Safe ownership is your responsibility. Please thoroughly read and understand this manual before loading your firearm.

Keep firearms and ammunition away from children. Lock unloaded firearms and ammunition securely in separate locations.

INSTRUCTION MANUAL

BOLT ACTION CENTERFIRE:
RIFLES
SHOTGUNS
VARMINTERS
HUNTING HANDGUNS

IMPORTANT! DO NOT ATTEMPT TO LOAD AND SHOOT YOUR RIFLE UNTIL YOU HAVE THOROUGHLY READ THIS INSTRUCTION MANUAL AND ARE FULLY FAMILIAR WITH ITS CONTENTS

100 Springdale Road
Westfield, MA 01085
www.savagearms.com
Congratulations on joining the Savage Arms family of sporting firearms owners. With reasonable care, your firearm should deliver years of reliable service and perform to our "legend of accuracy".

For your convenience, this INSTRUCTION MANUAL has been divided into 9 sections:

SECTION 1: Ten Commandments of Shooting Safety
SECTION 2: Basic Functions
SECTION 3: Bolt Action Rifles (Parts List and Diagram)
SECTION 4: Bolt Action Shotguns (Parts List and Diagram)
SECTION 5: Varminters (Parts List and Diagram)
SECTION 6: Hunting Handguns (Parts List and Diagram)
SECTION 7: Ammunition - Bullet Weights / Magazine Capacities
SECTION 8: Rings And Bases For Mounting A Scope
SECTION 9: Statement Of Limited Warranty

SECTION 1

10 COMMANDMENTS OF SHOOTING SAFETY

(The following excerpts are from SAAMI bulletin #081/1MM 7/97 BP. The entire booklet can be obtained by calling: NATIONAL SHOOTING SPORTS FOUNDATION, 11 MILE HILL ROAD, NEWINGTON, CT 06470; 203-426-4358)

Firearms Safety Depends On You

From the time you pick up a firearm, you become part of a system over which you have complete control.

You are the only part of the system that can make a gun safe - or unsafe.

You can help meet this responsibility by enrolling in hunter safety or射手 safety courses, if you have not already done so. You must constantly stress safety when handling firearms, especially to children and non-shooters. Develop safe shooting habits and remember firearms safety is up to you. Make no mistake about it.

ALCOHOL, DRUGS AND GUNS DON'T MIX

1. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION

This is the most basic safety rule. If everyone handled a firearm so carefully that the muzzle never pointed at something they didn't intend to shoot, there would be virtually no firearm accidents. It's as simple as that, and it's up to you.

Never point your gun at anything you do not intend to shoot. A safe direction means a direction in which a bullet cannot possibly strike anyone, taking into account possible ricochets and the fact that bullets can penetrate walls and ceilings. Even when "dry firing" with an unloaded gun, you should never point the gun at an unintended target.

This is your responsibility, and only you can control it.

2. FIREARMS SHOULD BE UNLOADED WHEN NOT ACTUALLY IN USE

Firearms should be loaded only when you are in the field or on the target range or shooting area, ready to shoot. When not in use, firearms and ammunition should be secured in a safe place, separate from each other. It is your responsibility to prevent children and inexperienced adults from gaining access to firearms or ammunition. A loaded gun has no place in or near a vehicle or building.

Whenever you handle a firearm or hand it to someone, always open the slide immediately, and visually check the chamber, receiver and magazine to be certain they do not contain any ammunition. Never assume a gun is unloaded - check for yourself! While in the field, there will be times when common sense and the basic rules of firearms safety will require you to unload your gun for maximum safety. When in doubt, unload your gun!

3. DON'T RELY ON YOUR GUN'S "SAFETY"

Treat every gun as though it can fire at any time, regardless of pressure on the trigger. The "safety" on any gun is a mechanical device, which, like any such device, can become inoperable at the worst possible time. The safety serves as a supplement to proper gun handling but cannot possibly serve as a substitute for common sense.

Never touch the trigger on a firearm until you actually intend to shoot.

Your firearm is a precision instrument. Regardless of the position of the safety, any bump strong enough to actuate the firing mechanism of a gun can cause it to fire. The only time you can be absolutely certain that a gun cannot fire is when the action is open and it is completely empty. You and the safe gun handling procedures you have learned are your gun's primary safety features.
4. BE SURE OF YOUR TARGET AND WHAT'S BEYOND IT

No one can call a bullet back. Don't shoot unless you know exactly what your bullet is going to strike. Be sure that your bullet will not injure anyone or anything beyond your target. You should keep in mind how far a bullet will travel if it misses your intended target or ricochets in another direction.

Be aware that even a .22 short bullet can travel over 1 1/4 miles and a high velocity cartridge, such as a 30-06, can project a bullet more than 3 miles. Shotgun pellets can travel 500 yards, and shotgun slugs have a range of over a half-mile.

5. USE CORRECT AMMUNITION

You must assume the serious responsibility of using only the correct ammunition for your firearm. Read and heed all warnings, including those that appear in the gun's instruction manual and on the ammunition boxes. Using improper or incorrect ammunition can destroy a gun and cause serious personal injury. It only takes one cartridge of improper caliber or gauge to wreck your gun, and only a second to check each one as you load it. Be absolutely certain that the ammunition you are using matches the specifications that are contained within the gun's instruction manual and the manufacturer's markings on the firearm barrel.

Hand loaded or reloaded ammunition deviating from pressures generated by factory loads or from competent recommendations specified in reputable hand loading manuals can be dangerous, and can cause severe damage to guns and serious injury to the shooter.

