

**BROWNING<sup>®</sup>**

**A-BOLT<sup>®</sup>**

BOLT-ACTION RIFLE  
OWNER'S MANUAL



**Important operating instructions for:**

**BROWNING® A-BOLT®  
BOLT-ACTION RIFLE**

If you have any questions or comments regarding your new firearm, please contact us.

Browning Consumer Information  
One Browning Place  
Morgan, UT 84050-9326  
Phone: (801) 876-2711  
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 A-BOLT RIFLE**

We are pleased that you have chosen a Browning A-Bolt rifle. The Browning A-Bolt is one of the finest bolt-action rifles on the market today — it is also one of the most accurate. The Browning A-Bolt represents a new generation of A-Bolt rifles, designed with improved features for superior performance.

With a reasonable amount of care, your A-Bolt 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 HEED 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 pistol, rifle or shotgun. 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 33-37 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 SHELL IS FIRED, DO NOT LOAD ANOTHER SHELL INTO THE CHAMBER.**

If your rifle 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 primer is indented, the defective cartridge should be disposed of in a way that cannot cause harm. If the 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 pages 14-15 for more information on the correct ammunition for your firearm.

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

We cannot assume any 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 pages 14-15 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.

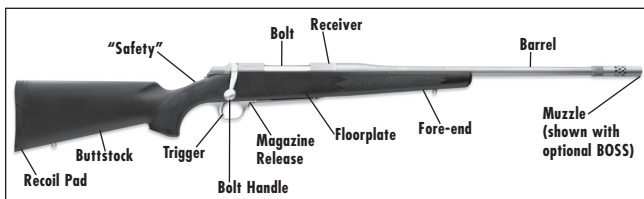
It is your responsibility to secure the most up-to-date information on the safe handling procedures of your Browning firearm.

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 cannot assume any responsibility for injuries suffered or caused by unauthorized servicing, alterations or modifications of Browning firearms.

FIGURE 1



## 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 A-Bolt is a bolt-action rifle that operates by lifting the bolt handle, drawing the bolt rearward and then sliding the bolt forward and rotating the bolt downward until it stops. This process takes a cartridge from the magazine and loads it into the chamber for firing. Operation of left-hand models is identical, except that the bolt is located on the left side of the receiver. All operations of the A-Bolt are illustrated in this owner's manual with a right-hand model.

The A-Bolt's short, 60° bolt lift lets you cycle the action rapidly for quick follow-up shots. Because the bolt does not swing up as high as other bolt-action rifles when open, there is ample scope clearance.

The A-Bolt has a strong three-lug, anti-bind bolt. Weight is reduced while maintaining the strength necessary to handle magnum calibers.

Other significant features include the convenient hinged floorplate with detachable box magazine and thumb-operated top-tang “safety.” The distinctive smooth plane top of the receiver provides a firm platform for scope mount placement.

## NOMENCLATURE

In conventional firearm terminology the position and movement of firearm parts are described as they occur with the firearm horizontal and in the normal firing position: i.e., the muzzle is forward or in front; the buttstock is rearward or to the rear; the trigger is downward or underneath; the scope is upward or on top. For general parts nomenclature, refer to Figure 1 (page 9).

## SERIAL NUMBER

The serial number of your firearm can be found on the right side of the receiver, in front of the bolt handle.

## OPERATION OF THE “SAFETY”

### ▲WARNING

**ALWAYS KEEP THE “SAFETY” IN 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.**

The “safety” is located on the top tang at the rear of the receiver. When the “safety” is drawn to the rear, the firearm is in the on safe position (Figure 2, page 11). This blocks the trigger and locks the bolt in the closed position. In this position an “S” will appear on the tang in front of the “safety.”

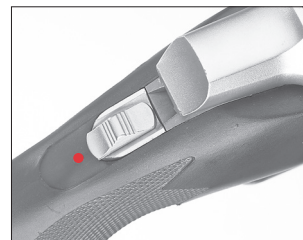
When the “safety” is pushed forward, the “S” will be covered and a red dot will appear indicating that the rifle is in the “off safe” position and ready to fire (Figure 3, page 11).

FIGURE 2



“Safety” shown in the on safe position.

FIGURE 3



“Safety” shown in the off safe position.

### ▲WARNING

**DO NOT DEPEND ON THE RED COLOR ALONE TO INDICATE YOUR FIREARM’S SAFETY STATUS. TIME, EXPOSURE TO THE ELEMENTS, AND THE ABRASIVE ACTION OF CLEANING AGENTS CAN ERASE IT. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN SERIOUS INJURY OR DEATH.**

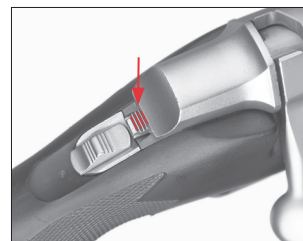
## COCKING INDICATOR

Below the bolt shroud and ahead of the “safety” is a serrated cocking indicator. The indicator is painted red. When the rifle is cocked it may be readily felt with the thumb as well as easily seen with a quick glance downward (Figure 4). When the rifle is fired, the cocking indicator retracts into the bolt shroud and cannot be seen or felt.

### ▲WARNING

**DO NOT DEPEND ON THE RED COLOR ALONE TO INDICATE YOUR FIREARM’S SAFETY STATUS. TIME, EXPOSURE TO THE ELEMENTS, AND THE ABRASIVE ACTION OF CLEANING AGENTS CAN ERASE IT. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN SERIOUS INJURY OR DEATH.**

FIGURE 4



The location of the cocking indicator, shown in the cocked position.

