FROM THE FIREARM WHEN NOT IN USE. RESPONSIBLE, SAFE STORAGE IS AN ESSENTIAL RULE OF FIREARM SAFETY. FAILURE TO PROPERLY STORE A FIREARM OR AMMUNITION MAY RESULT IN SERIOUS INJURY OR DEATH TO YOU OR OTHERS.

- FIREARMS MUST BE STORED IN A WAY THAT WILL PREVENT ANY AND ALL UNAUTHORIZED ACCESS. THIS INCLUDED NEVER STORING THE FIREARM LOADED OR UNLOCKED. YOUR FIREARM SHOULD NEVER BE UNATTENDED EXCEPT WHEN UNLOADED, LOCKED, AND SECURED.
- AMMUNITION SHOULD ALWAYS BE STORED SEPARATELY FROM ANY FIREARM. THIS WILL PREVENT ACCESS BY ANY CHILD OR UNAUTHORIZED INDIVIDUAL. IT IS YOUR RESPONSIBILITY AT ALL TIMES TO ENSURE THAT AMMUNITION IS STORED SEPARATELY FROM YOUR FIREARM AND IN A SECURE MANNER.
- DO NOT RELY ON A SECRET LOCATION OR “HIDING” PLACE FOR SECURE STORAGE. NEVER PUT YOUR SAFETY OR THE SAFETY OF OTHERS AT RISK OF SOMEONE COMING UPON YOU SECRET LOCATION BY CHANCE. YOU MUST USE COMMON SENSE WHEN DETERMINING WHETHER WHERE YOU STORE YOUR FIREARM AND AMMUNITION WILL PREVENT ACCESS BY CHILDREN OR UNAUTHORIZED INDIVIDUALS.



WARNING: DO NOT LOCK A LOADED FIREARM. DO NOT LOAD A LOCKED FIREARM.

SAFE STORAGE & TRANSPORTATION CONT'D

- YOU MUST NEVER TRANSPORT A FIREARM THAT IS LOADED, THE RIFLE MUST BE EMPTY AND UNPRIMED. IT IS NEVER SAFE TO TRANSPORT A FIREARM UNLESS SAID FIREARM IS UNLOADED AND LOCKED. IT IS YOUR RESPONSIBILITY TO ENSURE THAT YOUR FIREARM IS SAFE AND SECURE DURING TRANSPORT.
- OBEY THE LAW. DIFFERENT JURISDICTIONS HAVE DIFFERENT LAWS REGARDING STORAGE AND TRANSPORTATION OF FIREARMS. IT MAY BE A CRIME TO KEEP A FIREARM UNLOCKED IN AN AREA ACCESSIBLE TO CHILDREN OR OTHER INDIVIDUALS. IN THIS REGARD IT IS NOT ONLY COMMON SENSE TO LEAVE YOUR FIREARM LOCKED AN UNLOADED WHEN NOT IN USE, BUT IT IS ALSO THE LAW. IT IS YOUR RESPONSIBILITY TO BE FAMILIAR WITH AND FOLLOW EVERY LOCAL, STATE, AND FEDERAL LAW RELATING TO SAFE STORAGE AND TRANSPORTATION OF YOUR FIREARM. NOT BEING FAMILIAR WITH OR FOLLOWING THE LAW COULD RESULT IN UNAUTHORIZED USE OF YOUR FIREARM. PLEASE CONSULT YOUR LOCAL POLICE DEPARTMENT OR FIREARMS DEALER FOR INFORMATION ON STORING AND TRANSPORTING FIREARMS LEGALLY AND SAFELY.
- SECURITY OF YOUR FIREARM IS YOUR RESPONSIBILITY AT ALL TIME. YOU HAVE A RESPONSIBILITY TO PREVENT THE THEFT OF YOUR FIREARM OR ITS USE BY ANY UNAUTHORIZED, UNTRAINED, OR UNQUALIFIED INDIVIDUALS. TOO FULFILL THIS RESPONSIBILITY, YOUR FIREARM MUST BE LOCKED, UNLOADED, AND SECURED WHEN NOT IN USE.
- ALWAYS STORE THE KEY TO YOUR GUN LOCK SEPARATELY FROM YOUR FIREARM.

PREPARATION FOR FIRING



WARNING: FAILURE TO COMPLY WITH ALL FIREARM SAFETY REQUIREMENTS WILL RESULT IN SERIOUS PERSONAL INJURY OR DEATH TO YOU OR OTHERS.

- TREAT EVERY FIREARM AS IF IT IS LOADED AND ALWAYS KEEP THE MUZZLE IN A SAFE DIRECTION.
- NEVER USE A FIREARM WITHOUT WEARING APPROPRIATE EAR PROTECTION DESIGNED FOR FIREARM USE. ALSO ENSURE THAT ANY BYSTANDERS ARE ALSO WEARING APPROPRIATE EAR PROTECTION. USE OF EAR PROTECTION MAY PREVENT PERMANENT HEARING DAMAGE.
- NEVER USE A FIREARM WITHOUT WEARING EYE PROTECTION DESIGNED FOR FIREARM USE. ALSO ENSURE THAT ANY BYSTANDERS ARE ALSO WEARING APPROPRIATE EYE PROTECTION. USE OF EYE PROTECTION SHOULD PROTECT THE EYES FROM PARTICLES AND FIRING FLASH THAT ARE ASSOCIATED WITH THE DISCHARGE OF AMMUNITION. FAILURE TO WEAR EYE PROTECTION MAY CAUSE PERSONAL INJURY FROM DEBRIS OR RICOCHETS.
- BE ATTENTIVE AND FOLLOW ANY SAFETY INSTRUCTIONS OF THE RANGE OFFICER. DO NOT SHOOT IF YOU ARE IMPAIRED IN ANY WAY OR OVERLY TIRED.
- BE CONSTANTLY AWARE OF OTHERS TO ENSURE THAT NO ONE WALKS INTO THE LINE OF FIRE.
- ALL INDIVIDUALS MUST LOCATE THEMSELVES OUTSIDE OF THE LINE OF FIRE. THIS INCLUDES THE SHOOTER AND ANY OTHER PERSON IN THE SHOOTING AREA. INDIVIDUALS SHOULD ALSO NOT BE WITHIN ANY AREA WHERE THEY RISK BEING HIT WITH RICOCHET, ANY PARTICLES EMITTED BY THE FIREARM, OR EJECTED CASES.
- DO NOT SHOOT AT ANY SURFACE OR OBJECT THAT MAY CAUSE A RICOCHET. IT IS YOUR RESPONSIBILITY TO SHOOT AT A SAFE BACKSTOP THAT IS FREE OF OBSTRUCTIONS OR ANY OBJECTS OR SURFACES THAT MAY CAUSE RICOCHET.
- DO NOT EVER SHOOT INTO THE AIR RANDOMLY. ALWAYS SHOOT INTO A SAFE BACKSTOP.
- NEVER SHOOT OR HANDLE A FIREARM AFTER OR WHILE USING ALCOHOL OR DRUGS.

SAFETY RULES FOR THE LHR REDEMPTION™ MUZZLELOADER

In addition to the general Firearm Safety Responsibilities covered so far in this manual, there are additional guidelines specific to black powder muzzleloading firearms that must be adhered to at all times to ensure the safety of the shooter and others.

- ALWAYS ENSURE THAT THE RIFLE IS UNLOADED AND UNPRIMED BEFORE STORING.
- SMOKELESS POWDER MUST NEVER BE USED IN ANY AMOUNT IN A MUZZLELOADING FIREARM. ADDITIONALLY, NEVER MIX POWDERS. USE OF ANY AMOUNT OF SMOKELESS POWDER CAN RESULT IN AN EXPLOSION THAT CAN RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS AND DAMAGE TO PROPERTY AS WELL AS DESTRUCTION TO THE BARREL OR RECEIVER.
- ONLY BLACK POWDER OR APPROVED BLACK POWDER SUBSTITUTES SHOULD BE USED IN A MUZZLELOADING FIREARM. EVEN THOUGH SOMETIMES BLACK IN COLOR, SMOKELESS POWDER MUST NEVER BE USED. ANY PROPELLANT OTHER THAN BLACK POWDER MAY CAUSE INJURY OR DEATH TO THE SHOOTER OR OTHERS AND DAMAGE TO PROPERTY. REFER TO SECTION IN THIS MANUAL ON LOADING DATA (PG.54).
- DO NOT SMOKE WHILE USING A MUZZLELOADING FIREARM. ANY STRAY SPARK FROM A LIT CIGARETTE, CIGAR, OR PIPE MAY IGNITE BLACK POWDER OR A BLACK POWDER SUBSTITUTE, OR PERCUSSION CAPS OR PRIMERS. AS A RESULT, SMOKING MAY CAUSE PREMATURE FIRING OF A FIREARM OR AN EXPLOSION OF ANY POWDER THAT MAY CAUSE SERIOUS INJURY OR DEATH TO THE SHOOTER OR OTHERS AND DAMAGE TO PROPERTY.
- DO NOT LOAD THE MUZZLELOADER WHILE HOT FROM PRIOR FIRING. ALWAYS ALLOW THE BARREL TO COOL BEFORE RELOADING YOUR MUZZLELOADER.
- CHECK TO ENSURE THAT THE MUZZLELOADING FIREARM HAS NOT ALREADY BEEN CHARGED BEFORE LOADING. TO CHECK WHETHER A MUZZLELOADING FIREARM HAS BEEN CHARGED, POINT THE FIREARM IN A SAFE DIRECTION AND INSERT THE RAMROD FULLY INTO THE BORE. THE RAMROD WILL BE BELOW THE END OF THE BARREL IF THE FIREARM HAS NOT BEEN CHARGED. YOUR RAMROD SHOULD ALSO BE MARKED TO IDENTIFY IF A LOAD IS PRESENT. REFER TO THE SECTION IN THIS MANUAL ON “CHARGING” (PG.24-29) FOR MARKING YOUR RAMROD.

REDEMPTION™ SAFETY RULES CONT'D

- ALWAYS ENSURE YOU HAVE LOADED THE CHARGE IN THE CORRECT SEQUENCE AND THAT THE PROJECTILE IS SEATED AGAINST THE POWDER CHARGE. FAILURE TO SEAT THE PROJECTILE MAY CAUSE INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY. TO ENSURE PROPER SEATING, MARK THE RAMROD AT THE MUZZLE LEVEL TO JUDGE PROPER DEPTH. (TAKE NOTE THAT THE RAMROD MARK WILL BE AT A DIFFERENT LEVEL FOR DIFFERENT LOADING COMPONENTS OR POWDER CHARGE AMOUNTS). REFER TO THE SECTION IN THIS MANUAL ON CHARGING (PG.24-29).
- DO NOT BEAT OR STRIKE THE RAMROD. STRIKING THE RAMROD MAY CAUSE IGNITION OF BLACK POWDER OR BLACK POWDER SUBSTITUTES. ALWAYS ENSURE THE FIREARM IS POINTED IN A SAFE DIRECTION WHEN LOADING.
- CORROSIVE RESIDUES WILL BE LEFT IN THE BORE OF THE FIREARM BY BLACK POWDER AND BLACK POWDER SUBSTITUTES. CLEANING IS NECESSARY BEFORE STORING A MUZZLELOADING FIREARM FOR ANY LENGTH OF TIME. FAILURE TO PROPERLY CLEAN THE FIREARM MAY PREVENT THE FIREARM FROM FUNCTIONING SAFELY AND CORRECTLY AND MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY. REFER TO THE SECTION ON CLEANING
- DO NOT EXCEED THE MAXIMUM CHARGE LISTED IN THIS MANUAL. EXCEEDING THE MAXIMUM RECOMMENDED CHARGE MAY CAUSE INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.