6. IF YOUR GUN FAILS TO FIRE WHEN THE TRIGGER IS PULLED, HANDLE WITH CARE!

Occasionally, a gun may not fire when the trigger is pulled. If this occurs, keep the muzzle pointed in a safe direction. Keep your face away from the breech. Then, carefully open the action, unload the firearm and dispose of the cartridge in a safe way.

Any time there is a cartridge in the chamber, your gun is loaded and ready to fire—even if you’ve tried to shoot and it did not go off. It could go off at any time, so you must always remember RULE #1 and WATCH THAT MUZZLE!

7. ALWAYS WEAR EYE AND EAR PROTECTION WHEN SHOOTING

All shooters should wear protective shooting glasses and some form of hearing protectors while shooting. Exposure to shooting noise can damage your hearing, and adequate vision protection is essential. Wearing eye protection when disassembling and cleaning any gun will also help prevent the possibility of springs, spring tensioned parts, solvents or other agents from contacting your eyes. No target shooter, plinker or hunter should ever be without them.

8. BE SURE THE BARREL IS CLEAR OF OBSTRUCTIONS BEFORE SHOOTING

Before you load your firearm, open the action and be certain that there is no cartridge in the chamber. Then glance through the barrel to be sure it is clear of any obstruction. Even a small bit of mud, snow, excess lubrication oil or grease in the bore can cause dangerously increased pressure, causing the barrel to bulge or even burst when firing, which can cause injury to the shooter and bystanders. Make it a habit to clean the bore with a cleaning rod and patch to wipe away anti-rust compounds in the gun each time immediately before you shoot it. If the noise or recoil on firing seems weak or doesn’t seem quite right, cease firing immediately and be sure to check that no obstruction or projectile has become lodged in the barrel.

9. DON'T ALTER OR MODIFY YOUR GUN, AND HAVE GUNS SERVICED REGULARLY

Firearms are complicated mechanisms, which are designed by experts to function properly in their original condition. Any alteration or change made to a firearm can affect its performance and render it unsafe. Have your firearms serviced regularly to maintain their safety and effectiveness.
after manufacture can make the gun dangerous and will usually void any factory warranties. Do not jeopardize your safety or the safety of others by altering the trigger, safety or other mechanism of any firearm or allowing unqualified person’s to repair or modify a gun.

Your gun is a mechanical device, which will not last forever and is subject to wear. As such, it requires periodic inspection, adjustment and service.

10. LEARN THE MECHANISM AND HANDLING CHARACTERISTICS OF THE FIREARM YOU ARE USING

Not all firearms are the same. Consequently, never handle any firearm without first having thoroughly familiarized yourself with the particular type of firearm you are using, the safe gun handling rules for loading, unloading, carrying and handling that firearm, and the rules of safe gun handling in general. Locate the firearm’s mechanical safety device and get familiar with the feel and “on/off” positions.

You should always read and refer to the instruction manual you received with your gun, or if you have misplaced the manual, simply contact the manufacturer for a free copy.

Having a gun in your possession is a full-time job. You cannot guess; you cannot forget. You must know how to use, handle and store your firearm safely. Do not use any firearm without having a complete understanding of its particular characteristics and safe use. There is no such thing as a foolproof gun.

SECTION 2

BASIC FUNCTIONS

PRIOR TO LOADING OR OPERATING, FAMILIARIZE YOURSELF THOROUGHLY WITH THESE OPERATING INSTRUCTIONS AND THE MAIN PARTS OF YOUR FIREARM.

FAILURE TO OBEY A SAFETY WARNING MAY RESULT IN INJURY TO YOU OR OTHERS.

KNOW HOW TO LOCATE AND OPERATE THE SAFETY MECHANISM.

SAFETY

The safety on your Savage Arms bolt action firearm has 3 positions:

1. FULL SAFE - Pull safety button towards shooter (trigger blocked – bolt can not be opened).
2. MID POSITION (trigger blocked – bolt can be opened).
3. SAFETY OFF [READY TO FIRE] - Push safety button away from shooter.

FULL SAFE

A) The safety is in the FULL SAFE position when it has been moved fully rearward, covering the red “F” (See FIGURE 1).

B) The safety should be moved into the FULL SAFE position when the bolt has been closed and the firearm is ready to fire.

C) In the FULL SAFE position, the trigger is blocked from moving and the bolt on rifles and HUNTING HANDGUNS cannot be opened. On SHOTGUNS, however, the bolt can be opened in FULL SAFE.

FIGURE 1

CAUTION

WHEN CARRYING A LOADED FIREARM, THE SAFETY MUST ALWAYS BE IN THE FULL SAFE POSITION.

THE ONLY TIME YOU CAN BE ABSOLUTELY CERTAIN THAT A GUN CANNOT FIRE IS WHEN THE ACTION IS OPEN AND IT IS COMPLETELY EMPTY OF AMMUNITION.

MID POSITION

A) MID POSITION allows the bolt to be opened and cycled while still blocking the trigger.
B) The safety will move to the MID POSITION when the following sequence is performed (except SHOTGUNS):
- Lift the bolt handle
- Move the safety to the FULL SAFE position
- Push the bolt handle downward

SAFETY OFF [READY TO FIRE]
A) The safety is in the OFF position when moved fully forward, exposing the red “F”.

CAUTION
NEVER TRANSPORT/CARRY A LOADED FIREARM WITH THE SAFETY OFF.

SAVAGE BOLTLOC™ SYSTEM

THIS SECTION ONLY APPLIES TO FIREARMS EQUIPPED WITH THE SAVAGE ARMS BOLTLOC™ SYSTEM.

