

**BROWNING<sup>®</sup>**

# **BUCK MARK RIFLE<sup>®</sup>**

AUTOLOADING RIFLE  
OWNER'S MANUAL



## **Important operating instructions for:**

### **BROWNING® BUCK MARK® AUTOLOADING RIFLE**

If you have any questions about your new firearm, this owner's manual or other Browning products, contact:

Browning Customer Service  
One Browning Place  
Morgan, UT 84050-9326  
Phone: (800) 333-3288  
browning.com

Please use the space below to record information about your new firearm.

Model \_\_\_\_\_

Serial Number \_\_\_\_\_

Purchased From \_\_\_\_\_

Date of Purchase \_\_\_\_\_

### **THANK YOU FOR CHOOSING A BROWNING BUCK MARK AUTOLOADING RIFLE**

In every sense, the Buck Mark Rifle is a true Browning. It gives you the kind of shooting enjoyment you've come to expect from the world's most respected gun company. The Buck Mark Rifle is certainly a firearm you can be proud to own.

With a reasonable amount of care, your Buck Mark Rifle should give you many years of dependable, enjoyable service.

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## STATE WARNING

According to state law, California requires that firearm manufacturers, distributors and retailers include conspicuous, specific warnings with firearms sold in that state.

### **WARNING**

“Children are attracted to and can operate firearms that can cause severe injuries or death. Prevent child access by always keeping guns locked away and unloaded when not in use. If you keep a loaded firearm where a child obtains and improperly uses it, you may be fined or sent to prison.”

### **ADVERTENCIA**

“A los niños los atraen las armas de fuego y las pueden hacer funcionar. Ellos pueden causarse lesiones graves y la muerte. Evite que los niños tengan acceso a las armas de fuego guardándolas siempre con llave y descargadas cuando no las esté utilizando. Si usted tiene un arma de fuego cargada en un lugar en que un niño tiene acceso a ella y la usa indebidamente, le pueden dar una multa o enviarlo a la cárcel.”

## WARNING: YOU ARE RESPONSIBLE FOR FIREARM SAFETY

### **WARNING**

**FAILURE TO FOLLOW ANY OF THE FOLLOWING WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

As a gun owner, you accept a set of demanding responsibilities. How seriously you take these responsibilities can be the difference between life and death.

There is no excuse for careless or abusive handling of any firearm. At all times handle this firearm and all other firearms with intense respect for their power and potential danger.

Please read and understand all of the cautions, warnings, notices, proper handling procedures and instructions outlined in this owner's manual before using your new firearm.

**1 ALWAYS KEEP THE MUZZLE OF YOUR FIREARM POINTED IN A SAFE DIRECTION EVEN THOUGH YOU ARE CERTAIN IT IS UNLOADED.**

Never point any firearm at anything you do not intend to shoot. Be extremely alert and aware of all persons and property within the range of your ammunition.

**2 NEVER RELY TOTALLY ON YOUR FIREARM'S MECHANICAL "SAFETY" DEVICE. LIKE ANY MECHANICAL DEVICE, A "SAFETY" CAN SOMETIMES FAIL; IT CAN BE JARRED OR INADVERTENTLY MANIPULATED INTO AN UNSAFE CONDITION.**

The word "safety" describes a firearm's trigger block mechanism, sear block mechanism, hammer block mechanism or firing pin block mechanism. Mechanical "safeties" are designed to place your firearm in a safer status, and no guarantee can be made that the firearm will not fire even if the "safety" is in the on safe position. Mechanical "safeties" merely aid safe gun handling and are no excuse for pointing your firearm's muzzle in an unsafe direction. See "Operation of the Safety" on pages 10-11 for instructions on the operation of this firearm's "safety."

Remember, safe gun handling does not stop with your firearm's mechanical "safety" devices, it starts there. Always treat this firearm with the respect due a loaded, ready-to-fire firearm.

Some firearms do not have a mechanical "safety." Many target firearms, lever-action firearms and pistols do not have manual "safety" mechanisms. Therefore it is critical to read and understand the owner's manual for every firearm which explains the safe operation of the firearm.

While it is a good idea to "test" your firearm's mechanical "safety" periodically for proper function, never test the "safety" while your firearm is loaded or pointed in an unsafe direction.

**3 WHENEVER YOU HANDLE ANY FIREARM, OR HAND IT TO SOMEONE, ALWAYS OPEN THE ACTION IMMEDIATELY AND VISUALLY CHECK THE FIREARM'S CHAMBER TO MAKE CERTAIN THAT THE FIREARM IS COMPLETELY UNLOADED.**

Make certain the firearm does not inadvertently contain any ammunition. Remember, merely removing the magazine does not mean the chamber is unloaded. Always keep the chamber empty and the “safety” in the on safe position unless shooting is imminent.

