

## HISTORY

### SYNOPSIS OF FIREARM HISTORY

- Originally cataloged in 2001
- Press Release
- Initially introduced in .30-06 with a Bushnell Sharpshooter 3-9x40 scope; clean barrel

Bushnell 3-9x40 Matte sharpshooter rifle scope

1. Fully waterproof and fogproof
2. Fully coated lenses
3. Multi-X reticle
4. Fully effective aperture
5. 1 click =  $\frac{1}{8}''$  at 100 yds.
6. 3" eye relief
7. Neoprene eye guard
8. Sure-grip power change ring

Approximately 4/01 – changes made to the scope are as follows:

1. Objective adjustment – reshaped, longer and bigger and easier to turn
  2. Eye piece bigger in diameter
  3. 1/8" longer
- .270 was cataloged in 2001
  - Manufactured only in the Mayfield KY plant; no repairs or parts through our Ilion plant as of 4/01
  - January 2001 production of .30-06 with a Bushnell Sharpshooter 3-9x40 scope was subject to an upgrade. Dealers were notified by phone by current CSR's regarding the update. The upgrade was voluntary and involved: 1. Polishing the bolt body 2. Installing reinforcing ribs on receiver insert to provide strength and keep bolt from binding
  - 2001 cataloged RAMAC # 27408 and #27410
  - All initial repairs to the Model 710 are/were performed by Paducah Shooters Supply, 3919 Cairo St. Paducah KY 42001 270-442-3242
  - Suggested retail prices at introduction \$425.00, MSP \$319.00
  - First 10,000 packed with free sighting target and Remington ear plugs

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### MODELS PRODUCED

- 2001 - .30-06 caliber; 22" bbl; 42 1/2" overall length; 7 1/8 lb avg. wt; gray synthetic; matte finish on stock and bbl; ordnance-grade steel bbl
- \* 27408 - .270 Win 22" bbl length 42 1/2" overall length
  - Weight: 7 1/8 lbs (average)
  - Stock: gray synthetic, matte finish

Barrel: ordinance-grade steel, matte finish  
Barrel rate of twist: 1 turn in 10 inches

## SERIAL NUMBERS

## SPECIAL RUNS

## INTRODUCTION/DISCONTINUED

- Initially introduced in .30-06 with a Bushnell Sharpshooter 3-9x40 scope; clean barrel
- .270 was cataloged in 2001, but as of 4/01 no shipments made

## UPDATES

- Initial production (1/01) – bolt bodies came with a bead blasted finish
- 2/01 and forward – bolt bodies came with a polished finish  
If customer has a bolt body with bead blasted finish, they may send back to Paducah for update. NOTE: This update applies to RAMAC #7410 only production 1/01-3/01 .30-06 with Bushnell Sharpshooter 3-9x40 scope
- Initial production (1/01) – Receiver insert shipped without reinforcing ribs
- 2/01 and forward – receiver inserts came with reinforcing ribs  
If customer has a receiver insert without reinforcing ribs, they may send back to Paducah for update. NOTE: This update applies to RAMAC #7410 only production 1/01-3/01 .30-06 with Bushnell Sharpshooter 3-9x40 scope

\* **Ramac numbers and History updates**

- 7404 .270 rifle sighted model offered in 2001 only
- 7406 .30-06 rifle sighted model offered in 2001 only

### Letter Sent back to customers with updated firearm

A Remington Bandit knife (1 blade lock back; smooth black synthetic handles, gold logo) was sent back with the first few hundred rifles that we did the updates for. This knife was discontinued in 2000. We sent the knife with the rifle until our supply was depleted.

Letter included with firearm after bolt update:

Dear Valued customer,

Thank you very much for purchasing our new Model 710. When properly used and cared for, your Remington firearm will give you years of safe, reliable service.

We apologize for any inconvenience shipping your Model 710 to us may have caused. The voluntary update performed on your firearm should improve the operation of the bolt assembly. Please rest assured that there are no, nor have there been safety concerns with the Model 710. This update was for fit and function only.