KNOWLEDGE OF MUZZLELOADING TERMINOLOGY IS ESSENTIAL:

1. “CHARGE” OR “CHARGED” REFERS TO A MUZZLELOADING FIREARM WHOSE BORE CONTAINS A POWDER CHARGE AND A PROJECTILE. A MUZZLELOADING FIREARM THAT CONTAINS NO “CHARGE” IS CONSIDERED “UNCHARGED”
2. “PRIME” OR “PRIMED” REFERS TO PLACING A PRIMER OR PRIMING POWDER IN THE APPROPRIATE PRIMING LOCATION OF A MUZZLELOADING FIREARM. A MUZZLELOADING FIREARM THAT HAS NOT BEEN “PRIMED” IS CONSIDERED “UNPRIMED”.

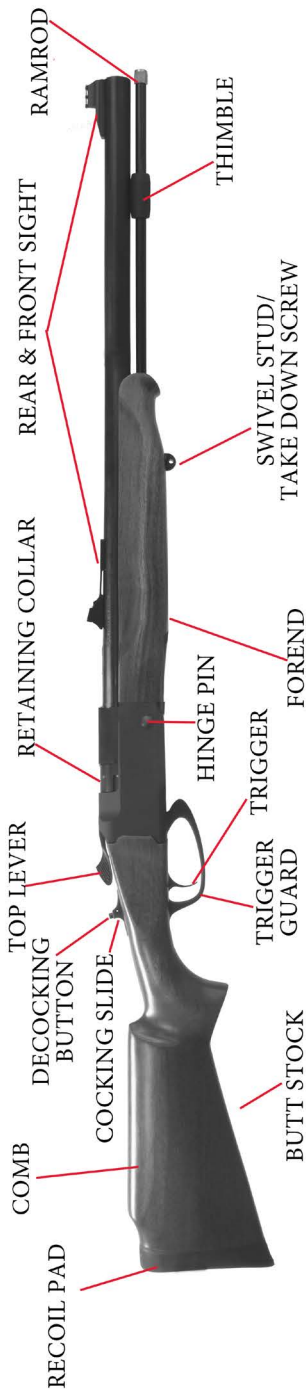
REDEMPTION™ SAFETY RULES CONT'D

- DO NOT PRIME A MUZZLELOADING FIREARM UNLESS YOU ARE PREPARED TO FIRE. YOUR FIREARM SHOULD NOT BE PRIMED UNTIL THE MOMENT IMMEDIATELY PRECEDING THE TIME YOU WISH TO FIRE.
- DO NOT PASS A MUZZLELOADING FIREARM TO ANYONE IF THE FIREARM IS CHARGED. A MUZZLELOADING FIREARM REQUIRES YOUR COMPLETE ATTENTION AND CONCENTRATION ONCE IT HAS BEEN CHARGED. NEVER CHARGE A MUZZLELOADING FIREARM AND PASS IT TO ANOTHER PERSON OR ALLOW ANOTHER PERSON TO CHARGE A MUZZLELOADING FIREARM FOR YOU.
- NEVER CHARGE A MUZZLELOADING FIREARM DIRECTLY FROM A POWDER CAN, HORN OR FLASK. THERE IS A RISK THAT A LINGERING SPARK FROM THE PREVIOUS SHOT MAY IGNITE THE POWDER AS IT IS POURED INTO THE BORE THAT COULD CAUSE THE CONTAINER TO EXPLODE. SUCH AN EXPLOSION MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.
- WHILE SHOOTING, KEEP ALL POWDER AND PRIMERS AWAY FROM THE SHOOTING AREA. STRAY SPARKS FROM FIRING MAY CAUSE POWDER HORNS, FLASKS, OR PRIMERS TO IGNITE. THIS MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY. ALWAYS FOLLOW THE MANUFACTURER'S INSTRUCTIONS WITH REGARDS TO SAFE HANDLING AND STORAGE OF POWDER AND PRIMERS.
- YOU MUST FOLLOW THIS PROCEDURE EVERYTIME YOUR RIFLE IS HANDLED, CLEANED OR HANDED TO ANOTHER PERSON.



WARNING: MECHANICAL FEATURES CAN FAIL AND SHOULD NEVER BE EXCLUSIVELY RELIED UPON. IT IS YOUR PERSONAL RESPONSIBILITY TO SAFELY HANDLE YOUR FIREARM AND ENSURE ITS SAFE USE.

REDEMPTION™ IDENTIFICATION CHART



INITIAL ASSEMBLY

Your Redemption™ rifle comes disassembled in two pieces:

1. Barrel and forend assembly
 2. Stock and receiver assembly
- Remove the barrel assembly from the packaging and unscrew the swivel stud/takedown screw by turning it counter clockwise until it comes free of the forend (Figure 1).
 - Pull the forend away from the barrel and set it aside.
 - Take the stock and receiver assembly from the packaging and insert the barrel lug into the back of the hinge pin on the receiver (Figure 2).
 - Tip the barrel upward until the barrel “snaps” into the receiver, locking it in place.
 - Take the forend and insert the half-round end into the receiver and push up until the forend sits snug against the barrel (Figure 3).
 - Squeeze the top of the forend against the barrel so it sits snug in the barrel channel (Figure 4).
 - Reinsert the forend takedown screw by turning it clockwise until the flats align vertically with the forend (additional pressure may be required for alignment) (Figure 5).



FIGURE 1



FIGURE 2



FIGURE 3



FIGURE 4



FIGURE 5

SERIAL NUMBER & MODEL I.D.

PROPELLANT MARKING ON BARREL



BLACK POWDER OR BLACK POWDER SUBSTITUTES ONLY - DO NOT USE SMOKELESS POWDER
INSTRUCTIONS MUST BE READ BEFORE USE

FIGURE 6

GUN MODEL DESIGNATION



REDEMPTION LIGHT SPORTING ARMS IDENTIFIED NO. 50 CAL.

CALIBER DESIGNATION

FIGURE 7

SERIAL NUMBER



100100R

FIGURE 8

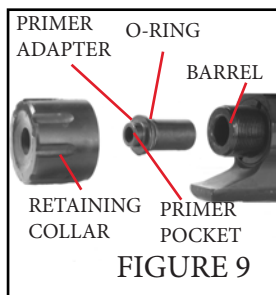
GETTING TO KNOW YOUR LHR REDEMPTION™

- **NEVER ATTEMPT TO FIRE THE REDEMPTION RIFLE WITHOUT THE “RETAINING COLLAR” BEING PROPERLY INSTALLED. THE RETAINING COLLAR MUST BE THREADED IN COMPLETELY CLOCKWISE UNTIL SEATED. FAILURE TO DO THIS COULD CAUSE INJURY OR DEATH TO THE SHOOTER OR OTHERS AND DAMAGE TO PROPERTY.**

BREECH SYSTEM:

The LHR Redemption™ Breech system consists of the following features:

1. Primer Adapter- Inserts into the barrel and is held in place by the retaining collar.
2. O-Ring- Seals the primer adapter to the barrel.
3. Retaining Collar- Holds the primer adapter in by threading onto the barrel.

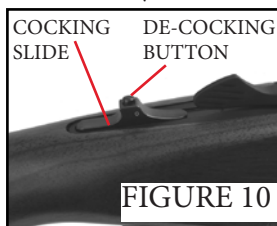


NOTE: The barrel will not close if the retaining collar is not fully seated.

COCKING SLIDE:

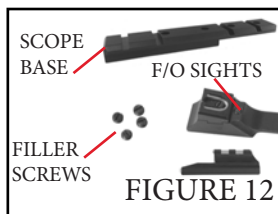
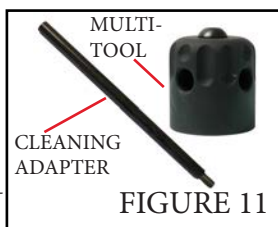
The LHR Redemption™ Cocking Slide consists of the following features:

1. Cocking Slide- “Cocks” the rifle by being pushed forward until engaged. Once cocked, the Redemption™ will fire if trigger is pulled
2. De-cocking button- Pressing de-cocking button allows cocking slide to return rearward to the “at-rest” position.



INCLUDED IN THE BOX:

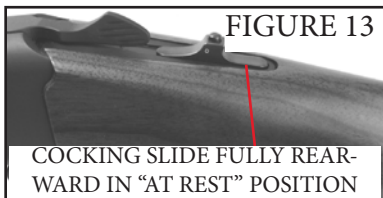
1. Multi-Tool- Assists in removing the retaining collar and loading/cleaning with ramrod (Figure 11).
2. Cleaning Adapter- Adds additional length to ramrod for cleaning and loading (Figure 11).
3. Fiber Optic Sights- For open sight shooting (Figure 12).
4. Scope Base- For use with scope and rings for scoping the rifle (Figure 12).
5. Filler Screws- To fill drilled and tapped screw holes that are unused on the barrel (Figure 12).



LHR REDEMPTION™ TRIGGER & COCKING SLIDE

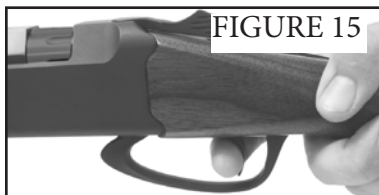
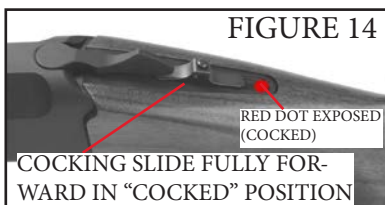


WARNING: FAILURE TO FOLLOW ANY SAFETY REQUIREMENTS CONTAINED WITHIN THIS MANUAL MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY. ALWAYS POINT THE RIFLE IN A SAFE DIRECTION.

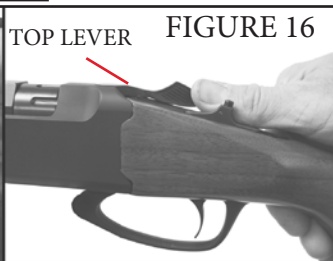


The cocking slide should be in the "AT REST" position during loading and when carrying.

The cocking slide should be in the "COCKED" position only when in the process of firing.



When the Redemption™ is cocked and the trigger is pulled- the striker contacts the firing pin and "FIRES" the rifle. (NOTE: NEVER DRY FIRE THE REDEMPTION™ RIFLE)



If the Redemption™ rifle is not fired, there are two ways to return the cocking lever to the "AT REST" position.

- With your finger away from the trigger, press down on the cocking slide button and the rifle will return to the "AT REST" position covering the red "COCKED" dot (Figure 16).
- With your finger away from the trigger, push the top lever to the right- and the cocking slide will return to the "AT REST" position covering the red "COCKED" dot (Figure 16).

PREPARATION FOR FIRING



WARNING: FAILURE TO FOLLOW ANY SAFETY REQUIREMENTS CONTAINED WITHIN THIS MANUAL MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY. ALWAYS POINT THE RIFLE IN A SAFE DIRECTION.