**4 ALWAYS WEAR EAR AND EYE PROTECTION WHEN SHOOTING.**

Unprotected, repeated exposure to gunfire can cause hearing damage. Wear hearing protection (shooting ear plugs or muffs) to guard against such damage.

Wear shooting glasses to protect your eyes from flying particles. Allow proper distance (eye relief) between a scope and your eye when firing a scoped rifle, shotgun or pistol. Do not use unorthodox shooting methods that could cause the rearward travel of the slide or bolt of a firearm to contact your eyes, face or hands. Always keep a safe distance between the muzzle of your firearm and any persons nearby, as muzzle blast, debris and ejecting cartridges could inflict serious injury.

Always wear eye protection when disassembling and cleaning any firearm to prevent the possibility of springs, spring-tensioned parts, solvents or other agents from contacting your eyes.

**5 KEEP ALL FIREARMS UNLOADED DURING TRANSPORT, EVEN WHEN STORED IN A HOLSTER, GUN CASE, SCABBARD OR OTHER CONTAINER.**

**6 DROPPING OR JARRING A LOADED FIREARM CAN CAUSE ACCIDENTAL DISCHARGE.**

This can occur even with the “safety” in the on safe position. Be extremely careful while hunting or during any shooting activity to avoid dropping any firearm.

## **7 HUNTING FROM ELEVATED SURFACES SUCH AS TREESTANDS IS DANGEROUS.**

Doing so may increase the risk of mishandling a firearm. The following rules should always be observed by you and those you hunt with. Always make certain that the stand being used is safe and stable. Always make certain that your firearm is unloaded when it is being taken up and down from the stand. Always make certain that your firearm is not dropped from the stand, or dropped while it is being taken up or down from the stand. Remember, a loaded firearm may discharge when dropped, even with the “safety” in the on safe position.

## **8 STORE YOUR FIREARM AND AMMUNITION SEPARATELY, WELL BEYOND THE REACH OF CHILDREN.**

Take prudent safeguards to ensure your firearm does not become available to untrained, inexperienced or unwelcome hands. Store all firearms in secure, locked cases or a gun safe. Keep your firearm unloaded when not in use.

## **9 BEWARE OF BARREL OBSTRUCTIONS.**

Mud, snow and an infinite variety of other objects may inadvertently lodge in a barrel bore. It only takes a small obstruction to cause dangerously increased pressures that can damage your firearm and cause serious injury to yourself and others.

**BEFORE CHECKING FOR A BARREL OBSTRUCTION, BE CERTAIN YOUR FIREARM IS COMPLETELY UNLOADED, THERE IS NOT A LIVE CARTRIDGE IN THE CHAMBER AND THE “SAFETY” IS IN THE ON SAFE POSITION.**

After assuring yourself that the firearm is completely unloaded, open the breech or action and look through the barrel to be sure it is clear of obstructions. If an obstruction is seen, no matter how small it may be, clean the bore with a cleaning rod and patch as described on pages 20-23 of this owner’s manual.

**10 BE ALERT TO THE SIGNS OF AMMUNITION MALFUNCTION. IF YOU DETECT AN OFF SOUND OR LIGHT RECOIL WHEN A CARTRIDGE IS FIRED, DO NOT LOAD ANOTHER CARTRIDGE INTO THE CHAMBER.**

If your firearm fails to fire, keep the muzzle pointed in a safe direction for a minimum of 30 seconds. Rotate the ejection area of the firearm away from you, carefully open the action and remove the cartridge from the chamber. If the cartridge rim (primer) is indented, the defective cartridge should be disposed of in a way that cannot cause harm. If the cartridge rim (primer) is not indented, your firearm should be examined by a qualified gunsmith and the cause of the malfunction corrected before further use. Glance down the barrel to make sure that no obstructions remain in the barrel. Completely clear the barrel before loading and firing again. Failure to follow these instructions can cause extensive damage to your firearm and possible serious injury to yourself and others.

**11 NEVER INSERT A CARTRIDGE OF THE INCORRECT CALIBER INTO ANY FIREARM.**

The caliber of your firearm is marked on the barrel. Store all cartridges of different calibers in completely separate and well-marked containers. Never store cartridges of mixed calibers in a common container or in your pockets. See page 12 for more information on the correct ammunition for your firearm.

**12 EXAMINE EVERY CARTRIDGE YOU PUT IN YOUR FIREARM.**

We assume no responsibility for the use of unsafe or improper firearm and ammunition combinations or damage or injury caused by damaged ammunition. It is your responsibility to read and heed all warnings in this owner's manual and on ammunition boxes. See page 12 for more information on the correct ammunition for your firearm.