## INITIAL CLEANING

### NOTICE

PLEASE TAKE NOTE OF THE FOLLOWING INFORMATION BEFORE CLEANING YOUR FIREARM.

### CLEANING PARTS WITH SPECIAL FINISHES

Be especially careful when cleaning guns with camouflage, Dura-Touch® Armor Coating and other special finishes. Always prevent these surfaces from coming in contact with cleaning solvents, barrel scrubbers and other strong chemicals. It is preferable to clean these surfaces with a light gun oil containing no solvents, or with a damp cloth and mild dish soap (be sure to keep water out of the action). When cleaning your firearm's bore and action, protect the external finishes from any contact with chemicals used. Also, avoid any contact between external finishes and other strong chemicals like those found in DEET-containing insect repellents, sunscreens, etc. Damage to camouflage, Dura-Touch and other finishes caused by chemicals is irreversible and not repairable.

### CLEANING

Various exposed metal parts of your new firearm have been coated at the factory with a rust preventative compound. A fine, light gun oil is ideal for removing this compound and for giving your new firearm its first lubrication. Before shooting your firearm, clean the anti-rust compound from the inside of the barrel, receiver and the action/chamber areas. Clean the barrel using a cleaning rod and patch as explained under "Cleaning and Maintenance Suggestions" on pages 33-37. If your A-Bolt rifle is to be stored, it is acceptable to leave the rust preventative compound on the rifle and keep it in its original packaging.

## INSERTING AND REMOVING THE BOLT

### WARNING

**ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. BEFORE INSERTING OR REMOVING THE BOLT, VISUALLY INSPECT THE CHAMBER**

**TO BE ABSOLUTELY CERTAIN THE FIREARM IS COMPLETELY UNLOADED. FAILURE TO FOLLOW THIS WARNING COULD RESULT IN SERIOUS INJURY OR DEATH.**

The A-Bolt rifle comes packed in a foam-padded box with the bolt removed from the rifle. To install the bolt into the receiver perform the following procedure:

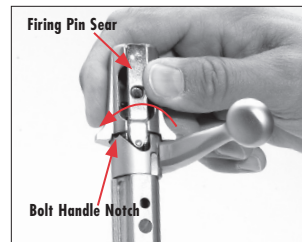
### FIRST INSTALLATION OF THE BOLT

Before inserting the bolt into your A-Bolt, make sure the firing pin is cocked and the "safety" is in the off safe position. When the firing pin is cocked, the cocking indicator is visible at the rear of the bolt. If the cocking indicator is not in the cocked position this means that the firing pin is not cocked. To cock the firing pin simply turn the rear section of the bolt clockwise (when viewed from the indicator end) until the firing pin sear engages the notch in the bolt handle (Figure 5). On a new rifle where surfaces are not yet burnished from use, it may be difficult to rotate the bolt sleeve by hand. If so, carefully grasp the firing pin sear in a padded vise and lift the bolt handle.

### INSERTING THE BOLT

- 1 Place the "safety" in the off safe position.
- 2 Ensure the lugs on the bolt sleeve and the lugs on the bolt are aligned.
- 3 Align the forward end of the bolt in the rear opening of the receiver. It is not necessary to depress the bolt stop to insert the bolt, but you may do so to ease the installation (Figure 6, page 14).
- 4 Push the bolt completely forward and rotate the handle down to lock it.

FIGURE 5

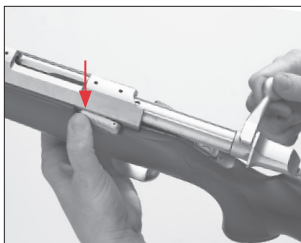


Turn the rear of the bolt clockwise until the firing pin sear engages the notch in the bolt handle.



- 5 Immediately place the “safety” in the on safe position. The rifle is now assembled and may be operated normally.

FIGURE 6



Press the front of the bolt stop to insert or remove the bolt.

#### REMOVING THE BOLT

- 1 Place the “safety” in the off safe position.
- 2 Rotate the bolt handle upward.
- 3 The bolt stop is the horizontal bar on the left side of the receiver (Figure 6). Press inward on the front end of the bolt stop and carefully draw the bolt to the rear and out of the receiver.

#### NOTICE

WHEN REMOVING THE BOLT FROM THE RECEIVER, TAKE CARE TO PREVENT THE COCKING INDICATOR FROM STRIKING AND DAMAGING THE COMB OF THE STOCK.

#### AMMUNITION

##### ▲WARNING

DO NOT USE AMMUNITION OTHER THAN WHAT IS INSCRIBED ON THE RIGHT SIDE OF THE BARREL. EXAMINE EVERY CARTRIDGE YOU PUT IN YOUR FIREARM.

DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES KNOWN TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM AND OTHER SERIOUS PHYSICAL INJURY. HAVE ADEQUATE VENTILATION AT ALL TIMES. WASH HANDS THOROUGHLY AFTER HANDLING AMMUNITION.

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.

#### MAGAZINE CAPACITY

The A-Bolt utilizes a unique detachable box magazine attached to a hinged floorplate. The magazine on standard calibers holds four cartridges. On magnum calibers, Micro Medallion, 284 Win., WSM and WSSM models, the capacity is three cartridges. Under certain conditions it may be possible to load an extra cartridge into the magazine of the Micro Medallion; however, this practice may alter the function of your firearm. With an extra cartridge in the magazine and the bolt closed, it may not be possible to latch the magazine floorplate.