- FIREARMS SHOULD ALWAYS BE TREATED AS IF THEY ARE LOADED AND READY TO FIRE.
- NEVER USE A FIREARM WITHOUT WEARING APPROPRIATE EAR PROTECTION DESIGNED FOR FIREARM USE. ALSO ENSURE THAT ANY BYSTANDERS ARE ALSO WEARING APPROPRIATE EAR PROTECTION. USE OF EAR PROTECTION MAY PREVENT PERMANENT HEARING DAMAGE.
- NEVER USE A FIREARM WITHOUT WEARING EYE PROTECTION DESIGNED FOR FIREARM USE. ALSO ENSURE THAT ANY BYSTANDERS ARE ALSO WEARING APPROPRIATE EYE PROTECTION. USE OF EYE PROTECTION SHOULD PROTECT THE EYES FROM PARTICLES AND FIRING FLASH THAT ARE ASSOCIATED WITH THE DISCHARGE OF AMMUNITION. FAILURE TO WEAR EYE PROTECTION MAY CAUSE PERSONAL INJURY FROM DEBRIS OR RICOCHETS.
- BE ATTENTIVE AND FOLLOW ANY SAFETY INSTRUCTIONS OF THE RANGE OFFICER. DO NOT SHOOT IF YOU ARE IMPAIRED IN ANY WAY.
- BE CONSTANTLY AWARE OF OTHERS TO ENSURE THAT NO ONE WALKS INTO THE LINE OF FIRE.
- ALL INDIVIDUALS MUST LOCATE THEMSELVES OUTSIDE OF THE LINE OF FIRE. THIS INCLUDES THE SHOOTER AND ANY OTHER PERSON IN THE SHOOTING AREA. INDIVIDUALS SHOULD ALSO NOT BE WITHIN ANY AREA WHERE THEY RISK BEING HIT WITH RICOCHET, ANY PARTICLES EMITTED BY THE FIREARM, OR EJECTED CASES.
- DO NOT SHOOT AT ANY SURFACE OR OBJECT THAT MAY CAUSE A RICOCHET. IT IS YOUR RESPONSIBILITY TO SHOOT AT A SAFE BACKSTOP THAT IS FREE OF OBSTRUCTIONS OR ANY OBJECTS OR SURFACES THAT MAY CAUSE RICOCHET.
- DO NOT EVER SHOOT INTO THE AIR RANDOMLY. ALWAYS SHOOT INTO A SAFE BACKSTOP.
- NEVER SHOOT OR HANDLE A FIREARM AFTER OR WHILE USING ALCOHOL OR DRUGS.
- DO NOT SMOKE WHILE USING A MUZZLELOADING FIREARM.
- WHILE SHOOTING, KEEP ALL POWDER AND PRIMERS AWAY FROM THE SHOOTING AREA.

BASIC EQUIPMENT FOR SHOOTING THE LHR REDEMPTION™

In order to shoot your Redemption™ muzzleloader you will need the following accessories or equipment listed below:



WARNING: DO NOT USE OR ATTEMPT TO SHOOT YOUR LHR SPORTING ARMS MUZZLELOADER UNTIL YOU HAVE COMPLETELY READ THIS SAFETY MANUAL AND YOU FULLY UNDERSTAND ITS CONTENTS. FAILURE TO FOLLOW THE INSTRUCTIONS WITHIN THIS MANUAL MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY. PLEASE CALL LHR SPORTING ARMS CUSTOMER SERVICE IF YOU ARE UNABLE TO UNDERSTAND ANY PART OF THIS MANUAL.

1. Proper eye protection- specified for use with firearms.
2. Proper ear protection- specified for use with firearms.
3. Black Powder or an approved Black Powder substitute in the appropriate type for your firearm.
4. A Powder Measurer.
5. Projectiles: Appropriate for your firearm
6. 209 Primers
7. Bore Cleaning Patches.
8. A Jag to hold cleaning patches (included).
9. An appropriate bore cleaner for muzzleloaders
10. An appropriate oil or lubricant

FIRING COMPONENTS

BULLETS:

Several options of muzzleloader bullets are available for the Redemption™ (Figure 17). Refer to the manufacturer for specific types that will fit your Redemption™ Rifle. Some of the bullet types are:

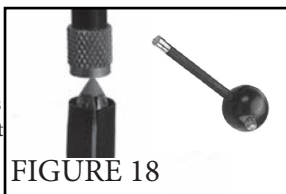
1. Bore Size Bullets
2. Belted Bullets
3. Saboted Bullet



LOADING EQUIPMENT:

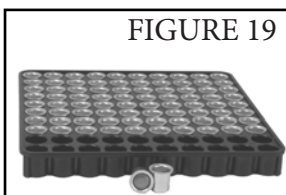
The Redemption™ rifle includes a loading jag on the ramrod (Figure 18). This jag is designed to load spire point, hollow point and round ball projectiles.

Ball starters (not included) are used to start the bullet in the barrel to assist in the loading process (Figure 18). Refer to ball starter manufacturer for instructions on usage.



PRIMERS:

The Redemption rifle is designed to use 209 shotgun or 209 muzzleloading primers (Figure 19).



POWDERS:

There are two forms of usable black powder propellants, pellets and loose powder (requires powder measurer (Figure 20)). Powders such as GOEX® FFG Black Powder, Blackhorn 209, Pyrodex®, Triple Seven® and White Hots® are designed for use in muzzleloaders. Refer to the manufacturer specifications for loading and usage data.



- ALWAYS FOLLOW THE INSTRUCTIONS OF MANUFACTURERS AND NEVER USE OR EXCEED ANY LOAD THAT IS NOT RECOMMENDED. LOOK TO SUGGESTED LOADS FOR BLACK POWDER RIFLES ON A MANUFACTURERS WEBSITE, OR FIND OUT ABOUT SUGGESTED LOADS BY CONTACTING THE MANUFACTURER.
- DO NOT FOR ANY REASON USE ANY FORM OF SMOKELESS POWDER FROM THE LISTED MANUFACTURERS OR ANY OTHER MANUFACTURERS OF POWDER. USE OF SMOKELESS POWDER MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.
- DO NOT USE PROJECTILES UNLESS SPECIFICALLY DESIGNED FOR A MUZZLELOADER

TYPES OF BLACK POWDER & BLACK POWDER SUBSTITUTES

LHR Sporting Arms™ is not affiliated with any powder manufacturers and does not have a specific recommendation for any brand of black powder or black powder substitutes. Listed below however is tested powders that meet the specifications of LHR Sporting Arms™ product.

- ALWAYS FOLLOW THE INSTRUCTIONS OF MANUFACTURERS AND NEVER USE OR EXCEED ANY LOAD THAT IS NOT RECOMMENDED. LOOK TO SUGGESTED LOADS FOR BLACK POWDER RIFLES ON A MANUFACTURERS WEBSITE, OR FIND OUT ABOUT SUGGESTED LOADS BY CONTACTING THE MANUFACTURER.
- DO NOT FOR ANY REASON USE ANY FORM OF SMOKELESS POWDER FROM THE LISTED MANUFACTURERS OR ANY OTHER MANUFACTURERS OF POWDER. USE OF SMOKELESS POWDER MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.
- DO NOT USE MORE THAN 150 GRAINS OF BLACK POWDER OF ANY TYPE FROM ANY MANUFACTURER.
- NEVER USE UNIDENTIFIED POWDER OR POWDER YOU CANNOT CONFIRM IS PROPER FOR USE IN A MUZZLELOADER.

Use the below table to find out more about each of the available Black Powders from the following companies:

Brand	Product	Website
Hodgdon*	Pyrodex*	www.hodgdon.com
Hodgdon*	Triple Seven*	www.hodgdon.com
IMR*	White Hots*	www.imrpowder.com
Western Powder*	Blackhorn 209	www.blackhorn209.com
Goex*	Goex*	www.goexpowder.com



WARNING: BECAUSE FIRING MUZZLELOADING RIFLES REQUIRES AN INDIVIDUAL TO BOTH SHOOT AND RELOAD, STRICT ADHERENCE TO ALL INSTRUCTIONS WITHIN THIS MANUAL IS NECESSARY. FAILURE TO FOLLOW ANY INSTRUCTIONS WITHIN THIS MANUAL MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.

INSPECTING



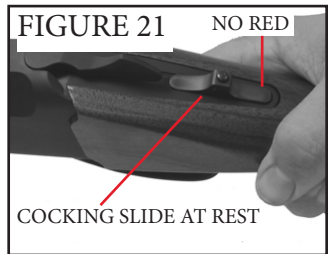
WARNING: ALWAYS ENSURE YOUR FIREARM IS POINTED IN A SAFE DIRECTION. A FIREARM SHOULD NEVER BE POINTED AT ANYTHING YOU DO NOT INTEND TO SHOOT.



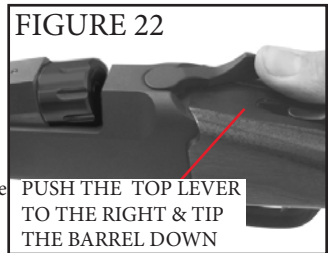
WARNING: BEFORE HANDLING A MUZZLELOADING FIREARM ALWAYS OPEN THE ACTION AND ENSURE THAT THE FIREARM IS BOTH UNCHARGED AND UNPRIMED. NEVER ACCEPT A FIREARM FROM A PERSON IF THE ACTION HAS NOT BEEN OPENED AND INSPECTED. TO CHECK WHETHER A MUZZLELOADING FIREARM HAS BEEN CHARGED, POINT THE FIREARM IN A SAFE DIRECTION AND INSERT THE RAMROD FULLY INTO THE BORE. THE RAMROD WILL BE BELOW THE END OF THE BARREL IF THE FIREARM HAS NOT BEEN CHARGED.

INSPECTING

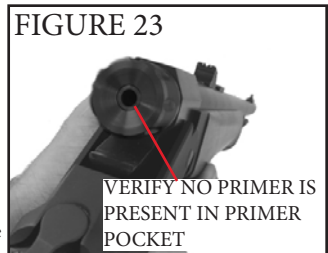
- NEVER ATTEMPT TO FIRE THE REDEMPTION RIFLE WITHOUT THE “RETAINING COLLAR” BEING PROPERLY INSTALLED. THE RETAINING COLLAR MUST BE THREADED IN COMPLETELY CLOCKWISE UNTIL SEATED. FAILURE TO DO THIS COULD CAUSE INJURY OR DEATH TO THE SHOOTER OR OTHERS AND DAMAGE TO PROPERTY.



- With your finger away from the trigger, and the rifle pointed in a safe direction and the cocking slide in the “AT REST” position (Figure 21), open the action to inspect by sliding the top lever to the right and tipping the barrel down (Figure 22).



- Look into the primer pocket to make sure there is no primer present (Figure 23).
- Verify that the bore is clear and free of obstructions by holding the muzzle up to the light and looking through the ignition channel in the primer adapter to ensure that there is no charge present. With the rifle pointed in a safe direction, insert the ramrod fully into the bore. The ramrod will be below the end of the barrel if the firearms is not charged. If you cannot see light or the ramrod does not go in past the end of the barrel, refer to the section in this manual on “Unloading” (pg.34-35).



CHARGING THE LHR REDEMPTION™ MUZZLELOADER



WARNING: MECHANICAL FEATURES CAN FAIL AND SHOULD NEVER BE EXCLUSIVELY RELIED UPON. IT IS YOUR PERSONAL RESPONSIBILITY TO SAFELY HANDLE YOUR FIREARM AND ENSURE ITS SAFE USE.



WARNING: ALWAYS ENSURE YOUR FIREARM IS POINTED IN A SAFE DIRECTION. A FIREARM SHOULD NEVER BE POINTED AT ANYTHING YOU DO NOT INTEND TO SHOOT.

- You must follow this procedure every time a firearm leaves your hand, is cleaned, handed to you or another person, transported or stored.