**13 USE ONLY SAAMI APPROVED AMMUNITION.**

The barrel and action of this firearm have been made with substantial safety margins beyond the pressures developed by



established American commercial loads. Nevertheless, we can assume no liability for incidents which occur through the use of cartridges of nonstandard dimensions or which develop pressures in excess of commercially available ammunition which has been loaded in accordance with standards established by the Sporting Arms and Ammunition Manufacturers' Institute (SAAMI).

**14 MAKE SURE OF ADEQUATE VENTILATION IN THE AREA THAT YOU DISCHARGE A FIREARM. LEAD EXPOSURE CAN OCCUR FROM DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS OR HANDLING AMMUNITION.**

Lead is a substance that has been known to cause birth defects, reproductive harm and other serious injury. Wash hands thoroughly after exposure to ammunition or after cleaning a firearm.

**15 DO NOT SNAP THE FIRING PIN ON AN EMPTY CHAMBER; THE CHAMBER MAY NOT BE EMPTY!**

Treat every firearm with the respect due a loaded firearm, even though you are certain the firearm is unloaded.

**16 KEEP YOUR FINGERS AWAY FROM THE TRIGGER WHILE LOADING AND UNLOADING UNTIL SHOOTING IS IMMINENT.**

**17 BE SURE OF YOUR TARGET AND BACKSTOP, PARTICULARLY DURING LOW LIGHT PERIODS.**

Know the range of your ammunition. Never shoot at water or hard objects.

**18 ALWAYS UNLOAD YOUR FIREARM'S CHAMBER BEFORE CROSSING A FENCE, CLIMBING A TREE, JUMPING A DITCH OR NEGOTIATING OTHER OBSTACLES.**

Never place your firearm on or against a fence, tree, car or other similar object.

**19 BE DEFENSIVE AND ON GUARD AGAINST UNSAFE GUN HANDLING AROUND YOU AND OTHERS.**

Don't be timid when it comes to firearm safety. If you observe other shooters violating any of these safety precautions, politely suggest safer handling practices.

**20 BE CERTAIN YOUR FIREARM IS UNLOADED BEFORE CLEANING.**

Because so many firearm accidents occur when a firearm is being cleaned, special and extreme care should be taken to be sure your firearm is unloaded before disassembly, cleaning and reassembly. Keep ammunition away from the cleaning location. Never test the mechanical function of any firearm with live ammunition.

**21 TEACH AND SUPERVISE FIREARMS SAFETY TO ALL MEMBERS OF YOUR FAMILY, ESPECIALLY TO CHILDREN AND NON-SHOOTERS.**

Closely supervise newcomers to the shooting sports. Encourage enrollment in hunting and shooting safety courses.

**22 NEVER DRINK ALCOHOLIC BEVERAGES OR TAKE ANY TYPE OF DRUGS BEFORE OR DURING SHOOTING.**

Your vision, motor skills and judgment could be dangerously impaired, making your gun handling unsafe to you and to others.

**23 READ AND HEED ALL WARNINGS IN THIS OWNER'S MANUAL, ON AMMUNITION BOXES AND WITH ALL ACCESSORIES THAT YOU INSTALL ON YOUR FIREARM.**

It is your responsibility to secure the most up-to-date information on the safe handling procedures of your Browning firearm. We assume no liability for incidents which occur when unsafe or improper firearm accessories or ammunition combinations are used.

**24 PRACTICE PERIODIC MAINTENANCE, AVOID UNAUTHORIZED SERVICING.**

Your firearm is a mechanical device which will not last forever, and as such, is subject to wear and requires periodic inspection, adjustment and service. Browning firearms should be serviced by a Browning Recommended Service Center or by our Service

Facility in Arnold, Missouri. We assume no responsibility for injuries suffered or caused by unauthorized servicing, alterations or modifications of Browning firearms.

**25 WE RESERVE THE RIGHT TO REFUSE SERVICE ON FIREARMS THAT HAVE BEEN ALTERED, ADDED TO OR SUBSTANTIALLY CHANGED.**

Removal of metal from the barrel, or modifications of the firing mechanism and/or operating parts, may lead to a refusal of service on such firearms. We will charge you for parts and labor to return the firearm to original specifications.