Again, thank you for your purchase, and for allowing us to help improve your Remington Model 710. If you have any further questions, please do not hesitate to contact our Consumer Service division at 1-800-243-9700, M-F 9:00a.m.-5:00p.m., Est. You may also contact us through our website at [www.remington.com](http://www.remington.com).

Good shooting, and please Remember... Safety First!

Sincerely,

Remington Arms Co Inc.

#### PATENT DATES AND NUMBERS

#### ESTIMATED TOTAL PRODUCTION

#### FIREARMS VALUE RESOURCES

- Blue Book of Gun Values  
8009 34<sup>th</sup> Ave. South #175  
Minneapolis MN 55425  
1-800-877-GUNS  
[www.bluebookofgunvalues.com](http://www.bluebookofgunvalues.com)  
This publication can be found at most larger bookstores and libraries.
- Gun Trader's Guide or Shooter's Guide  
Stoeger Publishing Co.  
Mansard CT  
Wayne NJ 07470  
973-872-0500

#### SUGGESTED RETAIL PRICES AT INTRODUCTION

- Suggested retail prices at introduction \$425.00, MSP \$319.00

**REMINGTON**  
**Press Release**

October 27, 2000

**FOR IMMEDIATE RELEASE**

Contact: Linda Powell  
Eddie Stevenson  
(800) 537-2278 (Press only)

**Remington® Introduces its First New Bolt Action Centerfire  
Technology in Over 30 Years**

**Madison, NC** - Continuing the tradition of dependable, quality products at an affordable price, Remington is pleased to announce the introduction of its latest centerfire rifle, the Model 710™. The result of state-of-the-art engineering design and innovative manufacturing technology developed at the industry's only free-standing R & D facility and assembled at Remington's newest manufacturing site, the Model 710 delivers the same accuracy and reliability that consumers expect from Remington and is backed by our two-year warranty.

Initially offered in .30-06 Spfd. and .270 Win, the Model 710 is the perfect entry-level, bolt action rifle for the casual whitetail hunter or a durable workhorse for the avid trophy hunter. The Model 710 is sturdily constructed with a matte-blue finished, 22-inch carbon

steel, clean barrel that is permanently integrated to the receiver and pillar-bedded onto a gray, fully textured synthetic stock that is virtually impervious to the harshest weather conditions. The all steel bolt operates with a lightning-fast 60-degree throw and the Model 710 has the industry's first receiver insert that is constructed of nylon reinforced fiberglass and impregnated with Teflon and silicon to provide "self-lubrication." It also features a center-feed, four round capacity, detachable steel magazine that is easily removed for cleaning and loading. For increased safety and security, the Model 710 offers Remington's new Integrated Security System (ISS). This on-board bolt-locking device provides the user with the capability to render the firearm inoperable if desired.

Combined with quality construction is a level of performance expected only from higher priced centerfire rifles. Utilizing the Model 700™ trigger components, factory set at four pounds, and the famous "3 rings of steel" assurance, the Model 710 equals its "out-of-the-box" accuracy and legendary lock time.

Topped with a factory bore-sighted, fully water and fog-proof Bushnell SHARPSHOOTER® 3-9x40 black matte scope and heavy duty Weaver-style base and rings, the Model 710 is an exceptional value for hunters.

Just add a sling and grab a box of ammunition, and the Model 710 is ready to take afield. The all-new Model 710 will be available in the fourth quarter of 2000 at a suggested retail of \$359.