The SAVAGE BOLTLOC™ system was designed to deter a minor or unauthorized persons from opening the action of the firearm. When used as instructed (see FIGURE 2), the bolt handle will be restricted from opening, preventing the firearm from being loaded or fired.

THE SAVAGE BOLTLOC™ SERVES AS A SUPPLEMENT TO PROPER GUN SAFETY AND STORAGE BUT CANNOT POSSIBLY SERVE AS A SUBSTITUTE FOR COMMON SENSE.

LOADING

FUERARMS SHOULD BE LOADED ONLY WHEN YOU ARE IN THE FIELD, ON THE TARGET RANGE, OR AT A SHOOTING AREA READY TO SHOOT.

ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

USE ONLY THE CORRECT AMMUNITION THAT IS STAMPED ON THE SIDE OF THE BARREL.

THOROUGHLY CLEAN THE INSIDE OF THE BARREL AND CHAMBER TO ASSURE THERE ARE NO POSSIBLE OBSTRUCTIONS PRIOR TO LOADING.

TO ACTIVATE
1. Place the safety in the SAFETY OFF [READY TO FIRE] position and open the bolt.
2. Inspect the chamber, internal magazine (or removable clip) to verify the firearm is UNLOADED.
3. Holding the trigger to the rear, close the bolt.
1. Insert the BOLTLOC™ key into the rear of the bolt assembly (see FIGURE 2).
5. Push BOLTLOC™ key in and turn clockwise 1/4 turn (see FIGURE 2).

TO DEACTIVATE
1. Insert the BOLTLOC™ into the rear of the bolt assembly.
2. Push BOLTLOC™ key in and turn counterclockwise 1/4 turn (see FIGURE 2).

- You will feel the lock disengage rearward
- The firearm can now be functioned
6. As shown in FIGURE 3, load the correct caliber cartridges (see Section 7) into the removable magazine by pressing downward and to the rear.

7. Insert the removable magazine back into the stock opening, pressing upward until the latch is fully engaged.

ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

TO LOAD CHAMBER FROM MAGAZINE

1. Moving the bolt handle forward will push the first cartridge from the magazine into the chamber.

   - When the bolt is fully closed, a live cartridge will be IN THE CHAMBER.
   - Always keep the muzzle pointed in a safe direction.

2. Move the safety fully rearward to the FULL SAFE position, locking the bolt handle.

TO LOAD A SINGLE CARTRIDGE INTO THE CHAMBER

1. With the muzzle pointed in a safe direction, insert a cartridge into the chamber as shown in FIGURE 5.

2. Depress the cartridges in the magazine with one hand, slowly push the bolt forward allowing it to slide over the top of the cartridges in the magazine.

3. Move the safety fully rearward to the FULL SAFE position, locking the bolt handle.
NEVER POINT YOUR GUN AT ANYTHING YOU DO NOT INTEND TO SHOOT.

4. Place your finger in the trigger guard and when you are on target, squeeze the trigger slowly.

NO ONE CAN CALL A BULLET BACK !!!

5. Pull up and fully rearward on the bolt handle to open the bolt to extract the fired case.

ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

6. Moving the bolt handle forward will push the next cartridge from the magazine into the chamber.

7. Move the safety fully rearward to the FULL SAFE position, locking the bolt handle.

UNLOADING YOUR RIFLE

TO FIRE

DO NOT MOVE THE SAFETY FORWARD TO THE SAFETY OFF [READY TO FIRE] POSITION UNTIL YOU ARE READY TO SHOOT.

1. Keep your finger off the trigger and out of the trigger guard until you are ready to shoot.

THE ONLY TIME YOU CAN BE ABSOLUTELY CERTAIN THAT A GUN CANNOT FIRE IS WHEN THE ACTION IS OPEN AND IT IS COMPLETELY EMPTY OF AMMUNITION.

2. Always look carefully around to be sure that no one will cross in front of you when you are ready to shoot.

3. Place the firearm in shooting position and move the safety forward to the SAFETY OFF [READY TO FIRE] position and take aim.

NEVER TOUCH THE TRIGGER ON A FIREARM UNTIL YOU ACTUALLY INTEND TO SHOOT.

5. Placing one hand over the ejection port, slowly pull the bolt handle to the rear to extract the cartridge from the chamber.

6. Remove the cartridge with your fingers.

7. Push the bolt fully forward until it engages the next cartridge behind the extractor (the bolt handle need not be pushed down).

8. Repeat steps 5 through 7 until the magazine is empty.

CAUTION

LOOK AND FEEL! BE SURE THE CHAMBER AND MAGAZINE ARE COMPLETELY EMPTY -- DO NOT ASSUME!

A LOADED GUN HAS NO PLACE IN OR NEAR A VEHICLE OR BUILDING.

UNLOADING YOUR RIFLE

TOP LOADING (THROUGH THE EJECTION PORT)

1. With the muzzle pointed in a safe direction, move the safety forward to the SAFETY OFF [READY TO FIRE] position.

KEEP YOUR FINGERS AWAY FROM THE TRIGGER.

2. Lift the bolt handle but do not pull to the rear.

3. Move the safety fully rearward to the FULL SAFE position, and then push the bolt handle downward.

4. The safety will move to the HALF SAFE position automatically, allowing the action to be cycled while the trigger is still blocked.

UNLOADING YOUR RIFLE

REMOVABLE BOX MAGAZINE (CLIP)

1. With the muzzle pointed in a safe direction, move the safety forward to the SAFETY OFF [READY TO FIRE] position.

KEEP YOUR FINGERS AWAY FROM THE TRIGGER.