**DO NOT, UNDER ANY CIRCUMSTANCES, ALTER THE TRIGGER, SAFETY OR OTHER PARTS OF THE FIRING MECHANISM OF THIS OR ANY OTHER FIREARM. FAILURE TO OBEY THIS WARNING MAY RESULT IN INJURY OR DEATH TO YOURSELF OR OTHERS.**

## **BE CAREFUL!**

### **GENERAL DESCRIPTION AND OPERATION**

The Browning Buck Mark Rifle is a single-action autoloading rifle that utilizes a straight blow-back, recoil-operated design for simplicity and reliability. Cartridges are fed from a removable magazine that makes loading the rifle fast and easy. With the chamber and magazine loaded and the “safety” in the off safe or fire position, the rifle will fire a single cartridge with each successive pull of the trigger until the chamber and magazine are empty. The slide of the rifle is designed to stay open after the last cartridge has been fired. The frame is made from CNC-machined 7075-T6 aluminum to ensure tight, consistent parts fit and excellent reliability.

#### **NOTICE**

**DO NOT DRY FIRE THE BUCK MARK RIFLE. DRY FIRING MAY DAMAGE THE FIREARM COMPONENTS, POSSIBLY RENDERING THE FIREARM INOPERABLE.**

FIGURE 1



## NOMENCLATURE

In conventional firearm terminology, the position and movement of parts are described as they occur with the rifle horizontal and in normal firing position; i.e. the muzzle is forward or front; the sights are upward or on top. For general nomenclature refer to Figure 1. General functions and procedures are described and illustrated using a Buck Mark Sporter Rifle. Procedures unique to individual models are discussed separately.

## SERIAL NUMBER

The serial number of your Buck Mark Rifle can be found stamped on the left side of the rifle frame, in front of the trigger guard.

## OPERATION OF THE "SAFETY"

The Buck Mark Rifle incorporates a manual thumb-operated, sear blocking "safety." To put the mechanism on safe, the slide must be fully forward with the hammer cocked. The manual thumb "safety" lever is then pushed upward into the recess provided for it in the slide (Figure 2).

FIGURE 2



Engaging the manual thumb "safety."

Note: this may require firm pressure. Be sure the lever travels to its maximum upward movement and is completely engaged in the recess. Although the sear is now blocked, abusive handling such as a sharp blow could dislodge the hammer or otherwise cause the firing pin to move forward and discharge a cartridge.

## SLIDE RELEASE/ STOP LATCH

The slide release/stop latch is on the left side of the slide, above the magazine release (Figure 3). It automatically engages after the last cartridge in the magazine has been fired. It can also be used to lock the slide in the rearward position when the magazine is removed.

To engage the slide release/stop latch, pull the slide completely rearward and push upward on the slide release/stop latch.

To release the slide when no magazine is in the rifle and the slide is locked rearward, press the slide release/stop latch downward. When pressed, the slide is released and will close under spring pressure.

### **⚠ WARNING**

**MAKE SURE YOUR FINGERS ARE SAFELY AWAY FROM THE CHAMBER WHEN THE SLIDE IS RELEASED TO AVOID PINCHING THEM WHEN THE SLIDE CLOSES.**

## INITIAL CLEANING

### CLEANING

Various exposed metal parts of your new firearm have been coated at the factory with a rust preventative compound. Before firing your rifle, clean the anti-rust compound from the inside of the barrel, receiver and the action-chamber areas. A fine, light gun oil is ideal for

FIGURE 3



The slide release/stop latch is automatically actuated after the last cartridge is fired.

removing this compound and for giving your new firearm its first lubrication. However, any quality firearm oil may be used. Clean the barrel using a cleaning rod and patch as explained under “Cleaning and Maintenance Suggestions” on pages 20-23. If your Buck Mark Rifle is to be stored, it is acceptable to leave the rust preventative compound on the rifle and keep it in its original packaging.

### **NOTICE**

NEVER ATTEMPT TO TAKE YOUR FIREARM APART FURTHER THAN EXPLAINED IN THIS OWNER’S MANUAL. YOUR FIREARM IS A SPECIALIZED, FINELY FITTED MECHANISM. YOU MAY PERMANENTLY DAMAGE IT BY ATTEMPTING TO DISASSEMBLE THE INNER MECHANISM ASSEMBLIES. IF FURTHER DISASSEMBLY FOR SERVICE OR CLEANING IS REQUIRED, TAKE YOUR FIREARM TO A QUALIFIED GUNSMITH, OR CONTACT OUR ARNOLD, MISSOURI SERVICE FACILITY AS EXPLAINED UNDER “SERVICE AND REPAIR” ON PAGE 24.

## **AMMUNITION**

### **⚠ WARNING**

BUCK MARK RIFLES ARE CHAMBERED FOR 22 LONG RIFLE CARTRIDGES ONLY. DO NOT USE AMMUNITION OTHER THAN WHAT IS INSCRIBED ON THE RIGHT SIDE OF THE BARREL. EXAMINE EVERY CARTRIDGE YOU PUT IN YOUR BUCK MARK RIFLE.