<b>Model</b>	<b>710</b>
<b>Action</b>	Bolt/Long
<b>BBL Length</b>	22 inches
<b>Overall Length</b>	42 ½ inches
<b>Avg. Weight</b>	7 1/8 lbs.
<b>Stock Material</b>	Gray Synthetic
<b>Stock Finish</b>	Matte
<b>BBL Material</b>	Carbon Steel
<b>BBL Finish</b>	Satin Blue

Attention European Customers

Special Warranty and Repair Instructions for BUSHNELL® Sharpshooter Riflescopes  
Purchased with Remington Model 710 Rifles in Europe

6/12/2006

Your 3-9x40 BUSHNELL® SHARPSHOOTER® Rifle scope is warranted to be free of defects in material and workmanship for up to 25 years depending on your local legislation. This Warranty is an expression of our confidence in the materials and workmanship of our products and is your assurance of a lifetime of dependable service. In the event of a defect under this warranty, we will, at our option, repair or replace the product provided that you return the product to us postage prepaid. Please include your name and address and an explanation of the defect. This warranty does not cover damages caused by misuse or improper handling or maintenance of the product.

If service should be necessary, your BUSHNELL® 3-9x40 SHARPSHOOTER® should be well packaged in a sturdy outside shipping carton to prevent damage in transit and returned to:

Bushnell Performance Optics Rotterdam Netherlands  
Attention : Ronald Monster  
Columbusstraat 25  
3165 AC Rotterdam, The Netherlands

The BUSHNELL® contact information is Tel: +31 10 494 5767, Fax: +31 10 494 5770  
and e-mail: [rmonster@bushnell.com](mailto:rmonster@bushnell.com)

Privileged and Confidential – November 26, 2002

Model 710 – Safety Detent Spring Recall and Replacement Program  
Q & A – Consumer//Customer Service

Serial # Range Firearms with potential improperly manufactured springs  
71009425 – 71087773

\*\*(Serial #'s outside of the range above, are not affected by this program.)\*\*  
(Only the Model 710 potentially effected by this program)

1. Is this a recall?  
Yes, it is a voluntary recall of a limited number of guns. The recall applies only to those Model 710 rifles within the affected serial number range. Only those rifles may have been assembled with an improperly manufactured "Safety Detent Spring." No other Model 710 rifles and no other Remington firearms of any model, are affected by this recall.
- 2.) Will this improperly manufactured "Safety Detent Spring" cause my gun to go off?  
No. Even if the improperly manufactured "Safety Detent Spring" causes the safety mechanism to malfunction, that by itself would not cause the rifle to fire. However, although it is unlikely, if your rifle was assembled with an improperly manufactured "Safety Detent Spring," then the spring may interfere with the ability of the manual safety to fully engage in the "safe" or "on" position. Moreover, the user may not be aware of the fact that the mechanism has not properly engaged. While the trigger must still be pulled to fire the rifle, this recall and spring replacement program is intended to insure that the manual safety of your rifles functions properly.
- 3) Can I fix the gun myself?  
No, if your firearm was assembled with an improperly manufactured spring, it must be replaced by a Remington Authorized Repair Center.
- 4) Can any gunsmith fix my gun?  
No, if your firearm was assembled with an improperly manufactured spring, it must be replaced by a Remington Authorized Repair Center. Remington Authorized Repair Centers will have the necessary replacement springs available for repair, and can complete the repair under warranty.
- 5) How long will it take?  
We have supplied the necessary replacement springs to our repair centers in order to expedite the return of your firearm to you as quickly as possible. Time involved will be dependent on shipping distance, particular repair station and day of the week firearm is received.
- 6) Do I have to pay to send it in?  
You can arrange to ship the rifle to a Remington Authorized Repair Center in one of two ways: 1. You can return the firearm and send us a copy of the receipt for shipping charges for reimbursement or; 2. We can send you a UPS label for the shipment of your firearm. (Must be delivered to a UPS pickup center or a small pickup charge is applicable.

7) Is this like the Safety Modification Program for Model 700's with bolt lock mechanisms?

No, this Safety Detent Spring Replacement program is unique to a limited number of Model 710's. The Model 710 was not a part of the Safety Modification program for Model 700's with bolt lock mechanisms.

8) Can I wait until after the season?

No! If your firearm was assembled with an improperly manufactured Safety Detent Spring, the spring must be replaced immediately.

9) Will my firearm be unsafe if I do not have this done?