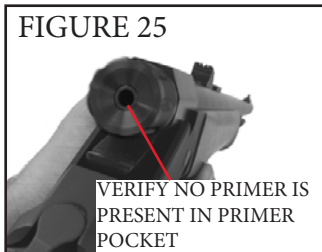
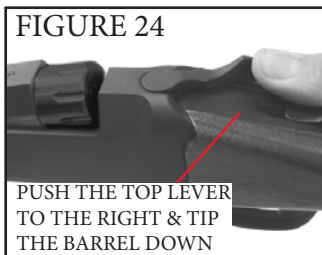
NOTE: Follow the instructions supplied by the manufacturer and heed to all warnings and instructions as they apply to loading and usage of that product.

BEFORE CHARGING:

- Inspect the bore for obstructions from the breech end and oil or debris (and pass a patch through the barrel). This is true with the rifle as it comes from the factory, as it has been treated with protective compound that needs to be cleared before use.
- Do not charge or prime the muzzleloading firearm until you have read and fully understand this manual.
- Do not charge or prime the muzzleloading firearm until you are ready to use it. Keep your finger off the trigger and outside the trigger guard until you are ready to fire.

Read this manual in its entirety before attempting to charge or prime your firearm. Improper loading and use of your firearm can cause injury and/or death to the shooter or bystanders and damage to property.

Study the photo on page 26 carefully and read all the captions before you charge your muzzleloading rifle. The photo shows a shooter in the process of loading a Redemption™ Muzzleloader.



CHARGING THE LHR REDEMPTION CONT'D

Slide the lever to the right and tip the barrel open (down) Look into the primer pocket and check to make sure there is no primer present (Figure 24). Hold the muzzle up to the light and look through the ignition channel in the primer adapter to ensure that there is no charge present (Figure 25). If you cannot see light, refer to the section in this manual on "Unloading" (pg.34-35).

To make sure the Redemption™ muzzleloader is uncharged (unloaded), keep the muzzle pointed in a safe direction and insert the ramrod provided with the rifle into the bore. Note the position of the ramrod in relation to the muzzle. The ramrod will disappear into the barrel entirely (1/2" below the muzzle) if the rifle is not loaded. Commit this exercise to memory and practice it every time that you handle the Redemption™. Before you attempt to load it - before you store it away - before you hand it to a friend or leave it unattended, always check to ensure that the firearm is uncharged and unprimed.

Wipe the bore free of all oil before loading. Be meticulous with your cleaning for the presence of any amount of oil in the barrel or chamber can dampen the powder charge and cause the rifle to misfire or hangfire (refer to this section in the manual on "Cleaning" (pg.42-44)). Point the muzzle in a safe direction and snap several 209 primers in the primer adapter before charging. This will help ensure positive ignition and clear away any oil that may have accumulated in the ignition channel of the primer adapter.

Adjust the powder measurer to dispense the desired charge and fill it with Black Powder or an approved Black Powder substitute. To achieve accuracy, consistency in the powder charge is required. Fill the measure exactly the same each time. Set the rifle on its butt and hold the muzzle away from your face and body as pictured on page 26. Pour the measured charge down the barrel and strike the side of the barrel several sharp raps with the heel of your hand. This will settle the powder into the chamber area of the barrel. If you are using pellets - follow the instructions provided by the pellet manufacturer. Seat the projectile firmly on top of the powder or pellets. Do not pound on the ramrod or beat the projectile with excessive force, so as to crush the powder or pellet(s) and distort the bullet.

CHARGING THE LHR REDEMPTION CONT'D



WARNING: STUDY THE PHOTO BELOW WITH CARE. FAILURE TO PROPERLY CHARGE A MUZZLELOADING FIREARM MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.

Stay mentally alert. This task requires your complete attention.

Barrel must be held securely with muzzle upwards directed away from your face and body.

Keep eyes, ears & arms protected.

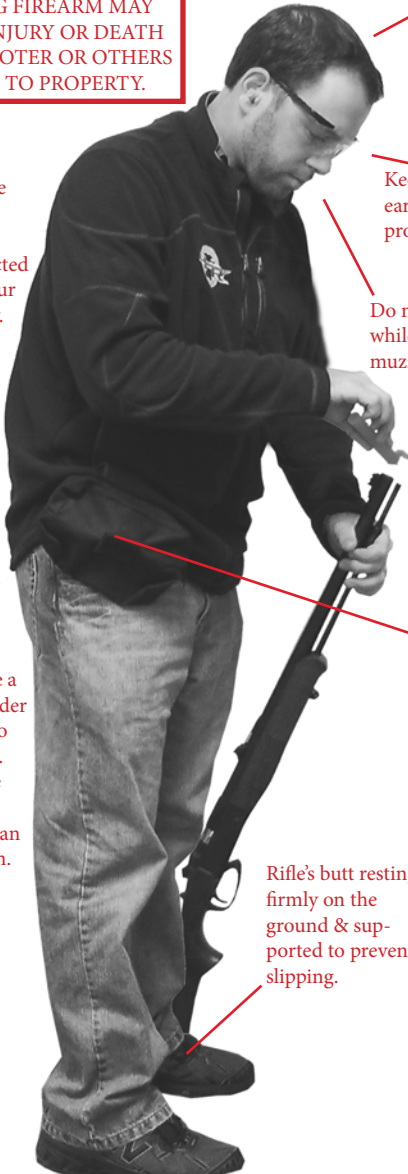
Do not smoke while loading any muzzleloader.

Only use Black Powder or an approved Black Powder Substitute. Use a graduated powder measure and do not overcharge. NEVER charge directly from a powder flask, can or powder horn.

Always keep components and reserve powder well away from the firearm.

The LHR Redemption must be unprimed during charging.

Rifle's butt resting firmly on the ground & supported to prevent slipping.



CHARGING THE LHR REDEMPTION CONT'D

Loading Conical Lead Bullets or Sabots When Using Loose Black Powder or Loose Black Powder Substitute

The procedures for loading sabots or conical bullets when using loose Black Powder or loose Black Powder substitutes are basically the same. Care should be taken to seat the bullet or sabot firmly against the powder charge. Do not pound on it. Once the projectile is seated firmly against the powder charge, mark your ramrod to indicate the correct loaded depth of the powder plus the projectile. This will allow you to ensure that each projectile is seated to the same depth before firing. Re-mark the ramrod each time you adjust the powder charge or change projectiles. When you arrive at the desired charge, mark the ramrod so you have a permanent reference mark. When the powder charge or projectile are then changed, the reference mark should also be changed to indicate the new correct load length.

CONICALS

If you are loading an all-lead conical bullet proceed as follows: do not use any kind of cloth patch with these projectiles. They should be lubricated prior to loading, and are designed to be shot as cast (not sized further). If you have unlubricated bullets we recommend you lubricate them with some type of projectile lubricant free of petroleum.

FIGURE 26



SABOTS:

When loading sabots, do not lubricate them. They are intended to be loaded into the muzzleloader just as they come from the package. In fact, for best results, it is recommended that all evidence of oil or lubricant be removed from the bore before loading a sabot - the dryer the bore the better in terms of optimal accuracy.

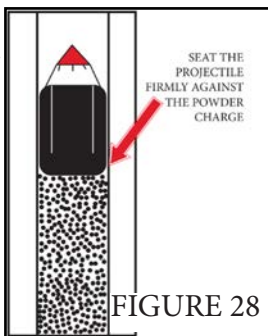
Hold the rifle as picture on page 26 and pour your measured powder into the barrel. Start the lubricated bullet or sabot into the bore easily with finger pressure. Drive the projectile down about four inches into the barrel with the rod end of the bullet starter (Figure 26). Using the ramrod, push the projectile the remainder of the way down the barrel until it contacts the powder charge. Seat the projectile with the same pressure shot after shot to aid in accuracy.

Remove the ramrod from the bore and return it to the thimbles before you prime the firearm.

Push the projectile down the bore with the Multi-Tool inserted on the ramrod (Figure 27) and seat it firmly against the powder charge (See Multi-Tool refer to page 36-37).



Once the projectile is seated firmly against the powder charge (Figure 28), mark your ramrod to indicate the correct loaded depth of the powder plus the projectile (Figure 29). This will allow you to ensure that each projectile is seated to the same depth before firing. Re-mark the ramrod each time you adjust the powder charge or change projectiles. When you arrive at the desired charge, mark the ramrod so you have a permanent reference mark. When the powder charge or projectile are then changed, the reference mark should also be changed to indicate the new correct load length.

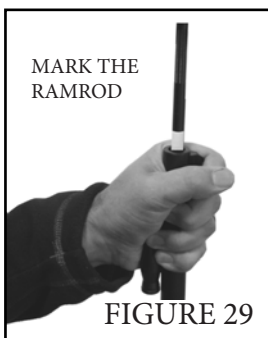


If the bullet stops mid bore, DO NOT SHOOT THE RIFLE, refer to the section in this manual on “Unloading” (pg.34-35).



WARNING: ALWAYS ENSURE YOU HAVE LOADED THE CHARGE IN THE CORRECT SEQUENCE AND THAT THE

PROJECTILE IS SEATED AGAINST THE POWDER CHARGE. NEVER DOUBLE LOAD THE THE RIFLE. FAILURE TO SEAT THE PROJECTILE OR DOUBLE LOAD THE RIFLE MAY CAUSE INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY. IT IS ESSENTIAL TO UNDERSTAND THAT A PROJECTILE MAY MOVE FORWARD AFTER THE FIREARM HAS BEEN CHARGED BECAUSE OF JARRING OR MOVEMENT OF THE FIREARM BECAUSE A MUZZLELOADING PROJECTILE IS NOT CRIMPED INTO POSITION LIKE A FIXED CARTRIDGE PROJECTILE. ADDITIONALLY, ENSURE THAT THE RAMROD HAS BEEN REMOVED FROM THE BORE. IF THE RAMROD IS PRESENT IN THE BORE WHEN FIRED, THE RAMROD MAY OBSTRUCT THE BORE CAUSING A RUPTURED OR BURST BARREL. A RUPTURED OR BURST BARREL MAY CAUSE INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY. IF THE PROJECTILE IS IMPROPERLY LOADED, REFER TO THE SECTION IN THIS MANUAL ON UNLOADING (PG.34-35).

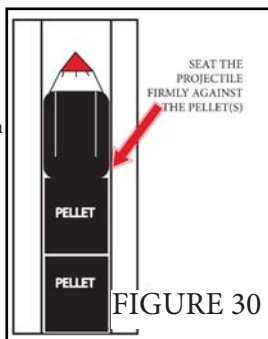


CHARGING THE LHR REDEMPTION CONT'D

Loading Conical Lead Bullets or Sabots When Using Black Powder Substitute Pellets.

Start by loading the pellets into the bore, following the specific pellet manufacturer's instructions.

Next start the projectile into the bore and then use your ramrod to push the projectile the remainder of the way down the bore, until it is seated firmly against the pellet(s) (Figure 30). Do not pound on it, as this will likely crush the pellets and affect the reliability of ignition. It could also deform the bullet and will undoubtedly affect accuracy.



With successive shots, fouling may build up enough in the bore to make loading of subsequent shots more difficult, or even impossible. The more fouling that is present, the more difficult it will be to seat your projectile to the same depth. This will cause differences in pressure, which will in turn affect accuracy. While at the range, you should clean (swab) your bore with a bore cleaner and jag (included) that are suitable for cleaning muzzleloading rifles after each shot, for maximum accuracy. In the field, you can expect to fire two to three shots before swabbing may be necessary. The more powder you use in each charge, the more fouling will build up. When you experience progressively more difficult bullet seating due to buildup of fouling, you must clean the bore or safe loading will become impossible. See the sections on "Cleaning" and on "Unloading/Uncharging".