The barrel and action of this rifle have been made with substantial safety margins over the pressures developed by established American loads. However, we assume no responsibility for incidents which occur through the use of cartridges of nonstandard dimension or those developing pressures in excess of SAAMI (Sporting Arms and Ammunition Manufacturers’ Institute) established standards.

### **NOTICE**

BUCK MARK RIFLES MUST BE USED WITH ONLY 22 LONG RIFLE RIMFIRE AMMUNITION AS DESIGNATED ON THE BARREL. DO NOT SHOOT 22 SHORT OR 22 LONG AMMUNITION OR BLANKS.

ALWAYS READ THE AMMUNITION LABEL AND ANY ENCLOSURES WITH THE AMMUNITION TO ASSURE THAT THE AMMUNITION IS APPROPRIATE OR THAT THERE IS NO RESTRICTION FOR ITS USE WITH YOUR FIREARM.

## MAGAZINE CAPACITY

The magazine capacity of the Buck Mark Rifle is 10 cartridges.

## LOADING

### **⚠WARNING**

WHEN LOADING YOUR RIFLE ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION, THE "SAFETY" IN THE ON SAFE POSITION, AND YOUR FINGERS AWAY FROM THE TRIGGER. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

### REMOVING AND LOADING THE MAGAZINE

- 1 Inspect the chamber to be sure it is empty (Figure 4).
- 2 Pull the slide rearward and push the slide release/stop latch up to lock the slide to the rear.
- 3 Remove the magazine from the rifle by pressing the magazine release button with your thumb (Figure 5).

FIGURE 4



With the slide locked to the rear, inspect the chamber to be sure it is empty.

FIGURE 5



To remove the magazine, press the magazine release button located on the left of the frame behind the trigger.

- 4 With the chamber empty, close the slide using the slide release/stop latch. To reduce the chance of inadvertently feeding a cartridge into the chamber from the magazine, always close the slide using the slide release/stop latch and place the “safety” in the on safe position before inserting a loaded magazine.
- 5 Place the “safety” up into the on safe position.
- 6 Load the magazine by sliding the magazine follower button located on the side of the magazine down with the thumb of one hand while inserting the cartridges with the other hand (Figure 6).

FIGURE 6

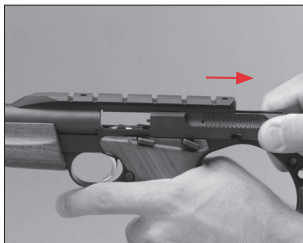


**Depress the magazine's follower button with the thumb of one hand while inserting cartridges with the other hand.**

#### **LOADING THE RIFLE**

- 1 Insert the loaded magazine into the rifle, being certain that the magazine is pressed completely in and is being retained by the magazine latch.
- 2 Slide the “safety” lever down into the off safe position.
- 3 Pull the slide completely back and release the slide. It will move forward under spring pressure and feed the first cartridge from the magazine into the chamber (Figure 7).

FIGURE 7



**Pull back and release the slide to feed the first cartridge from the magazine into the chamber.**



## **⚠WARNING**

**THE RIFLE IS NOW READY TO FIRE. UNLESS SHOOTING IS IMMINENT, IMMEDIATELY RETURN THE "SAFETY" TO THE ON SAFE POSITION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

### **SINGLE-SHOT LOADING**

If you wish to use your Buck Mark Rifle as a single-shot rifle, as when teaching a newcomer how to shoot, it is recommended that you use the following procedure.

- 1 Pull the slide rearward and push the slide release/stop latch up to lock the slide to the rear. Inspect the chamber to be sure it is empty (Figure 4, page 13).
- 2 Remove the magazine from the rifle by pressing the magazine release button (Figure 5, page 13).
- 3 With the chamber empty, close the slide by pushing the slide release/stop latch downward. To reduce the chance of inadvertently feeding a cartridge into the chamber from the magazine, close the slide by pushing the slide release/stop latch down and place the "safety" in the on safe position before inserting a loaded magazine.
- 4 Place the "safety" up into the on safe position.
- 5 Load a single cartridge into the magazine.
- 6 Insert the magazine into the rifle, be certain that the magazine is pressed completely in and is retained by the magazine latch.
- 7 When ready to fire, slide the "safety" lever down into the off safe position.
- 8 Pull the slide completely back and release it. It will move forward under spring pressure and feed the cartridge from the magazine into the chamber.