Remember, “total” rifle capacity includes an additional cartridge which can be loaded in the chamber in addition to a full magazine.

#### LOADING THE MAGAZINE

##### ▲WARNING

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

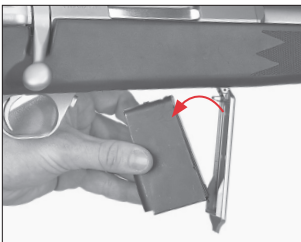
DO NOT CARRY YOUR RIFLE WITH A CARTRIDGE IN THE CHAMBER TO AVOID ACCIDENTAL DISCHARGE. WHEN FIRING IS NO LONGER IMMINENT, MAKE SURE THE “SAFETY” IS IN THE ON SAFE POSITION AND UNLOAD THE CHAMBER. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

FIGURE 7



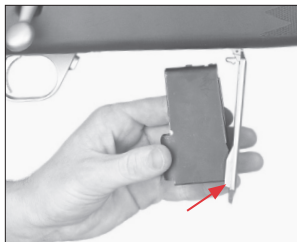
Press the magazine latch and allow the hinged floorplate-magazine to swing down.

FIGURE 8



Grasp the sides of the magazine toward the front, then pull the magazine off the floorplate.

FIGURE 9



Insert the small lip on the rear face of the magazine into the matching groove in the back end of the floorplate.

FIGURE 10



Lay a cartridge on top of the magazine follower and press down with your thumb until it is retained in the magazine.

#### LOADING THE MAGAZINE DETACHED FROM THE FLOORPLATE

- 1 Close the bolt and place the “safety” in the on safe position.
- 2 Press the magazine latch in front of the trigger guard and allow the hinged floorplate-magazine unit to swing downward (Figure 7).
- 3 Detach the magazine by grasping the sides of the magazine and pulling it off the hinged floorplate (Figure 8).
- 4 Once the magazine has been detached, it may be loaded by laying a cartridge on top of the follower and pressing down with your thumb until it is retained in the magazine. Load subsequent cartridges into the magazine in the same manner.

#### **NOTICE**

THE BASE OF EACH CARTRIDGE MUST BE FLUSH WITH THE REAR OF THE MAGAZINE. IF THE NOSE OF A CARTRIDGE PROTRUDES BEYOND THE FRONT OF THE MAGAZINE, IT COULD CAUSE FEEDING PROBLEMS OR INTERFERE WHEN INSERTING THE MAGAZINE INTO THE RIFLE.

- 5 Reattach the magazine by inserting the small lip on the rear face of the magazine into the matching groove in the back end of the floorplate (Figure 9, page 17). Snap the front of the magazine firmly into place.

- 6 After loading the magazine, swing the floorplate and loaded magazine upwards until it is retained by the magazine catch.

Extra magazines may be carried loaded for rapid replacement of an empty magazine using this same procedure.

#### LOADING THE MAGAZINE WHEN ATTACHED TO THE FLOORPLATE

- 1 Close the bolt and place the “safety” in the on safe position.
- 2 Press the magazine latch in front of the trigger guard and allow the hinged floorplate-magazine unit to swing downward (Figure 7, page 16).
- 3 Lay a cartridge on top of the follower and press down with your thumb until it is retained in the magazine (Figure 10). Load subsequent cartridges into the magazine in the same manner.

#### **NOTICE**

THE BASE OF EACH CARTRIDGE MUST BE FLUSH WITH THE REAR OF THE MAGAZINE. IF THE NOSE OF A CARTRIDGE PROTRUDES BEYOND THE FRONT OF THE MAGAZINE, IT COULD CAUSE FEEDING PROBLEMS OR INTERFERE WHEN INSERTING THE MAGAZINE INTO THE RIFLE.

- 4 After loading the magazine, swing the floorplate and loaded magazine upwards until it is retained by the magazine catch.

#### **CONVENTIONAL MAGAZINE LOADING PROCEDURE**

The A-Bolt may also be loaded like most bolt action rifles. With the bolt drawn open, cartridges are inserted down into the magazine through the ejection port.

- 1 Place the “safety” in the off safe position.
- 2 Open the bolt.
- 3 Lay a cartridge on top of the follower and press down with your thumb until it is retained in the magazine. Load subsequent cartridges into the magazine in the same manner.

#### **NOTICE**

**THE BASE OF EACH CARTRIDGE MUST BE FLUSH WITH THE REAR OF THE MAGAZINE. IF THE NOSE OF A CARTRIDGE PROTRUDES BEYOND THE FRONT OF THE MAGAZINE, IT COULD CAUSE FEEDING PROBLEMS OR INTERFERE WHEN INSERTING THE MAGAZINE INTO THE RIFLE.**

- 4 If you do not wish to load the chamber, depress the top cartridge with your finger and close the bolt. The bolt will slide over the top cartridge.
- 5 Immediately place the “safety” in the on safe position.

#### **LOADING THE CHAMBER**

#### **⚠WARNING**

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

**DO NOT CARRY YOUR RIFLE WITH A CARTRIDGE IN THE CHAMBER TO AVOID ACCIDENTAL DISCHARGE. WHEN FIRING IS NO LONGER IMMINENT, MAKE SURE THE “SAFETY” IS IN THE ON SAFE POSITION AND UNLOAD THE CHAMBER. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

The A-Bolt utilizes a unique detachable box magazine with a hinged floorplate. There are two methods used to load a cartridge into the chamber of the A-Bolt rifle: Loading through the ejection port and loading from the magazine.