Even if the improperly manufactured "Safety Detent Spring" causes the safety mechanism to malfunction, that by itself would not cause the rifle to fire. However, although it is unlikely, if your rifle was assembled with an improperly manufactured "Safety Detent Spring," then the spring may interfere with the ability of the manual safety to fully engage in the "safe" or "on" position. Moreover, the user may not be aware of the fact that the mechanism has not properly engaged. While the trigger must still be pulled to fire the rifle, this recall and spring replacement program is intended to insure that the manual safety of your rifles functions properly.

10) Why is this part restricted?

Because the spring is an integral part of the internal working mechanisms of the firearm, and part of the trigger assembly, we only provide the part to a limited number of our factory trained authorized gunsmiths. Remington has the same policy with regard to all its firearms, not just the Model 710.

11) Why are you replacing the safety spring?

Remington wants its customers to enjoy the shooting sports safely. Even if the improperly manufactured "Safety Detent Spring" causes the safety mechanism to malfunction, that by itself would not cause the rifle to fire. However, although it is unlikely, if your rifle was assembled with an improperly manufactured "Safety Detent Spring," then the spring may interfere with the ability of the manual safety to fully engage in the "safe" or "on" position. Moreover the user may not be aware of the fact that the mechanism has not properly engaged. While the trigger must still be pulled to fire the rifle, this recall and spring replacement program is intended to insure that the manual safety of your rifles functions properly.

12) How do I know if my rifle is involved?

By providing the serial # of your firearm we can identify whether your rifle may have been assembled with improperly manufactured Safety Detent Spring.

13) Do I have to pay for the modification?

No!

14) Where do I send my firearm?

2. Paducah Shooter Supply B. Remington Authorized Repair center in your area.



Sample Letter

October 29, 2002

TO OUR AUTHORIZED FUNCTIONAL WHOLESALERS AND DIRECT DEALERS:

A/s Norma Projektilfabrik  
Attn: Mr. Frode Larsen  
P.O. Box 373 Okern  
0513 Oslo  
Norway

Dear Mr. Larsen,

Remington Arms Company has uncovered a problem that may develop with a small number of Model 710 series rifles and is requesting you hold further shipment of these guns that remain in your inventory until appropriate action has been taken. This letter provides you with the necessary details regarding our request.

The Model 710 series firearms involved were shipped August, September and October of 2002. A complete serial number listing of the involved rifles shipped to your business is enclosed.

Please note that Model 710 series rifles with serial numbers other than those shown on the attached list are not involved, and you need not take any action on those guns. Also, no other Remington gun models are involved.

During routine test firing, Remington discovered the possibility that an improperly manufactured "Safety Detent Spring" may have been assembled in a number of Model 710 series rifles. Although unlikely, the improperly produced part could possibly bind and give the shooter a false indication of the safety arm position on the trigger assembly.

Since the safety and quality of our firearms is our utmost concern, Remington will replace the "Safety Detent Spring" in all rifles, which possibly contain the impacted part. To accomplish this, a "Safety Detent Spring" replacement program has been instituted.

Therefore, we are requesting your timely assistance with the following action:

3. Please hold shipment of any involved Model 710 rifles in your inventory.
4. Call Remington at 1-800-243-9700 and advise us of the quantity of involved rifles in your inventory so we can execute the best plan to replace the "Safety Detent Springs" for you.
5. If you have sold some of the involved guns, please provide the full name, address, and phone number (if known) of each of your

customers and matching serial number so we can contact them as soon as possible. This information should be mailed to:

Remington Arms Company, Inc.  
Attention: Dept SDS  
P.O. Box 700  
870 Remington Drive  
Madison, NC 27025-0700

If you need help in searching your records for this information, or if you prefer to provide your customer information by telephone or fax, please let us know by calling the toll free number; 1-800-243-9700.

We apologize for any inconvenience this may cause you. However, we feel our mutual customers deserve our very best combined efforts in repairing the involved rifles.