Once the projectile is seated firmly against the powder charge, mark your ramrod to indicate the correct loaded depth of the powder plus the projectile. This will allow you to ensure that each projectile is seated to the same depth before firing. Re-mark the ramrod each time you adjust the powder charge or change projectiles. When you arrive at the desired charge, mark the ramrod so you have a permanent reference mark. When the powder charge or projectile are then changed, the reference mark should also be changed to indicate the new correct load length. (Figure 31).

If you are loading sabots, make sure that the bore has been cleaned and that all of the oil or lubricant has been removed. A dry and clean bore is better - when shooting sabots - as this will improve accuracy.

PRIMING THE LHR REDEMPTION™



WARNING: DO NOT PRIME A MUZZLELOADING FIREARM UNLESS YOU ARE PREPARED TO FIRE AND HAVE ENSURED THAT THE BORE IS FREE OF OBSTRUCTIONS INCLUDING THE RAMROD. YOUR FIREARM SHOULD NOT BE PRIMED UNTIL THE MOMENT IMMEDIATELY PRECEDING THE TIME YOU WISH TO FIRE. A PRIMED FIREARM IS READY TO FIRE, AND AS A RESULT CARRYING A PRIMED FIREARM MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY IF NEGLIGENTLY HANDLED OR DISCHARGED. IT IS SAFE TO CARRY YOUR FIREARM ONLY IF IT IS UNPRIMED, THE STRIKER IS “AT REST” AND THE MUZZLE IS POINTED IN A SAFE DIRECTION.

If you have followed the preceding instructions in this manual, your firearm will now be charged with Black Powder or an approved Black Powder substitute and a projectile will be firmly seated against the powder charge. The ramrod will be returned to the thimble under the barrel and your ramrod will be marked to the exact seating depth of the powder/projectile combination that you are using - allowing you to ensure that each future projectile is also seated to the same depth in the bore.

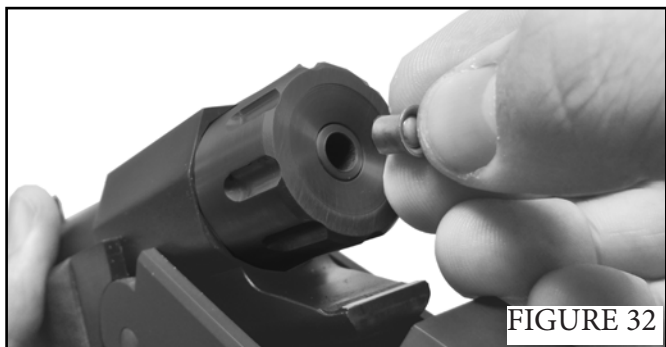
The Redemption™ muzzleloading rifle uses a 209 primer for ignition.

With the muzzle pointed in a safe direction, open the action by pushing the top lever to the right- then tipping the barrel down at the muzzle.

- **NEVER ATTEMPT TO FIRE THE REDEMPTION RIFLE WITHOUT THE “RETAINING COLLAR” BEING PROPERLY INSTALLED. THE RETAINING COLLAR MUST BE THREADED IN COMPLETELY CLOCKWISE UNTIL SEATED. FAILURE TO DO THIS COULD CAUSE INJURY OR DEATH TO THE SHOOTER OR OTHERS AND DAMAGE TO PROPERTY.**

PRIMING THE LHR REDEMPTION CONT'D

WHEN YOU ARE READY TO FIRE YOUR REDEMPTION™, OPEN THE BARREL AND PRIME IT AS SHOWN HERE (FIGURE 32).



Prime the Redemption™ rifle the instant before firing. With the muzzle pointed in a safe direction, open the action and press a 209 primer fully into the primer adapter primer pocket. Tip the barrel back up and lock it in position - at this point the rifle is ready to fire.

If you decide not to fire - make sure the gun is always pointed in a safe direction. Open the action and remove the 209 primer from the primer adapter.

FIRING THE LHR REDEMPTION™



WARNING: ALWAYS ENSURE YOUR FIREARM IS POINTED IN A SAFE DIRECTION. A FIREARM SHOULD NEVER BE POINTED AT ANYTHING YOU DO NOT INTEND TO SHOOT.



WARNING: NEVER USE A FIREARM WITHOUT EAR AND EYE PROTECTORS THAT ARE DESIGNED FOR USE WITH FIREARMS. ALSO ENSURE ANYONE IN THE VICINITY IS ALSO WEARING APPROPRIATE EAR AND EYE PROTECTION.



WARNING: NEVER USE YOUR FIREARM WITHOUT ADEQUATE VENTILATION. DISCHARGE OR CLEANING A FIREARM AND HANDLING AMMUNITION WITHOUT PROPER VENTILATION CAN CAUSE EXPOSURE TO LEAD OR OTHER HARMFUL SUBSTANCES THAT CAN CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND/OR OTHER SERIOUS PHYSICAL INJURY. ALWAYS RIGOROUSLY CLEAN YOUR HANDS AFTER ANY EXPOSURE TO LEAD INCLUDING SHOOTING OR CLEANING OF YOUR MUZZLE-LOADING FIREARM.



WARNING: MECHANICAL FEATURES CAN FAIL AND SHOULD NEVER BE EXCLUSIVELY RELIED UPON. IT IS YOUR PERSONAL RESPONSIBILITY TO SAFELY HANDLE YOUR FIREARM AND ENSURE ITS SAFE USE.

If you have followed the instructions to this point, your rifle will now be charged and primed.

- Grasp rifle firmly with the trigger finger resting on the receiver along and outside of the trigger guard (Figure 33).
- Raise the firearm and pull the stock firmly into the shoulder
- Push the cocking slide forward to the full “COCKED” position with the red dot shown (Figure 34).
- The firearm will now “fire” when pressure is applied to the trigger.
- Aim at the intended target.
- Place your finger on the trigger and squeeze until the firearm fires.
- To reload, refer to the section in this manual on “CHARGING” (pg.24-29).



FIGURE 33

FIRING THE LHR REDEMPTION™ CONT'D

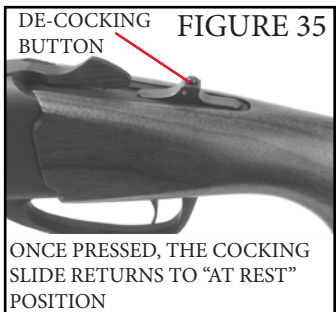
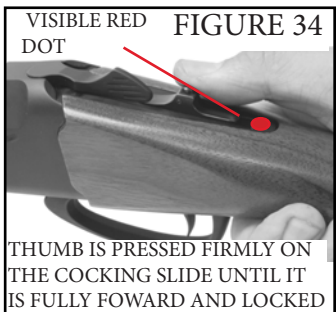


WARNING: IF YOU HAVE CHARGED YOUR FIREARM AND WILL NOT BE FIRING IT, SAFELY UNCHARGE THE FIREARM EITHER BY PULLING THE CHARGE WITH THE APPROPRIATE TOOL, OR BY FIRING INTO A SUITABLE BACKSTOP.

ALWAYS UNLOAD BEFORE PLACING IN A VEHICLE OR HOME. A RIFLE LEFT CHARGED IS LIKELY TO BE DOUBLE LOADED AND CAN CAUSE PERSONAL INJURY OR PROPERTY DAMAGE.

ALWAYS UNCHARGE THE FIREARM AWAY FROM YOUR VEHICLE OR DWELLING IN A SAFE AREA. ANY CHARGED FIREARM MAY BE AT RISK OF ACCIDENTAL DISCHARGE. ACCIDENTAL DISCHARGE MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.

If you decide not to fire; first, make sure the firearm is always pointed in a safe direction - then you must carefully press the de-cocking button on top of the cocking slide to move it from the “COCKED” position to the “AT REST” position. To do this, first ensure that your finger is completely away from the trigger. Press your thumb down on the de-cocking button that is located on the top of the cocking slide and ensure that it slides back into the “At Rest” position and the red dot is no longer visible (Figure 35). Open the action by pushing the top lever on the rifle to the right and remove the 209 primer from the primer adapter.



WARNING: IMMEDIATELY CEASE FIRING IF YOU ARE RECEIVE ANY INDICATION THAT YOUR FIREARM IS NOT PERFORMING PROPERLY WHICH COULD BE BASED ON A CHANGE IN THE WAY THE FIREARM FEELS OR SOUNDS.

KEEP THE FIREARM POINTED IN A SAFE DIRECTION, UNLOAD THE FIREARM AND HAVE IT INSPECTED BY A FACTORY TECHNICIAN BY CALLING LHR SPORTING ARMS CUSTOMER SERVICE AT (603) 335-8091.

UNLOADING AND UNCHARGING



WARNING: ALWAYS ENSURE YOUR FIREARM IS POINTED IN A SAFE DIRECTION. A FIREARM SHOULD NEVER BE POINTED AT ANYTHING YOU DO NOT INTEND TO SHOOT.



WARNING: DO NOT ATTEMPT TO PULL A CHARGE FROM YOUR FIREARM UNLESS YOU ENSURED THAT THE FIREARM IS UNPRIMED BY INSPECTING THE FIREARM PERSONALLY. NEVER SMOKE WHILE PULLING A CHARGE. ANY STRAY SPARK FROM A LIT CIGARETTE, CIGAR, OR PIPE MAY IGNITE BLACK POWDER OR A BLACK POWDER SUBSTITUTE, OR PERCUSSION CAPS OR PRIMERS. AS A RESULT, SMOKING MAY CAUSE PREMATURE FIRING OF A FIREARM OR AN EXPLOSION OF ANY POWDER THAT MAY CAUSE SERIOUS INJURY OR DEATH TO THE SHOOTER OR OTHERS AND DAMAGE TO PROPERTY.

UNLOADING A CHARGE FROM THE LHR REDEMPTION

Under normal conditions the Redemption™ muzzleloader is unloaded simply by firing it into a suitable and safe backstop. There are, however, some conditions under which the firearm cannot be fired and the charge must be removed manually.

SOME OF THE MOST COMMON CONDITIONS ARE AS FOLLOWS:

- If the projectile is not seated firmly against the powder charge, stop immediately! Do not attempt to fire the firearm. You must remove the charge and then clean the barrel.
- If the LHR Redemption muzzleloader is loaded in a proper manner yet fails to fire after repeated priming and clearing of the ignition channel.
- If you are at a location that is unsuitable for discharging the firearm before transporting it.

To remove a charge from your Redemption™ muzzleloader it will be necessary to take the following steps:

- Open the action and make sure that the firearm is unprimed.
- Remove the retaining collar and take the primer adapter out of the rifle.
- Once the primer adapter has been removed, point the muzzle up. Gravity should then cause the propellant to drop out. The bullet can then be pushed out of the bore with your ramrod. To push the bullet fully out of the barrel, it will be necessary to add the Cleaning Adapter (which came with your rifle) to your ramrod, or, you may use a longer “range rod” if you have access to one.

UNLOADING & UNCHARGING CONT'D

- If the powder does not come out as a result of gravity, push the entire charge out from the muzzle end with your ramrod and the installed Cleaning Adapter. If that isn't possible, you should then pour water into the breech area of the barrel to fully saturate (and liquify) the pellets or powder. After the powder is removed, push the bullet out with your ramrod inserted from the muzzle (with the cleaning adapter installed)

If you can't remove the primer adapter at this point:

If you can't remove the primer adapter in order to unload the charge, it will be necessary to submerge the breech section of the barrel in a pail or bucket of water.

Disassembly of the Redemption™ will be necessary.