#### **LOADING THE CHAMBER FROM THE MAGAZINE**

- 1 Close the bolt and place the “safety” in the on safe position.
- 2 Load the magazine in one of the methods explained previously.
- 3 Swing the floorplate and loaded magazine upwards until it is retained by the magazine catch.
- 4 Move the “safety” to the off safe position.
- 5 Load the chamber by lifting the bolt handle completely up, drawing the bolt completely rearward, then pushing the bolt forward and rotating the bolt handle down.

#### **⚠WARNING**

**THE RIFLE IS NOW READY TO FIRE BY SIMPLY MOVING THE “SAFETY” TO THE OFF SAFE POSITION AND PULLING THE TRIGGER.**

- 6 Immediately place the “safety” in the on safe position.

#### **LOADING THE RIFLE TO FULL CAPACITY**

- 1 Close the bolt and place the “safety” in the on safe position.
- 2 Load the magazine as explained previously.
- 3 Swing the floorplate and loaded magazine upwards until it is retained by the magazine catch.
- 4 Move the “safety” to the off safe position.

- 5 Load the chamber by lifting the bolt handle completely up, drawing the bolt completely rearward, then pushing the bolt forward and rotating the bolt handle down.

**▲WARNING**

**THE RIFLE IS NOW READY TO FIRE BY SIMPLY MOVING THE “SAFETY” TO THE OFF SAFE POSITION AND PULLING THE TRIGGER.**

- 6 Immediately place the “safety” in the on safe position.
- 7 Press the magazine latch in front of the trigger guard and allow the hinged floorplate-magazine unit to swing downward.
- 8 Load a single cartridge into the magazine as explained previously.
- 9 Swing the floorplate and loaded magazine upwards until it is retained by the magazine catch.

**SINGLE SHOT LOADING FROM THE MAGAZINE**

If you wish to use your A-Bolt as a single-shot rifle, it is recommended that you use the following single-shot loading procedures.

- 1 Close the bolt and place the “safety” in the on safe position.
- 2 Press the magazine latch in front of the trigger guard and allow the hinged floorplate-magazine unit to swing downward.
- 3 Load a single cartridge into the magazine.
- 4 Swing the floorplate and loaded magazine upwards until it is retained by the magazine catch.
- 5 When ready to shoot, cycle the bolt fully to load the single cartridge from the magazine into the chamber.

**▲WARNING**

**THE RIFLE IS NOW READY TO FIRE BY SIMPLY MOVING THE “SAFETY” TO THE OFF SAFE POSITION AND PULLING THE TRIGGER.**

- 6 Immediately place the “safety” in the on safe position.

**SINGLE SHOT LOADING DIRECTLY TO THE CHAMBER**

You may also load your rifle by placing a cartridge directly into the chamber. To load the rifle in this manner, use the following procedures.

- 1 Insert an unloaded magazine into the rifle.
- 2 Pull the bolt rearward and inspect the chamber to make sure it is empty.
- 3 Insert a single cartridge through the ejection port and place it on top of the magazine.
- 4 When ready to shoot, push the bolt completely forward and rotate the bolt handle down to load the single cartridge into the chamber.

**▲WARNING**

**THE RIFLE IS NOW READY TO FIRE BY SIMPLY MOVING THE “SAFETY” TO THE OFF SAFE POSITION AND PULLING THE TRIGGER.**

- 5 Immediately place the “safety” in the on safe position.

**FIRING**

**STANDARD TRIGGER MODELS**

**▲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.**

- 1 Load a cartridge into the chamber (as explained previously) by loading a cartridge from the magazine or directly to the chamber.
- 2 Immediately verify that the “safety” is in the on safe position.
- 3 With a cartridge in the chamber, you need only move the “safety” to the off safe position to make the rifle ready for firing.
- 4 When ready to fire, move the “safety” into the off safe position, take aim and squeeze the trigger.

- 5 After a cartridge is fired, cycle the bolt rearward to eject the empty case. If you wish to continue shooting, push the bolt fully forward. This picks up a loaded cartridge from the magazine and chambers it. You may continue to load and fire the rifle in this manner until the magazine is empty.
- 6 If you are done shooting, leave the bolt to the rear, with the breech in the open position so that you may visually inspect the chamber, bore and magazine to be sure they contain no cartridges.

**▲WARNING**

**AFTER FIRING, 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.**

**EVEN WITH THE BOLT OPEN AFTER SHOOTING, DO NOT ASSUME THE RIFLE IS UNLOADED. ALWAYS INSPECT THE CHAMBER, BARREL, FEED MECHANISM AND MAGAZINE TO BE CERTAIN THE RIFLE IS COMPLETELY UNLOADED. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

**SET TRIGGER MODELS — FIRING IN SET MODE**

**▲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.**

- 1 Load a cartridge into the chamber (as explained previously) by loading a cartridge from the magazine or directly to the chamber.
- 2 Immediately verify that the “safety” is in the on safe position.
- 3 If you wish to fire the rifle in the set mode, push the trigger fully forward until it locks in position.