If you or your customers have any further questions concerning this request, please call us on the above mentioned toll free number between the hours of 9:00a.m. and 5:00p.m. Eastern Standard time.

Thank you for in advance for your cooperation in resolving this important matter.

Sincerely,

Jay Bunting  
Vice President of Sales, Marketing and product Development  
Firearms and Accessories

(attachment & enclosure)

Store Action:

If the Remington Model 710 gun box has a round yellow label with the letters SDS on the box end label, the gun is NOT part of the recall. The gun should be put on the shelf and made available for sale. If you have any Remington Model 710 guns without the round yellow label, please call Remington Arms company, Inc. @ 1-800-243-9700 with the serial numbers of the Model 710 firearm and they will advise if the gun is part of the recall. If it is, they will advise on the proper way to have the gun evaluated and serviced.

Additionally, please provide consumer contact information (name, address, phone # and serial #) to Remington @ 800-243-9700 on all model 710's you have sold since August 1, 2002. Remington will contact the customer and ensure that the firearm is appropriately serviced.

(picture needs to be inserted)

**Mayfield product/Parts update timeline**

Model 710

- Nov, 2000 Added to Quality team meetings
- Jan, 2001 Changed braze for bolt handle. First 7000-8000 guns braze was incorrect, resulting in the handle separating from the bolt body
- Feb, 2001 710 Update program started
  - changed finish on bolt body to decrease OD
  - added 2 nylon ribs between receiver & insert
- Mar, 2001 Email response for bolt finish/binding:  
We apologize for any misunderstanding. There is not a recall on the Model 710. However, we have discovered an incorrect finish on the bolt of the first shipment of this model. The incorrect finish can cause the bolt to bind when the action is cycled. We are performing an update to correct this finish, however this is strictly voluntary. This is not a recall, and there are absolutely no safety concerns. This is only for function and ease of operation. Again, we apologize for any inconvenience. If you have further questions, please feel free to call us at 1-800-243-9700.
- Aug, 2001 Added bolt stop spring, and changed inlet in stock to accommodate (starting with serial #71025377)
- Aug, 2001 Burris Optics introduced scope mounts for the Model 710. part number 410270 / 2 piece base, matte finish / Burris's phone number 1-888-228-7747
- Jan, 2002 Hardened bolt stop material to stop them from shearing off
- Feb, 2002 Remington recommends to not use Birchwood Casey Gun Scrubber on any of the synthetic M710 parts, especially the bolt stop. A chemical reaction can occur and the parts will crack.

#### **710 Recall notes**

The spring should have a 90° bend. Recalled springs might have a smaller angle bend and catch on the stock. (spring may extend out from the trigger too far)

#### **Overall Features**

Feature for feature, there isn't a more advanced rifle in its range.

- New Model 710 bolt design employs three unique locking lugs that lock the bolt up inside the barrel — rather than the receiver — delivering unprecedented strength, particularly among other rifles in its class.
- Proven Remington cylindrical receiver design features a unique new fiberglass-reinforced, self-lubricating nylon receiver insert, impregnated with both silicon and Teflon for ultimately smooth, reliable bolt operation.
- Shorter 60-degree bolt throw (vs. 90-degree throw on competing rifles) delivers faster follow-up shots.
- 22" ordnance-grade steel barrel is button-rifled (the same process used on custom rifle barrels) with 6-groove, right-hand, 1-in-10 twist rifling. Additionally, the barrel is hydraulically pressed to the receiver for permanent attachment and bedded in the stock.
- Removable, dual-stack steel magazine box (as opposed to blind design on competitive models) with center feed and four-round capacity. The Model 700 has a dual stack, staggered feed magazine.
- Unique, dark-gray specially textured synthetic composite stock with raised cheekpiece (unavailable on competitive rifles), black recoil pad and sling swivel studs.

- 42 1/2" overall length; 7 1/8 lbs. (up to 3/8-lb. lighter than other rifles in its class).
- Exclusive, key-operated Remington Integrated Security System.
- Pre-mounted, bore-sighted 3-9x40 scope with high-grade rings and mounts.
- Initially offered in popular .270 Win. and .30-06 Sprg. calibers.