### **⚠️WARNING**

THE RIFLE IS NOW READY TO FIRE. UNLESS SHOOTING IS IMMINENT, IMMEDIATELY RETURN THE "SAFETY" TO THE ON SAFE POSITION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

## **FIRING**

### **⚠️WARNING**

NEVER CHAMBER A CARTRIDGE OR MOVE THE "SAFETY" FROM THE ON SAFE POSITION UNLESS SHOOTING IS IMMINENT. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

DO NOT USE UNORTHODOX SIGHTING METHODS. YOU WILL HAVE OBSERVED WHEN COCKING THE RIFLE THAT THE SLIDE MOVES REARWARD ABOUT ONE INCH PAST THE REAR OF THE FRAME. TO PREVENT THE SLIDE FROM CAUSING INJURY IN ITS REARWARD MOVEMENT WHEN YOU ARE SHOOTING, KEEP THE RIFLE AWAY FROM THE EYES OR FACE, AND NEITHER HAND SHOULD BE IN A POSITION WHERE IT COULD BE HIT BY THE SLIDE.

- 1 Load a cartridge into the chamber as explained previously. Immediately place the "safety" in the on safe position.
- 2 With a cartridge in the chamber, you need only move the "safety" to the off safe position to make the rifle ready for firing.
- 3 When ready to fire, move the "safety" down into the off safe position, take aim and squeeze the trigger.

After a cartridge has been fired, the slide moves rearward, ejects the empty case, then returns forward, loading a cartridge from the magazine. You may continue to fire the rifle until the magazine is empty by pulling the trigger to fire each cartridge. After the last cartridge is fired, the slide release/stop latch automatically holds the slide in its open or rearward position. If firing is no longer

imminent, remove the magazine and close the slide by pushing down on the slide release/stop latch.

### **▲WARNING**

**AFTER THE LAST CARTRIDGE HAS BEEN FIRED, OR WHEN SHOOTING IS NO LONGER IMMINENT, IMMEDIATELY PLACE THE “SAFETY” IN THE ON SAFE POSITION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

- 4 If the magazine is empty and you wish to continue shooting, follow the instructions in “Loading” on pages 13-15. If you are finished shooting, follow the instructions in “Unloading” on pages 17-18.

When reloading the rifle, it is recommended that you inspect the chamber to be sure it is empty, then close the slide and place the manual thumb “safety” in the on safe position.

To reduce the chance of inadvertently feeding a cartridge into the chamber from the magazine, always close the slide using the slide release/stop latch and place the “safety” in the on safe position before inserting a loaded magazine.

If your Buck Mark Rifle is to be put away and stored, do not insert a loaded magazine in the rifle. The chamber and magazine should remain empty.

## **UNLOADING**

### **▲WARNING**

**WHILE UNLOADING YOUR RIFLE ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION, AND YOUR FINGERS AWAY FROM THE TRIGGER. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

#### **UNLOADING THE RIFLE**

- 1 Depress the magazine release and remove the magazine.

Remember, merely removing the magazine does not mean the chamber is unloaded.

- 2 Slide the manual thumb “safety” down into the off safe position.
- 3 Pull back on the slide and eject the cartridge in the chamber. Lock the slide to the rear by sliding the slide release/stop latch up.
- 4 Inspect the chamber to ensure no cartridge is present.
- 5 When you are certain your rifle is fully unloaded, push down on the slide release/stop latch and allow the slide to return forward.
- 6 Place the “safety” in the on safe position.

#### **UNLOADING THE MAGAZINE**

- 1 Depress the magazine release and remove the magazine. Remember, merely removing the magazine does not mean the chamber is unloaded.
- 2 Unload the rifle as explained previously, make sure the chamber is completely unloaded.
- 3 Strip the cartridges from the magazine by pushing forward on the rim of the top cartridge and sliding each cartridge out, one at a time, as each moves up in the magazine.
- 4 Unload any extra magazines.

#### **DRY FIRING**

##### **NOTICE**

**DO NOT DRY FIRE THE BUCK MARK RIFLE. DRY FIRING MAY DAMAGE THE FIREARM COMPONENTS, POSSIBLY RENDERING THE FIREARM INOPERABLE.**

#### **SIGHT ADJUSTMENT**

##### **▲WARNING**

**BEFORE PERFORMING SIGHT ADJUSTMENT PROCEDURES, MAKE SURE YOUR RIFLE IS COMPLETELY UNLOADED. REMOVE THE MAGAZINE, CHECK**

**THE ACTION AND CHAMBER FOR CARTRIDGES. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

The tapered-barreled Buck Mark Sporter Rifle comes with an integral scope mount and high-visibility fiber-optic sights. While the sight on your rifle may vary slightly, the adjustment procedure is the same. No adjustment of the front sight is necessary. Adjust the rear sight as follows:

**Windage:** Adjustments are made by loosening the rear screw (Figure 8) and sliding the sight assembly to the left or right by hand. Be sure to tighten the screw after adjusting. Move the sight assembly in the direction you would like the point of impact to move.