- 4 With a cartridge in the chamber, you need only move the “safety” to the off safe position to make the rifle ready for firing.
- 5 When ready to fire, move the “safety” into the off safe position, take aim and squeeze the trigger. Remember that the trigger in set mode has a very light pull.
- 6 After a cartridge is fired, cycle the bolt rearward to eject the empty case. If you wish to continue shooting, push the bolt fully forward. This picks up a loaded cartridge from the magazine and chambers it. You may continue to load and fire the rifle in this manner until the magazine is empty.

If you are done shooting, leave the bolt to the rear, with the breech in the open position so that you may visually inspect the chamber, bore and magazine to be sure they contain no cartridges.

**▲WARNING**

**AFTER FIRING, 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.**

**EVEN WITH THE BOLT OPEN AFTER SHOOTING, DO NOT ASSUME THE RIFLE IS UNLOADED. ALWAYS INSPECT THE CHAMBER, BARREL, FEED MECHANISM AND MAGAZINE TO BE CERTAIN THE RIFLE IS COMPLETELY UNLOADED. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

**SET TRIGGER MODELS — FIRING IN UN-SET MODE**

**▲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.**

- 1 If you wish to fire the rifle in the un-set mode, carefully move the trigger to the rearward position.
- 2 Load a cartridge into the chamber (as explained previously) by loading a cartridge from the magazine or directly to the chamber.
- 3 Immediately verify that the “safety” is in the on safe position.
- 4 With a cartridge in the chamber, you need only move the “safety” to the off safe position to make the rifle ready for firing.
- 5 When ready to fire, move the “safety” into the off safe position, take aim and squeeze the trigger.

IMPORTANT: Remember that the trigger pull weight when firing in the un-set mode is higher than a rifle with a standard (non-set) trigger.

- 6 After a cartridge is fired, cycle the bolt rearward to eject the empty case. If you wish to continue shooting, push the bolt fully forward. This picks up a loaded cartridge from the magazine and chambers it. You may continue to load and fire the rifle in this manner until the magazine is empty.

If you are done shooting, leave the bolt to the rear, with the breech in the open position so that you may visually inspect the chamber, bore and magazine to be sure they contain no cartridges.

### **▲WARNING**

**AFTER FIRING, 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.**

**EVEN WITH THE BOLT OPEN AFTER SHOOTING, DO NOT ASSUME THE RIFLE IS UNLOADED. ALWAYS INSPECT THE CHAMBER, BARREL, FEED MECHANISM AND MAGAZINE TO BE CERTAIN THE RIFLE IS COMPLETELY UNLOADED. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

## **UNLOADING**

### **▲WARNING**

**WHEN UNLOADING YOUR RIFLE ALWAYS PLACE THE “SAFETY” IN THE ON SAFE POSITION. 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.**

**ALWAYS INSPECT THE CHAMBER, BARREL AND MAGAZINE CAREFULLY AFTER UNLOADING TO BE SURE ALL LIVE CARTRIDGES ARE CLEARED FROM THE FIREARM.**

### **UNLOADING THE RIFLE**

- 1 Open the bolt and eject any cartridge in the chamber. Leave the bolt in the rearward position with the action open.
- 2 Look into the chamber to verify that it is unloaded.
- 3 Press the magazine latch in front of the trigger guard and allow the hinged floorplate-magazine unit to swing downward.
- 4 Remove the magazine as explained previously.
- 5 With the chamber empty and the magazine removed, close the bolt.
- 6 Strip the cartridges from the magazine as explained below.
- 7 Replace the magazine on the floorplate and swing the floorplate and empty magazine upwards until it is retained by the magazine catch.

### **UNLOADING THE MAGAZINE**

- 1 Remove the magazine as explained previously.
- 2 Strip the cartridges from the magazine by pushing forward on the rim of the top cartridge and slide each cartridge out of the magazine, one at a time.
- 3 Unload any extra magazines.

## MOUNTING A SCOPE

### **⚠WARNING**

**BEFORE MOUNTING A SCOPE, SIGHT OR OTHER ACCESSORIES TO YOUR RIFLE, PLACE THE "SAFETY" IN THE ON SAFE POSITION. OPEN THE ACTION AND MAKE CERTAIN YOUR RIFLE IS COMPLETELY UNLOADED. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.**

The top of the A-Bolt receiver is drilled and tapped for scope bases. From the factory, the scope base holes are fitted with filler screws.

### **NOTICE**

**ALWAYS USE THE CORRECT BASES FOR THIS RIFLE AND THE APPROPRIATE LENGTH SCREWS.**

- 1 Place your rifle in a gun vise or on a table or other safe/secure location with the top of the receiver upward. Protect the finish with rags or other padding.
- 2 Remove the bolt as instructed on page 14.
- 3 You should have compatible one- or two-piece style bases and four screws of the correct length.
- 4 Clean all oil, grease or dirt from the receiver top and from the scope base parts.
- 5 Remove all four filler screws from the top of the receiver using a very small, thin-bladed gunsmithing-type screwdriver.
- 6 Pre-position the bases on the receiver top to determine the best orientation of the bases.
- 7 Insert the screws through the bases and screw them into the receiver top using the correct tool.

You must use screws of the appropriate length to ensure proper thread engagement. Once the bases are installed, check inside the

receiver to verify that the base mounting screws are not too long and interfering with the operation of the bolt.

Many gunsmiths find it helpful to use a drop of serviceable thread locking compound to assure the screws stay tight. Make sure the thread locking compound does not get into the action.

Be careful to assure that the threads of each screw engage properly in the receiver threads to prevent stripping the threads in the receiver.