2. Lift the bolt handle but do not pull to the rear.

3. Move the safety fully rearward to the full safe position, then push the bolt handle downward.
4. The safety will move to the half safe position automatically, allowing the action to be cycled while the trigger is still blocked.

5. Placing one hand under the removable magazine, press the release button on the side of the stock - ejecting the magazine into your hand.

COMPLETE STEPS 6 AND 7 IN THEIR ENTIRETY!!!!! ALTHOUGH THE MAGAZINE (CLIP) HAS BEEN REMOVED, THERE STILL MAY BE A LIVE CARTRIDGE IN THE CHAMBER!!!

6. Placing one hand over the ejection port, slowly pull the bolt handle to the rear to extract the cartridge from the chamber.

7. Remove the cartridge with your fingers.

CAUTION

LOOK AND FEEL! BE SURE THE CHAMBER IS EMPTY – DO NOT ASSUME!

MUZZLE BRAKES

THIS SECTION ONLY APPLIES TO FIREARMS EQUIPPED WITH THE SAVAGE ARMS ADJUSTABLE MUZZLE BRAKE.

NEVER ADJUST THE MUZZLE BRAKE IF THE FIREARM IS LOADED.

ALWAYS WEAR EAR AND EYE PROTECTION.

WHEN SHOOTING WITH THE MUZZLE BRAKE OPEN, BE SURE THE MUZZLE IS IN A CLEAR AREA; FREE OF DEBRIS AND OTHER SHOOTERS.

TO OPEN (reduce recoil)

BE SURE THE BOLT IS OPEN AND THERE IS NO LIVE AMMUNITION IN EITHER THE CHAMBER OR MAGAZINE.

1. Hold the firearm in your right hand with the muzzle pointed in a safe direction.

2. Grasp the muzzle brake with your left hand and twist it (less than 1/4 turn) counterclockwise (you will hear a distinct “click”).

3. To be sure the BRAKE is open, the holes should be perfectly lined up; allowing you to see through them.

TO CLOSE (full recoil)

BE SURE THE BOLT IS OPEN AND THERE IS NO LIVE AMMUNITION IN EITHER THE CHAMBER OR MAGAZINE.

1. Hold the firearm in your right hand with the muzzle pointed in a safe direction.

2. Grasp the muzzle brake with your left hand and twist it (less than 1/4 turn) clockwise (you will hear a distinct “click”).

3. To be sure the BRAKE is closed, the holes will not be lined up; you will not be able to see through them.

TO CLEAN THE MUZZLE BRAKE

BE SURE THE BOLT IS OPEN AND THERE IS NO LIVE AMMUNITION IN EITHER THE CHAMBER OR MAGAZINE.

1. After each use, position the BRAKE in the closed position.

2. Liberally apply ‘KLEEN BORE TW25B’ (or an equivalent solvent that does not contain oil).

3. Open and close the BRAKE, working the solvent into the mechanism to flush out any residue and prevent carbon build-up.

APPLYING OIL TO THE ADJUSTABLE MUZZLE BRAKE WILL INCREASE CARBON BUILD-UP AND MAY CAUSE THE BRAKE TO MALFUNCTION.

CLEANING AND CARE OF YOUR FIREARM

YOUR GUN IS A MECHANICAL DEVICE THAT WILL NOT LAST FOREVER AND IS SUBJECT TO WEAR.

TO REMOVE THE BOLT

ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

A LOADED GUN HAS NO PLACE IN OR NEAR A VEHICLE OR BUILDING.

1. Lift the bolt handle and pull fully rearward.
2. When the bolt is opened, look and feel to be sure there are no cartridges in either the chamber or magazine.

3. Pull back on the trigger while pressing down on the COCKING INDICATOR.

4. Slide the bolt out of the rear of the receiver.

5. Care should be taken not to hit the stock with the bolt.

---

**CAUTION**

**BOLT ASSEMBLIES ARE SPECIFICALLY MATCHED TO A FIREARM. USING ANY OTHER BOLT ASSEMBLY MAY CAUSE EXTENSIVE DAMAGE TO THE FIREARM AND/OR SERIOUS INJURY TO THE SHOOTER OR BYSTANDER.**

**DISASSEMBLE ONLY ONE FIREARM AT A TIME TO AVOID INTERCHANGING COMPONENTS.**

---

**CLEANING THE BORE**

**LOOK AND FEEL! BE SURE THE CHAMBER AND MAGAZINE ARE COMPLETELY EMPTY -- DO NOT ASSUME!!!**

**NEVER ATTEMPT TO DISASSEMBLE, CLEAN, OR OIL A LOADED FIREARM!**

**BE SURE TO READ AND UNDERSTAND ALL OF THE CAUTIONS AND WARNINGS ON ALL SOLVENTS AND CHEMICALS PRIOR TO USE. FOLLOW THE MANUFACTURER'S INSTRUCTIONS FOR BEST CLEANING RESULTS.**

1. Prepare an area for cleaning the firearm with a suitable surface, adequate ventilation, correct caliber cleaning rod, brush, patches, powder solvent, and oil.

2. Remove the bolt.

3. Lay the firearm horizontally with the ejection port facing down.

ALWAYS STARTING FROM THE CHAMBER END, PUSH THE CLEANING ROD THROUGH THE BORE AND OUT THE MUZZLE END.

4. Using a small amount of powder solvent on the brush, push the cleaning rod through the barrel several times.

5. Unscrew the brush from the cleaning rod and replace it with a patch tip.

6. Push a new patch through the bore starting from the chamber end and out the muzzle.

7. Repeat step 6 several times.

8. Push a new patch saturated with gun oil through the bore.

9. Push a new dry patch through the bore to remove the excess oil.

A VERY THIN FILM OF OIL IS SUFFICIENT PROTECTION -- DO NOT OVER OIL!!!