- Check to make sure the firearm is unprimed by opening the action and removing the primer from the primer adapter.
- Detach the barrel from the action as detailed in the **Disassembly/Section** of this manual.
- Once the barrel is detached from the receiver - submerge the breech area of the barrel in a pail of water (hot water if possible). Make certain that at least 8" of the breech section is submerged for at least 1/2 hour.
- Once the powder has been soaked for 1/2 hour and rendered inert, try removing the projectile from the bore by using your ramrod (or a range rod)
- If for any reason, you are unable to remove the charge in the manner recommended, soak the barrel again. Squirt oil into the primer pocket of the primer adapter and into the barrel's breech area in order to make sure that the powder charge is inert, (if you were to use water only - it will just dry out over a period of time). Return the barrel to the Customer Service Department with a letter describing the problem.

REDEMPTION MULTI-TOOL



WARNING: ALWAYS ENSURE YOUR FIREARM IS POINTED IN A SAFE DIRECTION. A FIREARM SHOULD NEVER BE POINTED AT ANYTHING YOU DO NOT INTEND TO SHOOT.



WARNING: ALWAYS WEAR EYE PROTECTION WHEN ASSEMBLING, DISASSEMBLING, CLEANING, OR PERFORMING MAINTENANCE UPON YOUR MUZZLELOADING FIREARM TO PROTECT AGAINST INJURY FROM PARTS UNDER TENSION.

REDEMPTION™ MULTI-TOOL

Your Redemption™ Muzzleloader includes a Multi-Tool (Figure 36) that is designed to be used for multiple purposes including:

- Removing the retaining collar
- To assist in loading and cleaning the rifle



FIGURE 36

USING THE REDEMPTION™ MULTI-TOOL TO REMOVE THE RETAINING COLLAR

The Redemption™ Multi-Tool is designed to assist in removal of the retaining collar when it cannot be removed directly by hand.

- Open the action by pushing the top lever to the right and pull down on the barrel until the action opens.
- Check the primer pocket to be sure no primer is present in the primer pocket
- Verify that the bore is clear and free of obstructions
- Place the Redemption™ Multi-Tool over the outside of the retaining collar and apply pressure counter clockwise until the retaining collar breaks loose (Figure 37).
- Continue to turn the Multi-Tool counter clockwise until the retaining collar comes completely free from the breech.

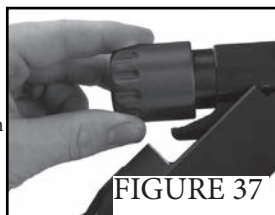


FIGURE 37

REDEMPTION MULTI-TOOL

- If the retaining collar is not able to be removed by hand, remove the ramrod and place it in the hole on the rear of the Multi-Tool tapered end first. Grasp the ramrod close to the Multi-Tool (Figure 38). Grasp the tool and turn counter clockwise until the retainer collar breaks loose. (NOTE: DO NOT APPLY EXCESSIVE FORCE, IF THE RETAINER COLLAR DOES NOT REMOVE EASILY WITH THE RAMROD, CONTACT LHR CUSTOMER SERVICE)

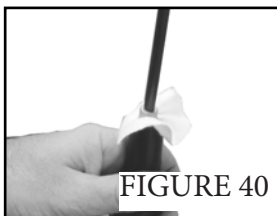
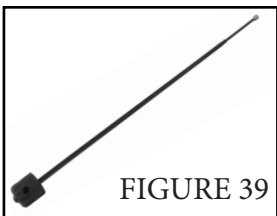


USING THE REDEMPTION™ MULTI-TOOL TO AS A RANGE ROD OR PALM SAVER

The Redemption™ multi-tool can also be used to assist in loading or cleaning the Redemption™ rifle.

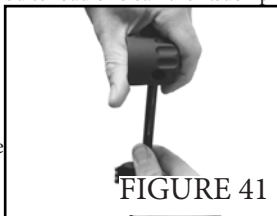
AT THE RANGE:

- Remove the Ramrod from the Redemption™ and unscrew the brass jag by turning it counter clockwise.
- Insert the ramrod into the inside of the Multi-Tool and thread it clockwise until it seats on the ramrod (Figure 39).
- Attach the Cleaning Adapter (Figure 40) to the opposite end of the ramrod by threading it clockwise
- Thread the jag on the end of the Cleaning Adapter by turning it clockwise
- The ramrod can now be used as a range rod to load or clean the Redemption™ rifle.



IN THE FIELD:

- The Redemption™ Multi-Tool also has a side hole that does not pass through the tool which is used as a palm saver to give leverage to load projectiles without having to be threaded in place (Figure 41).



FIELD CLEANING



WARNING: ALWAYS ENSURE YOUR FIREARM IS POINTED IN A SAFE DIRECTION. A FIREARM SHOULD NEVER BE POINTED AT ANYTHING YOU DO NOT INTEND TO SHOOT.



WARNING: ALWAYS WEAR EYE PROTECTION WHEN ASSEMBLING, DISASSEMBLING, CLEANING, OR PERFORMING MAINTENANCE UPON YOUR MUZZLELOADING FIREARM.



WARNING: DO NOT ATTEMPT TO CLEAN OR PERFORM MAINTENANCE UPON A PRIMED OR CHARGED MUZZLELOADING FIREARM. ACCIDENTAL DISCHARGE MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.



WARNING: NEVER CLEAN YOUR FIREARM WITHOUT ADEQUATE VENTILATION. CLEANING A FIREARM WITHOUT PROPER VENTILATION CAN CAUSE EXPOSURE TO LEAD OR OTHER HARMFUL SUBSTANCES THAT CAN CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND/OR OTHER SERIOUS PHYSICAL INJURY. ALWAYS RIGOROUSLY CLEAN YOUR HANDS AFTER ANY EXPOSURE TO LEAD INCLUDING SHOOTING OR CLEANING OF YOUR MUZZLELOADING FIREARM.

NOTE: Although the Redemption™ is protected with a rust resistant coating, residue from burned Black Powder and Black Powder substitutes is still very corrosive. The fouling or residue left over after firing your muzzleloading firearm can be destructive to the firearm's parts. Leaving your firearm uncleaned with this fouling present can lead to a ruined firearm, as the firearms parts will rust and oxidize.

The build-up of fouling from shot to shot will alter the internal ballistics, and will effect accuracy. The bullet lubricant used, the amount of powder in the charge, and the projectile used will all effect the amount of fouling produced with each shot. If not cleaned properly, a projectile may hang up when blocked by fouling preventing it from properly seating and could act as a bore obstruction creating an unsafe condition if fired.



WARNING: IF A PROJECTILE IS SEATED ONLY PORTION OF THE WAY DOWN THE BARREL THIS MAY RESULT IN A BURST BARREL AND MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY. TO PREVENT THIS DANGER, A PROJECTILE MUST ALWAYS BE FULLY SEATED. IF A PROJECTILE IS ONLY SEATED A PORTION OF THE WAY DOWN THE BARREL, THE CHARGE MUST BE REMOVED ACCORDING TO INSTRUCTIONS CONTAINED WITHIN THIS MANUAL. A FIREARM SHOULD NEVER BE FIRED IF THE PROJECTILE IS NOT FIRMLY SEATED AGAINST THE POWDER CHARGE.

FIELD CLEANING CONT'D

The Redemption™ muzzleloader was supplied with a Cleaning Adapter and cleaning jag that are used for cleaning and loading the firearm. Use commercial cleaning patches (round or square) or pieces of cotton to clean the bore.

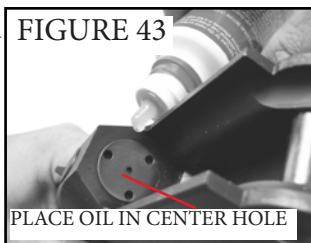
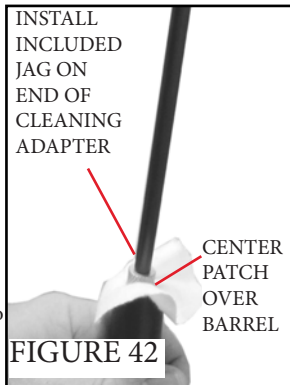
Use the jag that was provided with the Redemption™, and a cleaning patch saturated with a bore cleaner designed for removing Black Powder fouling. Run the saturated patch up and down the bore a few times - to remove the fouling (Figure 42)

Cleaners such as Birchwood Casey® No.77 Muzzle Magic™ is specifically formulated for cleaning fouling caused by Black Powder and Black Powder substitutes.

After removing the fouling from the bore, follow up with a few dry patches to thoroughly dry the bore.

Clean the breech assembly with a soft bristle brush dampened with some solvent. When the breech assembly is dry, lightly oil it.

Use a pressurized moisture displacing oil to clean and lubricate the firing pin within the breech - as shown (Figure 43)



REMOVING THE BARREL OF THE LHR REDEMPTION™



WARNING: BEFORE HANDLING A MUZZLELOADING FIREARM ALWAYS OPEN THE ACTION AND ENSURE THAT THE FIREARM IS BOTH UNCHARGED AND UNPRIMED. CHECK THAT THE BARREL IS UNPRIMED BY TIPPING THE BARREL OPEN AND VISUALLY CHECKING. ANY PRIMER THAT MAY BE IN THE PRIMER ADAPTER WILL THEN BE EXPOSED. ONCE ANY PRIMER HAS BEEN REMOVED, HOLD THE MUZZLE UP TO A LIGHT AND LOOK THROUGH THE IGNITION CHANNEL. IF YOU CAN SEE THROUGH THE BARREL, THE FIREARM IS UNCHARGED. IF THE FIREARM IS CHARGED OR THE BARREL IS OBSTRUCTED YOU MUST REMOVE THE PRIMER ADAPTER AND FOLLOW THE INSTRUCTIONS FOR UNCHARGING YOUR FIREARM WITHIN THIS MANUAL.



WARNING: DO NOT FOR ANY REASON DISASSEMBLE YOUR FIREARM OTHER THAN THE BASIC FIELD STRIPPING PROCEDURE DESCRIBED IN THIS MANUAL. DISASSEMBLY AND REASSEMBLY IF NOT PROPERLY DONE CAN LEAD TO SERIOUS INJURY OR DEATH TO YOU OR OTHERS OR DESTRUCTION OF PROPERTY.

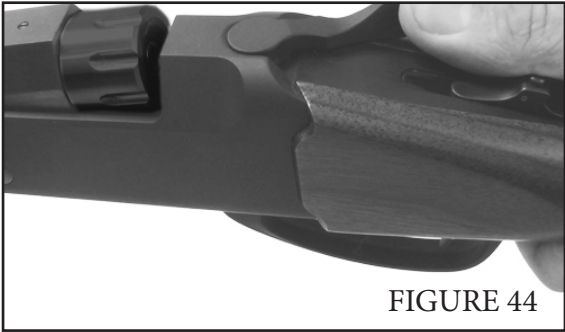
REMOVING THE BARREL OF THE LHR REDEMPTION™ MUZZLELOADING RIFLE.

- Open the action by pushing the top lever to the right and tipping the barrel down. This will expose the breech area.
- Make sure there is no primer seated in the primer pocket. Next, holding the muzzle up to the light, look through the ignition fire channel to make sure you can see through it. If you cannot see through it, it is charged or the channel is obstructed and it will be necessary for you to remove the retaining collar and primer adapter (refer to the section in this manual on “Unloading” (pg.34-35) if charged, if the primer hole is fouled refer to the section in this manual on “Cleaning” (pg.42-44)).