- 8 Tighten the screws snugly, but do not overtighten.
- 9 Mount your scope rings and scope as outlined in the instructions supplied with your scope rings and/or scope. Always make sure you have the proper eye relief.

## TRIGGER ADJUSTMENT

### **⚠WARNING**

**BEFORE ADJUSTING THE TRIGGER, ALWAYS PLACE THE "SAFETY" IN THE ON SAFE POSITION. 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.**

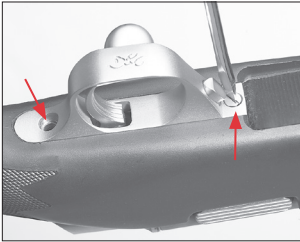
**ALWAYS INSPECT THE CHAMBER, BARREL AND MAGAZINE CAREFULLY AFTER UNLOADING TO BE SURE ALL LIVE CARTRIDGES ARE CLEARED FROM THE FIREARM.**

### **STANDARD A-BOLT MODELS**

The A-Bolt's trigger is pre-set at the factory. The trigger pull weight can be adjusted within a range of approximately 3 to 6.5 pounds. Though additional trigger adjustments should be unnecessary, the trigger pull weight can be tuned to your specifications by performing the following procedures:

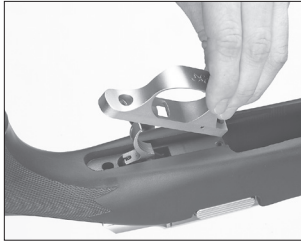
- 1 Press the magazine latch in front of the trigger guard and allow the hinged floorplate-magazine unit to swing downward.

FIGURE 11



Lower the floorplate and remove the trigger guard screws.

FIGURE 12

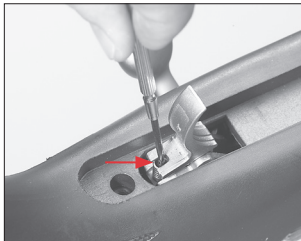


Lift the trigger guard out of the stock.

- 2 Remove the magazine from the rifle.
- 3 Open the bolt and verify the rifle is unloaded.
- 4 Remove the two screws that retain the trigger guard with a standard screwdriver (Figure 11). Lift the trigger guard out of the stock (Figure 12).
- 5 The trigger pull adjustment screw is located just behind the trigger (Figure 13). Use a small standard screwdriver to perform the adjustment.
  - To increase the weight of the trigger pull, turn the adjustment screw in a counterclockwise direction.
  - To decrease the weight of the trigger pull, turn the adjustment screw in a clockwise direction.

**IMPORTANT:** If trigger pull is increased too much, the trigger cannot be pulled. Turn

FIGURE 13



Adjust the trigger pull using a small standard screwdriver.

the screw clockwise until the trigger can be pulled.

- 6 Trigger pull can be measured, with the rifle unloaded and the bolt closed, using a very accurate spring scale or trigger pull measuring weights. Most gunsmiths can also measure trigger pull for you.
- 7 When finished making the adjustment, replace the trigger guard back in the stock and reinstall the trigger guard screws snugly.

#### A-BOLT TARGET MODELS

A-Bolt Target models feature a single-set trigger designed to deliver an excellent feel for top accuracy. The set mode of the trigger is pre-adjusted to approximately 9-14 ounces (250-400) grams and cannot be adjusted.

#### **NOTICE**

**RIFLES WITH BARRELS MARKED "WITH ORIGINAL SET TRIGGER" OR "TARGET MODEL" ARE BOTH TARGET MODELS AND FEATURE A SET TRIGGER.**

The rifle can also be fired in standard mode by simply not placing the trigger in the set position and pulling the trigger. The trigger pull weight in standard mode can be adjusted between 4-6 lbs. Though additional trigger adjustments should be unnecessary, the standard mode trigger pull weight can be tuned to your specifications by performing the following procedures:

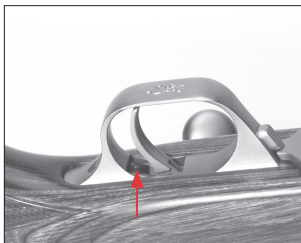
- 1 Press the magazine latch in front of the trigger guard and allow the hinged floorplate-magazine unit to swing downward.
- 2 Remove the magazine from the rifle.
- 3 Open the bolt and verify the rifle is unloaded.
- 4 Remove the two screws that retain the trigger guard with a standard screwdriver as explained previously (Figure 11, page 28).
- 5 Lift the trigger guard out of the stock (Figure 12, page 28).



6 The trigger pull adjustment screw is located just behind the trigger (Figure 14). Use a small standard screwdriver to perform the adjustment.

- To increase the weight of the trigger pull, turn the adjustment screw in a clockwise direction.
- To decrease the weight of the trigger pull, turn the adjustment screw in a counterclockwise direction.

FIGURE 14



The location of the trigger pull adjustment screw on the A-Bolt Target.

### NOTICE

WHEN THE TRIGGER REACHES ITS MINIMUM PULL WEIGHT THE SCREW WILL STOP TURNING. DO NOT CONTINUE TO TURN THE SCREW OR YOU WILL DAMAGE THE TRIGGER MECHANISM

- 7 Trigger pull can be measured, with the rifle unloaded and the bolt closed, using a very accurate spring scale or a commercially available set of trigger pull measuring weights. Most gunsmiths can also measure trigger pull for you.
- 8 When finished making the adjustment, replace the trigger guard back in the stock and reinstall the trigger guard screws snugly.