YOUR GUN IS A MECHANICAL DEVICE THAT WILL NOT LAST FOREVER AND IS SUBJECT TO WEAR. CONTACT SAVAGE ARMS SERVICE DEPARTMENT FOR PERIODIC INSPECTION, ADJUSTMENT AND SERVICE.

---

**PROTECTING METAL SURFACES**

1. In order to be able to reach all surfaces, remove the bolt prior to cleaning and oiling.

2. With a soft cloth, remove any foreign matter (dirt, mud, twigs, grass).

3. Apply a thin coat of gun oil on all cleaned surfaces. Rubbing may be necessary to remove some signs of rust.

4. Where accessible, clean and lightly oil internal metal surfaces.

**DO NOT DISASSEMBLE THE BOLT ASSEMBLY.**
BOLT ACTION RIFLES

PARTS MAY BE ORDERED DIRECTLY FROM SAVAGE ARMS [413-586-7001] BETWEEN THE HOURS OF 9:00 AND 3:30 (EASTERN STANDARD TIME). THERE IS A MINIMUM ORDER AND PLEASE ALLOW 2 WEEKS FOR DELIVERY.

PLEASE BE ADVISED THAT SOME PARTS MAY REQUIRE FITTING. SAVAGE ARMS BEARS NO RESPONSIBILITY FOR THE FUNCTION OR PERFORMANCE OF ANY FIREARM THAT HAS BEEN REPAIRED OR MODIFIED BY OTHER THAN SAVAGE ARMS SERVICE DEPARTMENT. AS SUCH, SAVAGE ARMS ACCEPTS NO RESPONSIBILITY/LIABILITY FOR ANY DIRECT AND/OR CONSEQUENTIAL DAMAGE AND/OR INJURY RESULTING FROM THE USE OF A FIREARM REPAIRED OR MODIFIED BY OTHER THAN THE SAVAGE ARMS SERVICE DEPARTMENT.

* RESTRICTED TO FACTORY INSTALLATION ONLY
** CAN ONLY BE SOLD TO AN INDIVIDUAL POSSESSING A CURRENT FEDERAL FIREARMS LICENSE.

MODEL 110

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<th>Item #</th>
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<td>Safety detent spring</td>
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<td><strong>1C</strong></td>
<td>.40 x 3/16&quot; pan head screw</td>
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<tr>
<td><strong>1D</strong></td>
<td>Safety</td>
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**2**

**2A** Safety retaining ring
**2B** Trigger pull adjusting screw
**2C** Trigger pin
**2D** Safety bearing pin
**2E** Trigger pull adjusting spring
**2F** Trigger bracket

**3**

**3A** 8-32 x 3/8" socket screw
**3B** Trigger
**3C** 8-32 x 1/4" socket screw

**4**

**4A** Sear pin
**4B** Sear spring
**4C** Sear

**5** Magazine box
**6** Magazine follower assy with leaf spring
**7** Magazine follower assy with leaf spring
**8** Rear action screw (Clip)
**9** Front action screw (Clip)
**10** Magazine box assembly (Clip)

**11**

**11A** Firing pin assembly
**11B** Cooking piece
**11C** Cooking piece lock washer
**11D** Main spring
**11E** Firing pin stop nut washer
**11F** Firing pin stop nut
**11G** Firing pin

**12**

**12A** Bolt assembly
**12B** Rear baffle assembly
**12C** Bolt handle
**12D** Cooking piece sleeve
**12E** Bolthead assembly screw
**12F** Bolthead key
**12G** Bolt body
**12H** Bolt head retaining pin
**12I** Front baffle washer
**12J** Front baffle
**12K** Bolt head

**13** Floor plate

**14** Magazine guide assembly

**15** Magazine latch button

**16** Rear sight Kit

**17** Front sight Kit

**18** Stock assembly

**19** Trigger guard Kit

**20** Receiver

**21** 6-48 dummy screw

**22** Safety insert

**23** Recoil lug

**24** Barrel lock nut

**25** Ejector (CRF)

**26** Magazine ejector spring

**27** Barrel
BOLT ACTION SHOTGUNS

PARTS MAY BE ORDERED DIRECTLY FROM SAVAGE ARMS [413-668-7001] BETWEEN THE HOURS OF 9:00 AND 3:30 (EASTERN STANDARD TIME). THERE IS A MINIMUM ORDER AND PLEASE ALLOW 2 WEEKS FOR DELIVERY.

PLEASE BE ADVISED THAT SOME PARTS MAY REQUIRE FITTING. SAVAGE ARMS BEARS NO RESPONSIBILITY FOR THE FUNCTION OR PERFORMANCE OF ANY FIREARM THAT HAS BEEN REPAIRED OR MODIFIED BY OTHER THAN SAVAGE ARMS SERVICE DEPARTMENT. SUCH SAVAGE ARMS ACCEPTS NO RESPONSIBILITY/LIABILITY FOR ANY DIRECT AND/OR CONSEQUENTIAL DAMAGE AND/OR INJURY RESULTING FROM THE USE OF A FIREARM REPAIRED OR MODIFIED BY OTHER THAN THE SAVAGE ARMS SERVICE DEPARTMENT.

FOR PROPER EJECTION OF THE SHELL, SAVAGE RECOMMENDS THE USE OF “HIGH” STEEL RINGS WITH A MINIMUM CLEARANCE OF APPROXIMATELY 1-3/8” SUCH AS:

B-SQUARE
PART NO. 10042 INTERLOCK

WEAVER
PART NO. 490044 XTRA HIGH

INFORMATION IS BASED ON OUR EXPERIENCE AND IS NOT AN ENDORSEMENT OF ANY PRODUCT AND/OR MANUFACTURER.