**Elevation:** Adjust using the middle screw. To raise the point of impact, turn clockwise. To lower the point of impact, turn counterclockwise.

### **NOTICE**

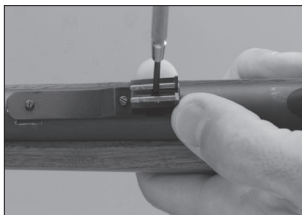
**USE ONLY A DAMP CLOTH TO CLEAN THE FIBER OPTIC LIGHT PIPES. USE OF SOLVENTS OR OTHER CHEMICALS COULD DAMAGE THE FIBER-OPTIC LIGHT PIPES.**

## **MOUNTING A SCOPE**

### **⚠ WARNING**

**BEFORE INSTALLING A SCOPE OR OPTICAL SIGHT, MAKE SURE YOUR RIFLE IS COMPLETELY UNLOADED. REMOVE THE MAGAZINE, CHECK THE ACTION AND CHAMBER FOR CARTRIDGES. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

**FIGURE 8**



**To adjust windage, turn the screw located on the rear of the sight.**

Heavy-barreled Buck Mark Target Rifles include an integral scope rail intended to be used with a scope or electronic sight (sold separately). Be sure to follow manufacturers' mounting instructions that are included with any accessories you install on your rifle.

## **CLEANING AND MAINTENANCE SUGGESTIONS**

### **⚠ WARNING**

**BEFORE PERFORMING CLEANING PROCEDURES, MAKE SURE THE MAGAZINE IS REMOVED FROM THE FIREARM AND THE CHAMBER IS COMPLETELY UNLOADED. PLACE THE "SAFETY" IN THE ON SAFE POSITION. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

### **⚠ WARNING**

**WEAR EYE PROTECTION WHEN DISASSEMBLING AND CLEANING YOUR RIFLE TO PREVENT THE POSSIBILITY OF SPRINGS, SPRING-TENSIONED PARTS, SOLVENTS OR OTHER AGENTS FROM CONTACTING YOUR EYES, RESULTING IN INJURY.**

### **⚠ WARNING**

**KEEP ALL AMMUNITION AWAY FROM THE CLEANING AREA. NEVER TEST THE MECHANICAL FUNCTION OF YOUR RIFLE WITH LIVE AMMUNITION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

## **CLEANING PROCEDURES**

Your Buck Mark Rifle will function better and more reliably over a longer period of time if it is properly maintained and kept clean.

Clean your Buck Mark Rifle after every day of shooting, and more often if it becomes excessively dirty. A minimum cleaning includes wiping down the action and oiling key parts. Most regular maintenance will also include cleaning the barrel. If you encounter a function problem be sure to clean your firearm thoroughly to see if it

solves the problem before seeking the services of a Browning Recommended Service Center or our Service Facility in Arnold, Missouri, or a qualified gunsmith.

### **NOTICE**

**DO NOT PLACE LARGE AMOUNTS OF OIL INTO THE ACTION. EXCESS OIL WILL RUN BACK INTO THE WOOD OF THE GRIPS (IF SO EQUIPPED) AND SOFTEN THE WOOD, WITH CONSEQUENTIAL LOOSENING OF THE GRIPS.**

- 1 Pull the slide rearward and lock it open with the slide release/stop latch. Visually inspect the action and chamber to be certain they are empty.
- 2 Dip or spray a small, stiff-bristled nylon brush with a quality gun cleaning solvent and scrub the breech and face of the slide to remove build up (Figure 9).

FIGURE 9



Clean with a nylon brush.

### **▲WARNING**

**MOST SOLVENTS ARE HIGHLY FLAMMABLE. WEAR EYE PROTECTION AND PRACTICE APPROPRIATE SAFETY MEASURES WHEN WORKING WITH SOLVENTS TO AVOID SERIOUS INJURY.**

- 3 Clean the bore using a rifle cleaning rod with a tip and a patch made for 22 caliber rifles. Ordinarily a lightweight high-quality gun oil will suffice for cleaning the bore. Carefully insert the rod and patch into the muzzle and run it back and forth several times. Do not allow the cleaning rod to strike the crown of the muzzle, as damage to this area can affect the accuracy of your rifle. Depending on the amount of use, the bore may need to be cleaned with a good quality nitro solvent. Inspect the chamber and bore for powder fouling. A normal amount of powder residue can be expected and is not serious. It can usually be removed with a patch

saturated with nitro solvent. If, or when, fouling should become heavy, it can be removed with a brass bore brush. Dip or spray the brush with nitro solvent and scrub the chamber and bore until the fouling is removed. To prevent brass bristles from breaking off, the brush should be pushed completely through the barrel before being withdrawn.