## ADJUSTABLE COMB SYSTEM

### WARNING

BEFORE PERFORMING COMB ADJUSTMENT PROCEDURES OPEN THE ACTION AND MAKE CERTAIN YOUR RIFLE IS COMPLETELY UNLOADED. KEEP THE MUZZLE POINTED IN A SAFE DIRECTION. FAILURE TO FOLLOW THESE WARNINGS COULD RESULT IN SERIOUS INJURY OR DEATH.

The buttstock of A-Bolt Target rifles features a comb that can be adjusted for both cast and drop. These adjustments allow you to

achieve a perfect fit of the stock against your face, and determines how correctly and consistently your eye aligns with the scope.

With the gun shouldered, cast off means moving the comb to the right of the centerline of the gun to give a fit advantage for a right-handed shooter. Cast on refers to moving the comb to the left of the centerline, giving a fit advantage for a left-handed shooter. A rifle correctly adjusted for cast will have you looking directly into the scope.

The drop measurement is determined by measuring the distance between the plane formed by the top of the receiver and the top of the comb itself. The higher the comb, the less drop there will be.

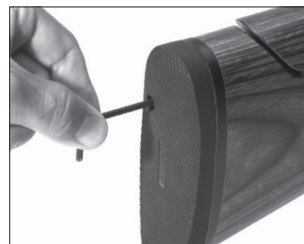
Cast and drop adjustments are a matter of trial and error. Adjust a little at a time until you obtain the desired sight picture in the scope. Right-handed shooters may desire some cast off, with left-handed shooters preferring some cast on. The terminology is the same for right- or left-handed shooters. The net effect is to move the comb to allow the face to move farther over the stock for better eye-to-scope alignment.

### ADJUSTING CAST ON AND CAST OFF

The adjustable comb features a total adjustment range of  $\frac{1}{4}$ " for cast on and cast off adjustment. Adjustment increments are approximately  $\frac{1}{16}$ ". Cast on and cast off angle adjustments of a maximum of  $\frac{1}{8}$ " are also possible.

- 1 Insert the provided  $\frac{7}{64}$ " Allen wrench through the hole found on the upper left of the recoil pad and into the Allen screw located within the recoil pad (Figure 15). Once the Allen wrench is engaged with the Allen screw, turn the wrench counterclockwise three full turns to loosen the Allen screw.

FIGURE 15



Insert a  $\frac{7}{64}$ " Allen wrench through the hole in the recoil pad.

- 2 With the Allen screw loose, adjust the comb to the desired position by sliding each post equally in the desired direction (Figure 16). Each adjustment increment represents approximately  $\frac{1}{16}$ ".

FIGURE 16



With the Allen screw loose, adjust comb to the desired position by sliding each post in the desired direction.

- Move the posts to the right for more cast off.
- Move the posts to the left for more cast on.

- 3 If drop at comb has been set to your desired height, tighten the Allen screw in the recoil pad. The screw needs to be firmly tightened, but be careful not to overtighten. If drop has not been set, leave the Allen screw loose and proceed to "Adjusting Drop at Comb."

#### ADJUSTING DROP AT COMB

The adjustable comb features a height adjustment range of 11 increments, at  $\frac{1}{16}$ " per increment, resulting in approximately  $\frac{5}{8}$ " of total height adjustment.

#### **▲WARNING**

**DO NOT GO BEYOND THE RANGE OF ADJUSTMENT INCREMENTS. SHOULD THIS OCCUR, THE COMB WILL NOT BE PROPERLY SECURED TO THE RIFLE AND COULD RESULT IN INJURY OR DAMAGE TO THE FIREARM.**

- 1 Insert the provided  $\frac{3}{4}$ " Allen wrench through the hole found on the upper left of the recoil pad and into the Allen screw located within the recoil pad (Figure 15, page 31). Once the Allen wrench is engaged with the Allen screw, turn the wrench counterclockwise three full turns to loosen the Allen screw.
- 2 With the Allen screw loose, adjust the comb to desired position (Figure 17, page 33) by raising or lowering each post equally in the

desired direction. Each increment represents  $\frac{1}{16}$ " of movement.

- To decrease drop at comb, slide each post up equally. Sliding the posts equally will reduce the chance of the posts binding.
- To increase drop at comb, slide each post down equally. Sliding the posts equally will reduce the chance of the posts binding.

- 3 Once your desired drop at comb is obtained, tighten the Allen screw in the recoil pad. The screw needs to be firmly tightened, but be careful not to overtighten.

FIGURE 17



With the Allen screw loose, adjust comb to desired position by sliding each post up or down in the desired direction.

## CLEANING AND MAINTENANCE SUGGESTIONS

### **NOTICE**

**PLEASE TAKE NOTE OF THE FOLLOWING INFORMATION BEFORE CLEANING YOUR FIREARM.**

#### CLEANING PARTS WITH SPECIAL FINISHES

Be especially careful when cleaning guns with camouflage, Dura-Touch® Armor Coating and other special finishes. Always prevent these surfaces from coming in contact with cleaning solvents, barrel scrubbers and other strong chemicals. It is preferable to clean these surfaces with a light gun oil containing no solvents, or with a damp cloth and mild dish soap (be sure to keep water out of the action). When cleaning your firearm's bore and action, protect the external finishes from any contact with chemicals used. Also, avoid any contact between external finishes and other strong chemicals like those found in DEET-containing insect repellents, sunscreens, etc. Damage to

camouflage, Dura-Touch and other finishes caused by chemicals is irreversible and not repairable.