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<tr>
<td><strong>11C</strong></td>
<td>Cocking piece lock washer</td>
</tr>
<tr>
<td><strong>11D</strong></td>
<td>Mainspring</td>
</tr>
<tr>
<td><strong>11E</strong></td>
<td>Firing pin stop nut washer</td>
</tr>
<tr>
<td><strong>11F</strong></td>
<td>Firing pin stop nut</td>
</tr>
<tr>
<td><strong>11G</strong></td>
<td>Firing pin</td>
</tr>
</tbody>
</table>

**12 | Bolt assembly
**12A | Cocking piece pin
**12B | Rear baffle assembly
**12C | Handle
**12D | Cocking piece sleeve
**12E | Boltloc assembly screw
**12F | Boltloc key
**12G | Bolt body
**12H | Bolt head retaining pin
**12I | Front baffle washer
**12K | Bolt head
**12S | Bolt assembly screw
**12T | Bolt sleeve
**12U | LH extractor
**12V | Extractor spring
**12W | RH extractor
**12X | Ejector retaining pin
**11 | Firing pin Assy

18 | Stock assembly
18A | Swivel stud
18B | Swivel stud (machine screw thread)
18C | 10-32 lock nut
18D | Medallion

19 | Trigger guard Kit
19A | Trigger guard
19B | Rear trigger guard screw
19C | Rear action screw
19D | Front action screw

**20 | Receiver
20A | 6-48 dummy screw
20B | Safety insert
20C | One piece scope base
20D | Scope base screw
22 | Barrel lock nut
23 | Ejector (458)
24 | Ejector pin
25 | Barrel
SECTION 5

VARMINTER

PARTS MAY BE ORDERED DIRECTLY FROM SAVAGE ARMS [413-568-7001] BETWEEN THE HOURS OF 9:00 AND 3:30 (EASTERN STANDARD TIME). THERE IS A MINIMUM ORDER AND PLEASE ALLOW 2 WEEKS FOR DELIVERY.

PLEASE BE ADVISED THAT SOME PARTS MAY REQUIRE FITTING. SAVAGE ARMS BEARS NO RESPONSIBILITY FOR THE FUNCTION OR PERFORMANCE OF ANY FIREARM THAT HAS BEEN REPAIRED OR MODIFIED BY OTHER THAN SAVAGE ARMS SERVICE DEPARTMENT. AS SUCH, SAVAGE ARMS ACCEPTS NO RESPONSIBILITY/ LIABILITY FOR ANY DIRECT AND/OR CONSEQUENTIAL DAMAGE AND/OR INJURY RESULTING FROM THE USE OF A FIREARM REPAIRED OR MODIFIED BY OTHER THAN THE SAVAGE ARMS SERVICE DEPARTMENT.

CAUTION

SAVAGE ARMS OFFERS CERTAIN MODEL FIREARMS (SUCH AS THE VARMINTER) WITH A SPECIALLY DESIGNED ‘LIGHT PULL’ TRIGGER. SUCH FIREARMS ARE CONSIDERED TARGET FIREARMS AND ARE EXEMPT FROM SAAMI/ANSI INDUSTRY DROP TEST REQUIREMENTS FOR INADVERTENT DISCHARGE. IT IS THE SOLE RESPONSIBILITY OF THE SHOOTER TO EXERCISE EXTREME CARE WHILE HANDLING THESE FIREARMS TO PREVENT INADVERTENT DISCHARGE. SAVAGE ARMS ACCEPTS NO

RESPONSIBILITY/ LIABILITY FOR ANY DIRECT AND/OR CONSEQUENTIAL DAMAGE AND/OR INJURY RESULTING FROM THE MISUSE AND/OR MISHANDLING OF THESE SPECIFICALLY EQUIPPED FIREARMS.

* RESTRICTED TO FACTORY INSTALLATION ONLY

** CAN ONLY BE SOLD TO AN INDIVIDUAL POSSESSING A CURRENT FEDERAL FIREARMS LICENSE.

MODEL 12VSS

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1A</strong></td>
<td>Safety assembly</td>
</tr>
<tr>
<td><strong>1B</strong></td>
<td>8-32 x 1/4” socket screw</td>
</tr>
<tr>
<td><strong>1C</strong></td>
<td>Safety detent spring</td>
</tr>
<tr>
<td><strong>1D</strong></td>
<td>5-40 x 3/16” pan head screw</td>
</tr>
<tr>
<td><strong>1E</strong></td>
<td>Safety</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Trigger bracket Kit</td>
</tr>
<tr>
<td><strong>2A</strong></td>
<td>Safety retaining ring</td>
</tr>
<tr>
<td><strong>2B</strong></td>
<td>Trigger pin</td>
</tr>
<tr>
<td><strong>2D</strong></td>
<td>Safety bearing pin</td>
</tr>
<tr>
<td><strong>2E</strong></td>
<td>Trigger bracket</td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>Sharp shooter trigger assembly</td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>Sear Kit</td>
</tr>
<tr>
<td><strong>4A</strong></td>
<td>Sear pin</td>
</tr>
<tr>
<td><strong>4B</strong></td>
<td>Sear spring</td>
</tr>
<tr>
<td><strong>4C</strong></td>
<td>Sear</td>
</tr>
<tr>
<td><strong>5</strong></td>
<td>Magazine box</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>Magazine follower assy with coiled spring</td>
</tr>
</tbody>
</table>