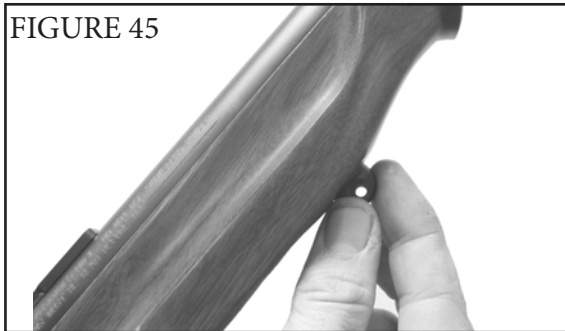
Note: The Redemption™ primer adapter DOES NOT interchange with any other muzzleloader models. Use the primer adapter designated for the Redemption™ only- The Redemption™ primer adapter has no threads and has a visible collar on the rear.

REMOVING THE BARREL CONT'D

- Push the top lever to the right until the action opens downward. Check the breech area to be sure no primer is present in the primer pocket (Figure 44).



- Squeezing the top of the forend against the barrel firmly, remove the forend by grasping the front swivel stud/take down screw and twisting it counter clockwise until it releases pressure completely (Figure 45). (NOTE: if the swivel stud will not remove by hand, insert a sling adapter or small wrench into the swivel stud hole to apply additional pressure)



- With the forend removed, pull down on the barrel until it releases from the hinge pin and comes free from the receiver.(Figure 46).



THOROUGH CLEANING



WARNING: ALWAYS ENSURE YOUR FIREARM IS POINTED IN A SAFE DIRECTION. A FIREARM SHOULD NEVER BE POINTED AT ANYTHING YOU DO NOT INTEND TO SHOOT.



WARNING: ALWAYS WEAR EYE PROTECTION WHEN ASSEMBLING, DISASSEMBLING, CLEANING, OR PERFORMING MAINTENANCE UPON YOUR MUZZLELOADING FIREARM.



WARNING: DO NOT ATTEMPT TO CLEAN OR PERFORM MAINTENANCE UPON A PRIMED OR CHARGED MUZZLELOADING FIREARM. ACCIDENTAL DISCHARGE MAY OCCUR WHICH CAN RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.



WARNING: NEVER USE YOUR FIREARM WITHOUT ADEQUATE VENTILATION. DISCHARGE OR CLEANING A FIREARM AND HANDLING AMMUNITION WITHOUT PROPER VENTILATION CAN CAUSE EXPOSURE TO LEAD OR OTHER HARMFUL SUBSTANCES THAT CAN CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM, AND/OR OTHER SERIOUS PHYSICAL INJURY. ALWAYS RIGOROUSLY CLEAN YOUR HANDS AFTER ANY EXPOSURE TO LEAD INCLUDING SHOOTING OR CLEANING OF YOUR MUZZLELOADING FIREARM.

Proper cleaning is essential to ensure the proper functioning of your firearm.

Your firearm is a precision instrument. To ensure reliable function it is necessary to follow a routine maintenance procedure. When you are finished shooting for the day or for the season plan to store the LHR Redemption muzzleloader away, you must clean the firearm thoroughly. Never store a charged muzzleloader. Follow these instructions for thorough cleaning:

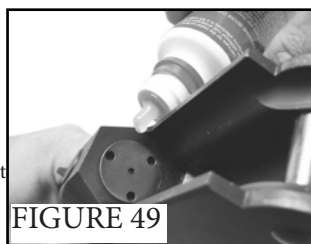
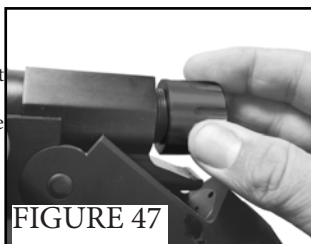
Push the top lever to the right and pull the barrel down. Inspect the primer pocket to be certain that there is no primer in the primer adapter.

THOROUGH CLEANING CONT'D

Remove the primer adapter from the barrel by turning the retaining collar counter-clock-wise (Figure 47). Using your ramrod, tap the primer adapter out of the breech by inserting the ramrod down the muzzle end of the rifle (Figure 48). Inspect the o-ring on the primer adapter to see if there is any damage. (Refer to the section in this manual on "REMOVING AND INSTALLING PRIMER ADAPTERS (pg.45-46)")

NOTE: The Redemption™ primer adapter has an o-ring that functions as a seal to the barrel. If the o-ring on your primer adapter is worn or damaged, it will cause debris to get in the threads of the retaining collar making it difficult to remove. Contact LHR Sporting Arms™ Customer Service Department for replacements.

Once removed, the primer adapter should be scrubbed free of fouling and lubricated (including the o-ring to help seat properly). Then the threads on the outside of the barrel should be lubricated with anti-seize lubricant before reinstallation. The threads inside the retainer collar should also be cleaned thoroughly with a stiff brush and solvent and then dried and lubricated with a light layer of breech plug grease.



Next in the cleaning process, fill a pan with hot soapy water. Submerge the muzzle end of the barrel in the water and push a wet patch down the barrel (from the breech end) on the end of your ramrod that has a jag installed on it (a jag comes with the Redemption™ muzzleloader from the factory). Pump the ramrod and patch up and down in the barrel. This will draw water into the barrel and flush out the fouling. When the barrel is clean, wipe off any excess water and allow it to dry.

Thoroughly wipe any powder residue from the breech assembly. Dry the parts thoroughly and lubricate them lightly to prevent rust and corrosion. Use a pressurized moisture displacing oil to clean and lubricate the firing pin within the breech block - as shown (Figure 49).

After cleaning your Redemption™ muzzleloader, it is recommended that you lightly lubricate the metal surfaces of the rifle. Do not use heavy grease or oil as during cold weather excessive lube may congeal and slow or stop the striker from working when the trigger is pulled.

With the barrel completely dry, lightly lubricate the bore with a quality

THOROUGH CLEANING CONT'D

firearm lubricant. Re-install the primer adapter and retaining collar, making sure that you have lubricated all of the threads with a light layer of breech plug grease.

The primer adapter should be pushed into place in the barrel and the retaining collar threaded clockwise over the external threads of the barrel until it is seated. Be certain that the threads mesh properly (not cross-threaded) and ensure that the retaining collar is snug.

After your Redemption™ muzzleloader primer adapter has been reinstalled, check for proper functioning of the barrel and the hammer/trigger mechanism prior to loading and firing.

The Redemption™ primer adapter has no threads and is fitted into the barrel and is held into place by the retaining collar for quick removal. This primer adapter DOES NOT interchange with any other breech plugs for other models of muzzleloaders. Use a primer adapter designated for use in the Redemption™ only - the correct primer adapter that fits the Redemption™ has a smooth finish and a collar on the rear (Figure 50). Any threaded breech plug should never be attempted to be inserted in the Redemption™.



WARNING: LHR SPORTING ARMS PRIMER ADAPTERS THAT ARE THE SPECIFIC AND CORRECT TYPE FOR YOUR REDEMPTION MUZZLELOADER MUST BE USED. ANY UNAUTHORIZED ALTERNATIVE MAY CAUSE A DANGEROUS SITUATION. MAKE SURE THE THREADS ON THE RETAINING COLLAR ARE LINED UP PROPERLY (NOT CROSS-THREADED) AND THAT THE RETAINING COLLAR IS SNUG BEFORE LOADING AND FIRING.



WARNING: USE OF AN IMPROPER PRIMER ADAPTER OR INSTALLATION WITHOUT A RETAINING COLLAR MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.

If the Redemption™ Muzzleloader has become very dirty due to extensive firing, the shooter may need to disassemble the rifle further than just removing the primer adapter. If this happens, follow the directions in the section on “Removing and Replacing the Primer Adapter”

CAUTION: Always follow the instructions provided with your firearm cleaner and firearm lubricant.

CAUTION: Some cleaners can cause damage to your firearms. You should avoid prolonged solvent immersion and prolonged ultrasonic cleaning of your firearm. Choice of solvent should be restricted to those products specifically developed for firearms maintenance. Damage to a firearm's finish may occur if these cautions are ignored. Ammoniated solvents or other strong alkaline solvents should not be used on any LHR Sporting Arms™ firearm.



FIGURE 50

REMOVING AND INSTALLING PRIMER ADAPTERS



WARNING: ALWAYS ENSURE YOUR FIREARM IS POINTED IN A SAFE DIRECTION. A FIREARM SHOULD NEVER BE POINTED AT ANYTHING YOU DO NOT INTEND TO SHOOT.



WARNING: ALWAYS WEAR EYE PROTECTION WHEN ASSEMBLING, DISASSEMBLING, CLEANING, OR PERFORMING MAINTENANCE UPON YOUR MUZZLELOADING FIREARM.

To remove the primer adapter:

- Remove the ramrod from the thimble(s) and set it aside.
- Open the action by pushing the top lever to the right and tipping the barrel down. This will expose the breech area.
- Make sure there is no primer seated in the primer pocket. Next, holding the muzzle up to the light, look through the ignition fire channel to make sure you can see through it. If you can not see through it, it is charged or the channel is obstructed and it will be necessary for you to remove the retaining collar and primer adapter (see section on “Unloading”).
- Remove the retaining collar by twisting it counter-clockwise (Figure 51). If you are unable to remove the retaining collar by hand, use the provided multi-tool (Refer to the section in this manual on “Multi-Tool” (pg.36-37)) Remove the primer adapter from the bore by inserting your ramrod down the muzzle end of the barrel to tap the primer adapter out (Figure 52). It may be necessary to lift and drop the ramrod multiple times to provide pressure if the primer adapter does not remove initially.
- If the primer adapter does not remove by dropping the ramrod down the barrel, pour a bore cleaning solvent down the muzzle of the barrel and allow it to soak for 20-30 minutes and repeat the removal process.
- If you are still unable to remove your primer adapter, contact LHR Sporting Arms Customer Service™ at 603-335-8091.
- Once the primer adapter is removed, scrub it free of any fouling and clean the barrel where the primer adapter was removed from including the o-ring seat on the face of barrel. Inspect the o-ring for any damage, if the o-ring has any damage or tears, contact the LHR Sporting Arms™ Customer Service Department at 603-335-8091 for replacements.
- After inspection and cleaning of the primer adapter and barrel, apply a light layer of grease to the o-ring and primer adapter body and reinstall.
- Next, reinstall the retaining collar by threading it clockwise until it is seated in place. You should feel the o-ring from the primer adapter seat back into the barrel face when the retaining collar is tight.
- Tip the rifle back up until the rifle locks into place.