**▲WARNING**

**BEFORE PERFORMING CLEANING PROCEDURES, PLACE THE “SAFETY” IN THE ON SAFE POSITION. OPEN THE ACTION AND MAKE CERTAIN YOUR RIFLE IS COMPLETELY UNLOADED. 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 A-Bolt rifle will function better and more reliably over a longer period of time if it is properly maintained and kept clean. Clean your firearm after every day of shooting, and more often if it becomes excessively dirty. A minimum cleaning includes wiping down the firearm and oiling key parts. Regular maintenance will also include cleaning the barrel.

If you encounter a function problem be sure to give your firearm a thorough cleaning 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.

- 1 Remove the bolt as explained previously.
- 2 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.

Use a cleaning rod with a tip and patch large enough for a snug fit in the bore. Insert the rod and patch into the barrel at the breech end and run it back and forth several times. Care should be exercised to ensure that the cleaning rod does not strike the crown of the muzzle, as damage to this area can affect the accuracy of your rifle. If, or when, fouling should become heavy, it can be removed with a bronze 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.

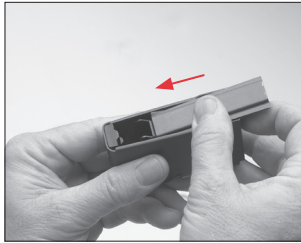
Browning offers a complete line of products to make cleaning your firearm fast and easy. Be sure to follow all instructions when using any product to clean your firearm.

To maintain the utmost accuracy of your rifle it is recommended you clean the bore with a copper solvent. Modern bullet jackets are made mainly of copper. Residues from copper bullet jackets stick to the barrel and require more frequent cleaning. Magnum calibers will require more frequent inspection and cleaning. Swab the bore of your rifle with a good copper solvent using the manufacturer's recommended procedure.

- 3 After all fouling has been removed, the chamber and bore should be wiped dry. When the bore is dry, pass a lightly oiled patch through it for preservation. A fine, light gun oil is recommended.
- 4 Inspect the barrel and chamber to be certain no patches have inadvertently been left in them. Remove any that remain.

- 5 Use a small brush or rag to remove dirt or other foreign matter from inside the receiver and other parts of the action. Lightly lubricate all moving parts with a high-quality, light gun oil. Use oil sparingly, a very light film is sufficient. A fine, light gun oil is ideally suited for this purpose.

FIGURE 18



Slide the bottom plate back into position.

**NOTICE! DO NOT POUR LARGE QUANTITIES OF OIL INTO THE RECEIVER OR OTHER PARTS. IT CAN DRAIN DOWN TO THE WOOD AND SOFTEN IT, CAUSING PERMANENT DAMAGE AND LOOSENING OF THE STOCK.**

- 6 Wipe all exposed metal surfaces with a lightly oiled cloth making certain that all finger marks are removed. Finger marks provide a place where moisture can accumulate. The metal of the gun should receive a light film of oil any time the rifle has been exposed to weather or handling.
- 7 Wood surfaces can also be wiped with a quality, lightweight gun oil or they can be polished with any quality furniture wax (but not both).

#### **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 Remove the magazine from the rifle as explained previously.
- 2 Slide the magazine bottom plate out to the rear.
- 3 The magazine spring and follower can then be easily removed for inspection.

- 4 Wipe off any dirt or residue, then apply a very thin coat of oil and wipe clean again. Too much oil will only serve to collect fouling and dirt.
- 5 To reassemble, reinsert the spring and follower, then slide the bottom plate back into position (Figure 18, page 37).

#### **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 OR REPAIR" ON PAGE 39.**

## MAINTENANCE OF OIL FINISH STOCKS

Keeping the oil-finished wood surfaces on your firearm looking their best requires only a small amount of maintenance. When the surfaces become spotted or dull, the affected area(s) can be treated using rubbing alcohol on a soft, lint free cloth and allowed to dry. A small amount of a linseed oil-based finish, such as Watco® Danish Oil Finish, Dett® Danish Oil Finish, or Formby's® Tung Oil Finish should then be applied to the surface of the wood with a soft, lint free cloth according to the manufacturers' instructions. To treat the checkering, a small amount of oil-based finish can be applied and then distributed evenly using a toothbrush or other soft bristled brush.

## MODELS WITH SPECIAL FINISHES

As with any gun, the only way to preserve its pristine condition and collector appeal is to never handle or fire it, which in turn would deprive you of much of the enjoyment that comes with owning a fine Browning firearm.

While special finishes such as engraving and gold plating greatly enhance the aesthetic appeal of your rifle, please be aware that they are no more durable, and in some cases may even be slightly less durable than more common gun finishes.

As you use your Browning rifle, you can expect special finishes to wear in much the same manner as any other firearm finish. These marks are the honest product of the hours spent enjoying your firearm and each scuff and scratch will probably have a good story to go along with it.

## 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:	Canadian customers contact:
Browning Firearm Status and Technical Service	Browning Canada Sports Ltd/Ltée
3005 Arnold Tenbrook Rd	5583 Chemin St-François
Arnold, MO 63010-9406	St-Laurent, Quebec H4S 1W6
Phone: (800) 322-4626	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.

## NOTES

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**BROWNING**

[BROWNING.COM](http://BROWNING.COM)

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

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

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

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