**11**

**11B** Cocking piece

**11C** Cocking piece lock washer

**11D** Mainspring

**11E** Firing pin stop nut washer

**11F** Firing pin stop nut

**11G** Firing pin

**12**

**12A** Cocking piece pin

**12B** Rear baffle assembly

**12C** Bolt handle

**12D** Cocking piece sleeve

**12E** Boltloc assembly screw

**12F** Boltloc key

**12G** Bolt body

**12H** Bolt head retaining pin

**12I** Front baffle washer

**12J** Front baffle

**12K** Bolt head

**12L** Extractor

**12M** Extractor spring

**12N** 1/8” steel ball

**12O** Ejector

**12P** Ejector spring

**12Q** Ejector retaining pin

**12S** Bolt Assy Screw

**11**

**18**

**18A** Eating pin Assy

Stock assembly

**20** Cheek piece

**20A** 6-48 dummy screw

**20B** Safety insert

**21** Recoil lug

**22** Barrel lock nut

**25** Barrel
### MODEL 510

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
</tr>
</thead>
</table>
| **1** | Safety assembly  
8-32 x 1/4" socket screw  
Safety detent spring  
5-40 x 3/16" pan head screw  
Safety |
| **2** | Trigger bracket Kit  
Safety retaining ring  
Trigger pull adjusting screw  
Trigger pin  
Safety bearing pin  
Trigger pull adjusting spring  
Trigger bracket |
| **3** | Rear trigger assembly  
8-32 x 3/8" socket screw  
Rear trigger  
8-32 x 1/4" socket screw  
Sear Kit  
Sear  
Sear spring  
Front trigger |
| **4** | Firing pin assembly  
**11B** Cocking piece  
**11C** Cocking piece lock washer  
**11D** Main spring  
**11E** Firing pin stop nut washer  
**11F** Firing pin stop nut  
**11G** Firing pin |
| **12** | Bolt assembly  
12A Cocking piece pin  
12B Rear baffle assembly  
12C Bolt handle  
12D Cocking piece sleeve  
12E Bolloc assembly screw  
12F Bolloc key  
12G Bolt body  
12H Bolt head retaining pin  
12I Front baffle washer  
12J Front baffle  
12K Bolt head  
12L Extractor  
12M Ejector spring  
12N Ejector  
12O 1/8" steel ball  
12P Extractor spring  
12Q Ejector retaining pin  
12R Bolt assembly screw  
**11** Firing pin Assy |
| **18** | Stock assembly  
18A #10 screw  
18B Grip cap  
18C Rear action screw  
18D Front action screw  
**20** Receiver  
**21** Safety insert  
**22** Recoil lug  
**25** Barrel lock nut  
**26** Barrel  
Adjustable muzzle brake |
## SECTION 7

### AMMUNITION BULLET WEIGHTS AND MAGAZINE CAPACITIES

The following table lists the bullet weights used for 100 yard targeting evaluation at Savage Arms. Performance may vary based on brand/type of ammunition, individual characteristics of the firearm, shooter and/or shooting conditions.

Warning: Use only the correct ammunition that is stamped on the side of the barrel.

<table>
<thead>
<tr>
<th>Caliber</th>
<th>Bullet Weight (Grains)</th>
<th>Magazine Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>220 Swift</td>
<td>52 grain - Sierra Match King HPBT</td>
<td>Single Shot only</td>
</tr>
<tr>
<td>223 Remington</td>
<td>69 grain - Sierra Match King HPBT</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>22-250 Remington</td>
<td>40 grain - Sierra Varminter Hollow Point</td>
<td>2 - 1 in the chamber</td>
</tr>
<tr>
<td>243 Winchester</td>
<td>95 grain - Nosler Ballistic Tip</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>25-06 Remington</td>
<td>90 grain - Sierra Game King HPBT</td>
<td>Striker</td>
</tr>
<tr>
<td>260 Remington</td>
<td>120 grain - Nosler Ballistic Tip</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>270 Winchester</td>
<td>130 grain - Nosler Ballistic Tip</td>
<td>Striker</td>
</tr>
<tr>
<td>7mm-08 Remington</td>
<td>140 grain - Nosler Ballistic Tip</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>7mm Remington Magnum</td>
<td>150 grain - Nosler Ballistic Tip</td>
<td>2 - 1 in the chamber</td>
</tr>
<tr>
<td>7mm Remington Ultra Magnum</td>
<td>140 grain - Nosler Partition</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>7mm STW</td>
<td>140 grain - Swift A-Frame</td>
<td>2 - 1 in the chamber</td>
</tr>
<tr>
<td>7 x 64mm BR</td>
<td>177 grain - Torpedo</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>7.62 Patriot Lazzeroni</td>
<td>180 grain - Nosler Partition (Moly Coated)</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>300 Winchester Magnum</td>
<td>180 grain - Nosler Ballistic Tip</td>
<td>2 - 1 in the chamber</td>
</tr>
<tr>
<td>300 Remington Ultra Magnum</td>
<td>180 grain - Nosler Partition</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>300 Winchester Short Magnum</td>
<td>150 grain - Nosler Ballistic Silvertip</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>308 Winchester</td>
<td>168 grain - Sierra Match King HPBT</td>
<td>3 - 1 in the chamber</td>
</tr>
<tr>
<td>30-06 Springfield</td>
<td>168 grain - Sierra Match King HPBT</td>
<td>4 - 1 in the chamber</td>
</tr>
<tr>
<td>338 Winchester Magnum</td>
<td>210 grain - Nosler Partition</td>
<td>2 - 1 in the chamber</td>
</tr>
<tr>
<td>375 H &amp; H</td>
<td>300 grain - PSP Swift A-Frame</td>
<td>2 - 1 in the chamber</td>
</tr>
<tr>
<td>458 Winchester Magnum</td>
<td>510 grain - Soft Point</td>
<td>2 - 1 in the chamber</td>
</tr>
<tr>
<td>12 Gauge</td>
<td>1 ounce Sabot Slug - 3 inch</td>
<td>2 - 1 in the chamber</td>
</tr>
</tbody>
</table>
SECTION 8

RINGS & BASES

RINGS AND BASES FOR MOUNTING A SCOPE

The following Companies manufacturer RINGS and BASES that fit Savage firearms.