INSTALLING OPTIONAL PRIMER ADAPTERS CONT'D

FIGURE 51 TURN RETAINING COLLAR COUNTER CLOCKWISE UNTIL IT IS COMPLETELY REMOVED FROM THE BARREL

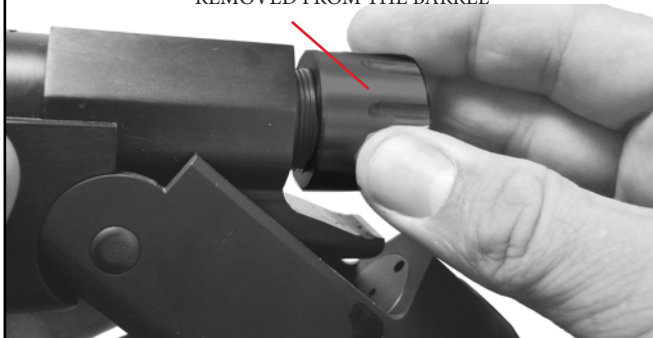
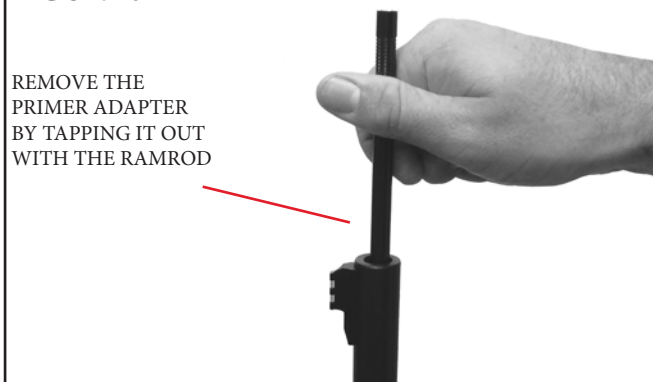


FIGURE 52

REMOVE THE PRIMER ADAPTER BY TAPPING IT OUT WITH THE RAMROD



The Redemption™ allows you to change out the primer adapter to optimize your firearm with the powder that you are using. There are three available primer adapter styles that all are installed using the same methods on page 46:

- Universal- This is the primer adapter that came with your firearm and is designed to perform with both loose or pelletized Black Powder and Black Powder Substitutes.
- Pellet- The pellet plug is optimized for use with pelletized forms of black powder substitutes.
- Loose Powder- The loose powder plug is optimized for use with loose Black Powder and loose Black Powder Substitutes.



WARNING: USE OF AN IMPROPER PRIMER ADAPTER OR INSTALLATION WITHOUT A RETAINING COLLAR MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY.

MOUNTING A SCOPE

LHR Sporting Arms recommends that you have a competent gunsmith installed your scope and mount.



WARNING: NEVER INSTALL A SCOPE ON A FIREARM UNLESS IT IS UNCHARGED AND UNPRIMED. INSTALLING A SCOPE ON A CHARGED OR PRIMED FIREARM CAN LEAD TO SERIOUS INJURY OR DEATH TO YOU OR OTHERS OR DESTRUCTION OF PROPERTY.



WARNING: NEVER DRILL ANY ADDITIONAL HOLES INTO THE BARREL OF A FIREARM. DRILLING CAN WEAKEN THE STRUCTURE OF THE BARREL AND CAUSE A RUPTURE. DRILLING INTO THE BARREL OF YOUR FIREARM MAY RESULT IN INJURY OR DEATH TO THE SHOOTER OR OTHERS OR DAMAGE TO PROPERTY AND WILL VOID YOUR WARRANTY.



WARNING: SCOPES CAN BECOME DETACHED UPON RECOIL IF NOT PROPERLY INSTALLED. A DETACHED SCOPE MAY LAUNCH REARWARD AND COULD STRIKE THE SHOOTER OR OTHERS. ALWAYS CHECK THE CONDITION OF SCOPE MOUNT SCREWS AFTER FIRING AND IF THEY SHOW SIGNS OF LOOSENING DO NOT FIRE THE RIFLE AGAIN, AND IMMEDIATELY TAKE THE FIREARM TO A QUALIFIED GUNSMITH FOR INSPECTION AND/OR REPAIR.



WARNING: IF YOUR EYE IS TOO CLOSE TO THE SCOPE EYEPIECE, OR IF THE FIREARM IS NOT HELD SECURELY, THIS MAY RESULT IN SERIOUS INJURY INCLUDING, BUT NOT LIMITED TO, BLINDNESS.



Different scopes have varying lengths of recommended eye relief. You need to choose a combination that allows for adequate clearance between the scope and your eye. Follow the instructions supplied with the scope and rings for proper installation. (Figure 53).

The barrel is factory drilled and tapped for LHR Sporting Arms™ mounts (included). Using the supplied cap screws, set the base over the four holes on the rear of the rifle. Apply stud lock (permanent installation) or screw lock (temporary installation) to the end of each screw and turn clockwise with a 3/32 wrench until each screw is set to 20-25 inch pounds of torque.

Follow the instructions that come with your scope and the rings for proper installation. Questions should be addressed to the LHR Sporting Arms™ Customer Service Department.

LIFETIME PROMISE

This warranty is granted by LHR Sporting Arms LLC™. This warranty, which shall last for the lifetime of any factory finished firearm to all owners is established by the return of the LHR Sporting Arms™ authorized warranty card within thirty (30) days of purchase of such firearm. With respect to such firearm, this warranty supersedes any and all other warranties.

LHR Sporting Arms™ firearms are warranted to be free from defects in material and workmanship. Any such defects of which LHR Sporting Arms™ receives written notice by the current owner will be remedied by LHR Sporting Arms™ without charge within a reasonable time after such notification and delivery of the firearm as provided below.

Warranty claims (in writing) and the firearm or part thereof concerned should be delivered, postage prepaid, to the factory at LHR Sporting Arms™, 9 Great Falls Ave, Suite 2, Rochester, NH 03867. It is important that the owner comply with all applicable, federal, state and local laws and regulations in the shipment of firearms to LHR Sporting Arms™. Never ship a charged barrel or rifle.

Warranty claims should state the model and, where applicable the serial number of the firearm concerned and the description of the difficulty experienced. It is recommended that shipments be insured by the owner, since LHR Sporting Arms™ will accept no responsibility for loss or damage in transit. Transportation and insurance charges for return to the owner will be paid by LHR Sporting Arms™ if the claim is covered by this warranty.

UNDER NO CIRCUMSTANCE SHALL LHR SPORTING ARMS BE RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES WITH RESPECT TO ECONOMIC LOSS, INJURY, DEATH OR PROPERTY DAMAGE, WHETHER AS A RESULT OF BREACH OF THIS WARRANTY, NEGLIGENCE OR OTHERWISE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

LHR Sporting Arms™ will not be responsible for:

- Defects or malfunctions resulting from careless handling, unauthorized adjustments or modifications made or attempted by anyone other than a qualified gunsmith following LHR Sporting Arms™ authorized procedures, or failure to follow the instructions in the LHR Sporting Arms™ Safety and Instruction Manual
- Use of defective or improper ammunition and/or propellant, corrosion, neglect, abuse, ordinary wear and tear, or unreasonable use.
- Negligent handling or loading of the muzzleloader.
- Use of replacement parts, including but not limited to barrels and springs, other than LHR Sporting Arms™ factory or authorized parts.
- Criminal misuse, negligence, or use under the influence of drugs or alcohol.

Services performed by the LHR Sporting Arms™ Repair Department do not void this warranty. This warranty gives you specific rights, and you may also have other rights which vary from State to State.

Note: All liability is excluded in the event that the instructions in the LHR Sporting Arms™ Safety and Instructions manual are not observed.

CONTACT & SHIPPING FOR SERVICE

Shipping Address: LHR Sporting Arms LLC.™
9 Great Falls Ave., Suite 2
Rochester, NH 03867

Should your LHR Sporting Arms™ firearm require service, it should be returned to LHR Sporting Arms™ factory.

- Call or e-mail the Customer Service Dept. for authorization and shipping instructions
- Ensure that the rifle is unloaded and primer and loads are removed.
- **Do not attempt to ship a firearm via US Postal Service; only federally licensed dealers may ship a firearm by US Postal Service.**
- **DO NOT SHIP ANY AMMUNITION**
- Enclose a letter which includes your full name and address (no P.O. Boxes, please), daytime telephone number, e-mail address, the serial number of the firearm, and details of the problem experienced (stating the brand and type of ammunition used when the problem occurred) or work desired.
- Record the serial number before shipping, in case you wish to check on the repair status of your firearm.
- Please remove all custom parts and accessories, such as stocks, special sights and scopes, or slings from your firearm before returning.
- Place the firearm in its original case or in a similarly secure container and pack it securely.
- The package must **NOT** bear any marking which indicate the identity of the contents.
- It is more important that you comply with federal, state, and local laws and regulations. The following guidelines are meant to help, but you must seek assistance from the appropriate authorities if necessary.
- If your firearm must be replaced, it may be necessary to ship the replacement to a dealer rather than directly to you. You may be requested to furnish a signed FFL (Federal Firearms License) from your dealer in such an instance.
- Warranty repair work will begin upon receipt and examination of the firearm. In the case of repairs or work not covered by the warranty, a quotation covering the cost of the work plus round trip transportation charges will be sent to you. Repairs or modification will begin upon receipt of payment.



WARNING: SOME OF THE ACCESSORIES YOU PURCHASE FOR YOUR LHR SPORTING ARMS FIREARM MUST BE INSTALLED BY A GUNSMITH QUALIFIED TO WORK ON LHR SPORTING ARMS FIREARMS. DO NOT MODIFY YOUR FIREARM OR INSTALL REPLACEMENT PARTS YOURSELF EVEN IF THE INSTALLATION OR REPAIR SEEMS SIMPLE. ALWAYS USE A QUALIFIED LHR SPORTING ARMS GUNSMITH.

LOADING DATA



WARNING: NEVER EXCEED ANY OF THE MANUFACTURERS
MAXIMUM RECOMMENDED CHARGES



WARNING: NEVER FIRE BULLETS OTHER THAN THOSE
DESIGNED FOR MUZZLELOADING.



WARNING: NEVER ATTEMPT TO FIRE MULTIPLE PROJEC-
TILES FROM YOUR MUZZLELOADER

Bullet/Sabot Brand	Grain Bullet	80* Grains*	100 Grain*	150 Grain*
Barnes Spit Fire®	245 gr.	1423 FPS	1640 FPS	1844 FPS
Hornady SST®	250 gr.	1496 FPS	1656 FPS	1896 FPS
Shockwave®	250 gr.	1472 FPS	1642 FPS	1853 FPS
Shockwave®	300 gr.	1452 FPS	1601 FPS	1758 FPS

Highlighted text in red is maximum load

PYRODEX® OR TRIPLE SEVEN® BLACK POWDER SUBSTITUTE PELLETS

Bullet/Sabot Brand	Grain Bullet	100 Grains	150 Grain
Shockwave®	200 gr.	1876 FPS	2148 FPS
Barnes Spit Fire®	245 gr.	1785 FPS	2004 FPS
Hornady SST®	250 gr.	1785 FPS	2010 FPS
Shockwave®	250 gr.	1712 FPS	2005 FPS
Shockwave®	300 gr.	1629 FPS	1848 FPS

Highlighted text in red is maximum load

LOADING DATA CONT'D

**BLACKHORN 209
BLACK POWDER SUBSTITUTE**

Bullet/Sabot Brand	Grain Bullet	80 Grains*	100 Grain*	120 Grain*
Shockwave®	200 gr.	1733 FPS	1993 FPS	2200 FPS
Barnes Spit Fire®	245 gr.	1679 FPS	1924 FPS	2124 FPS
Hornady SST®	250 gr.	1734 FPS	1936 FPS	2119 FPS
Shockwave®	250 gr.	1723 FPS	1920 FPS	2149 FPS
Shockwave®	300 gr.	1632 FPS	1862 FPS	2070 FPS

* In volumetric units, not weight

Highlighted text in red is maximum load



SHIPPING ADDRESS:
LHR SPORTING ARMS LLC™
9 GREAT FALLS AVE., SUITE 2
ROCHESTER, NH 03867

MAILING ADDRESS:
LHR SPORTING ARMS LLC™
ATTN: REPAIRS
9 GREAT FALLS AVE., SUITE 2
ROCHESTER, NH 03867

EMAIL ADDRESS:
CUSTOMERSERVICE@LHRSPORTINGARMS.COM

WEB ADDRESS:
[HTTP://WWW.LHRSPORTINGARMS.COM](http://www.lhrsportingarms.com)

CUSTOMER SERVICE PHONE #:
603-335-8091

Redemption™ Manual Ver. 1 #80000080