Browning offers a complete line of products to make cleaning your firearm fast and easy. Be sure to follow all instructions when using any product to clean your firearm.

- 4 After all fouling has been removed, the chamber and bore should be wiped dry. Next pass a lightly oiled patch through the bore for preservation. A fine, light gun oil is recommended.
- 5 Use a small nylon brush to remove dirt or other foreign matter from the other parts of the action.
- 6 Lightly lubricate all moving parts, the frame where the slide contacts it and the spring guide with a high-quality, lightweight gun oil. Use oil sparingly, a very light film is sufficient. A fine, lightweight gun oil is ideally suited for this purpose.

### **NOTICE**

**DO NOT USE EXCESSIVE LUBRICANT. USING TOO MUCH LUBRICANT CAN INTERFERE WITH THE FUNCTIONING OF YOUR RIFLE.**

#### **CLEANING THE MAGAZINE**

Frequently inspect magazines to determine the need for cleaning as lubricant and dirt will gradually collect in the mechanism. Normally, the magazine should be cleaned after firing 500 to 1000 cartridges.

- 1 Clean the magazine by spraying it both inside and out with an aerosol solvent that will not adversely affect the polymer magazine follower or corrode the metal components.



- 2 Cycle the magazine follower to loosen and remove dirt and grease.
- 3 Depress the follower and, using a cleaning rod with a tip and patch that will fit into the top of the magazine, clean any deposits of built-up material from the front of the magazine.
- 4 Spray the magazine again with polymer-safe solvent both inside and out, to loosen debris.
- 5 Shake all excess solvent from the magazine and dry with a cloth or blow dry with compressed air, if available.

### **NOTICE**

**NEVER ATTEMPT TO TAKE YOUR FIREARM APART FURTHER THAN EXPLAINED IN THIS OWNER'S MANUAL. YOUR FIREARM IS A SPECIALIZED, FINELY FITTED MECHANISM. YOU MAY PERMANENTLY DAMAGE IT BY ATTEMPTING TO DISASSEMBLE THE INNER MECHANISM ASSEMBLIES. IF FURTHER DISASSEMBLY FOR SERVICE OR CLEANING IS REQUIRED, TAKE YOUR FIREARM TO A QUALIFIED GUNSMITH, OR CONTACT OUR ARNOLD, MISSOURI SERVICE FACILITY AS EXPLAINED UNDER "SERVICE AND REPAIR" ON THE FOLLOWING PAGE.**

## SERVICE OR REPAIR

If your firearm should require service or repairs, we suggest you first contact a local recommended Browning Firearms Service Center. To locate a service center visit [browning.com](http://browning.com), contact our Customer Service Department or your Browning firearms dealer for the address of the Service Center nearest you. Otherwise, you may send your firearm directly to our Service Department in Arnold, Missouri.

Parts listings, Firearm Service Center lists, service procedures, service/repair form and general product information are also found on the internet at [browning.com](http://browning.com). For technical questions about your firearm or service, contact:

United States customers contact:  
Browning Firearm Status and  
Technical Service  
3005 Arnold Tenbrook Rd  
Arnold, MO 63010-9406  
Phone: (800) 322-4626

Canadian customers contact:  
Browning Canada Sports Ltd/Ltée  
5583 Chemin St-François  
St-Laurent, Quebec H4S 1W6  
Phone: (514) 333-7261

When returning your firearm for servicing, you must do the following:

- 1 Be sure it is completely unloaded.
- 2 Remove the scope or other optics.
- 3 Package it securely in a cardboard container.
- 4 Enclose the service/repair form available at [browning.com](http://browning.com) or a letter that clearly describes the trouble experienced, the ammunition used and the repairs desired. Also include your name, e-mail address (if possible) and a daytime phone number where you can be reached.
- 5 If convenient, send a copy of the service/repair form or letter to us separately.
- 6 Never return ammunition with your firearm. It is against postal and most commerce regulations.





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**BROWNING US:** Morgan, Utah 84050-9326

**BROWNING CANADA:** Browning Canada Sports Ltd/Ltée, St-Laurent, Quebec H4S 1W6

**BROWNING INTL:** Parc Industriel des Hauts-Sarts, B-4040 Herstal, Belgium

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