The manufacturer’s listed below should be contacted for specific part numbers and information.

<table>
<thead>
<tr>
<th>WEAVER</th>
<th>BURRIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.O. Box 39</td>
<td>331 East St.</td>
</tr>
<tr>
<td>Onalaska, WI 54650</td>
<td>Greeley, CO 80631</td>
</tr>
<tr>
<td>800-635-7696</td>
<td>970-355-1870</td>
</tr>
<tr>
<td><a href="http://www.weaveroptics.com">www.weaveroptics.com</a></td>
<td><a href="http://www.burrisoptics.com">www.burrisoptics.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KIWIK-SITE</th>
<th>MILLETT</th>
</tr>
</thead>
<tbody>
<tr>
<td>555 Treadwell</td>
<td>7275 Murdy Circle</td>
</tr>
<tr>
<td>Wayne, MI 48184</td>
<td>Huntington Beach, CA 92647</td>
</tr>
<tr>
<td>734-329-1500</td>
<td>800-845-5388</td>
</tr>
<tr>
<td><a href="http://www.kwiksiteco@aol.com">www.kwiksiteco@aol.com</a></td>
<td><a href="http://www.milletights.com">www.milletights.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B-SQUARE</th>
<th>LEUPOLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.O. Box 11281</td>
<td>14400 NW Greenbrier Parkway</td>
</tr>
<tr>
<td>Fort Worth, TX 76110</td>
<td>Beaver, OR 97006</td>
</tr>
<tr>
<td>800-433-2909</td>
<td>503-526-5196</td>
</tr>
<tr>
<td><a href="http://www.b-square.com">www.b-square.com</a></td>
<td><a href="http://www.leupold.com">www.leupold.com</a></td>
</tr>
</tbody>
</table>

SECTION 9

STATEMENT OF LIMITED WARRANTY

Please complete the WARRANTY REGISTRATION CARD and return it to Savage Arms, Inc. within ten (10) days from the date of purchase.

Savage Arms, Inc. must be notified within one (1) year from the date of purchase of any defect in materials or workmanship encountered during normal use.

WHO IS COVERED?

The original owner (with proof of purchase).

WHAT IS COVERED?

Any defect in materials or workmanship performed at Savage Arms.

HOW LONG IS THE WARRANTY PERIOD?

One (1) year from the date of purchase.

WHAT IS NOT COVERED?

PERSONAL INJURY, PROPERTY DAMAGE, AND/OR DAMAGE TO THE FIREARM CAUSED BY:

- Negligence to provide proper care and maintenance.
- Alterations/modifications performed without the expressed authorization of Savage Arms, Inc.
- Service Department.
- Normal wear, tear, and/or corrosion.
- Accidental discharge, careless handling, and/or misuse.

EXCLUSIONS AND LIMITATIONS:

This WARRANTY and the remedies set forth herein are exclusive and take the place of all other expressed or implied WARRANTIES (including any implied WARRANTY of merchantability or fitness for any particular purpose which are disclaimed). No other representations or claims of any nature shall be binding or obligate Savage Arms, Inc.

Savage Arms, Inc. excludes any incidental and consequential damages under this warranty. Some states do not allow exclusions or limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

This WARRANTY gives you specific legal rights. You may have other rights, which will vary, from state to state.

RETURNING A FIREARM:

For WARRANTY claims, proof of purchase must accompany the firearm.

It is a violation of Federal Law to ship a firearm with live ammunition either in the box or in the firearm itself. If received, The Bureau of Alcohol, Tobacco, and Firearms must be notified.

Savage Arms, Inc. is not responsible for the loss or damage to any accessories shipped with the firearm.
If there is a question whether the firearm should be returned or parts could be purchased, please call 1-413-568-7001 between 9:00 am and 3:30 p.m. EST and ask for the Service/Warranty Department.

All firearms are to be sent to Savage Arms, Inc. at the owner’s expense. Warranty repairs will be returned to the owner at the expense of Savage Arms, Inc.

2. Pack the firearm in its original box if possible (or a similar suitable box), being careful to include any support pieces.

3. Enclose a brief note including:
   - Name, address and phone number of sender
   - Best time and method to contact sender
   - Serial number of firearm
   - Description of the problem you are having
   - Bullet weight, bullet type, sabot, powder type and charge you are using
   - Any other information that you feel may be helpful.

4. Return to:

   Savage Arms, Inc.
   100 Springdale Road
   Westfield, MA 01085
   Attn: Service Department

5. If there will be a charge involved for the repair, a quote will be sent within fourteen (14) working days after receipt of payment. If there is no response from the quote within (30) days, the firearm will be returned COD ($20.00 Shipping/Handling).

Firearms will be repaired typically 4 weeks after receipt of payment in the order they were received.
WARNING
Children are attracted to and can operate firearms that can cause severe injury 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 carcel.

Savage Arms
The Definition of Accuracy

100 Springdale Road
Westfield, MA 01085
www.savagearms.com