#### Specifications

Caliber	Barrel Length	Rate of Twist	Overall Length	Avg. Wt. (lbs.)	Order No.	MSRP*
.270 Win.	22 in.	10"	42 1/2 in.	7 1/8 lbs.	7408	\$425
.30-06 Sprg.	22 in.	10"	42 1/2 in.	7 1/8 lbs.	7410	\$425

LOP: 13 3/8"; Drop at Comb: 1/2"; Drop at Heel: 1 3/8"

\*NOTE: U.S. Manufacturer's Suggested Retail Price. Actual price may vary.

- The Key to Safety

While the Model 710 features a standard mechanical safety button for use in the field it also employs another exceptional innovation from Remington, The Remington, Integrated Security System (ISS). With a simple turn of an easy to use J key, the bolt can be securely locked in the "open" position –rendering the rifle inoperable and impossible to fire.

2/3/01 The one piece base that comes on the gun is the only one available...we expect Leupold, Burris and others will have more options eventually. Any weaver style rings will fit on the current base (Leupold rings, Redfield rings, etc.)

## FAQ's

### What is button-rifling?

Starting with a blank piece of steel close to the size of the end barrel, a hole is drilled through the middle; then a button (made of harder steel than the barrel) is pulled through the center of the barrel, which impresses the lands and grooves and finally the bore dimensions. At our plant in Mayfield, this is all done by a huge button rifling machine. This process does not stress the steel as much as hammer forging. The end result is usually a smoother barrel.

### What is hammer forged rifling?

Starting with a piece of steel about 16" long much wider than the end barrel; a hole is drilled in the middle and a mandrel with lands/grooves is placed inside; then the steel is hammered out over the complete mandrel which impresses the lands/grooves and finally the bore dimensions.

### Why a synthetic receiver instead of steel?

The bolt on the Model 710 locks into the barrel with three locking lugs. All of the pressures are contained within the barrel; this eliminates the need for a steel receiver. The synthetic receiver insert is there merely to guide the bolt. This is one factor that helped us to reduce the total cost of the rifle.

**What are the advantages to having the bolt locking into the barrel instead of the receiver?**

This creates a positive feed for the cartridge and eliminates the need for headspacing. This allows us to use a synthetic receiver insert, which cuts the cost for the customer without sacrificing safety.

**Can I rebarrel the Model 710?**

We do not recommend any alterations to the firearm. No, the Model 710 cannot be rebarreled. The barrel on the Model 710 is hydraulically pressed into the receiver.

**Is the trigger adjustable?**

We do not recommend any alterations to any part of our firearms once they leave our factory. If you do break the lock-tite on the trigger screws you will void your warranty on your firearm.

**Why a 60 degree bolt throw?**

For ease of the hunter to operate with gloves and ease of second shots in hunting situations.

**How is the receiver insert self-lubricating?**

The teflon that is impregnated in the synthetic, keeps the guidance system smooth.

**Should I use Rem oil on the receiver insert?**

There is not need to use any oil on the receiver insert. The use of oil will cause build up of dirt and grime.

**Is the barrel free floated?**

No, the barrel is pillar bedded into the stock.

**Can I purchase individual parts?**

Replacement parts are available through our parts and repair department.

**Where can I purchase an extra magazine?**

Extra magazines can be purchased through your local dealer, anyone who carries Remington products.

**Is the barrel threaded to the receiver like the Model 700?**

The barrel is hydraulically pressed into the receiver not threaded like the Model 700.

**What is the barrel made of?**

The barrel is manufactured out of ordnance grade carbon steel.

**How many rounds does the rifle hold?**

4 in the magazine and 1 in the chamber

**Is the receiver drilled and tapped for a scope?**

Yes

**Does the Model 710 have the same quality standards since it is not manufactured at the Ilion plant?**

The Model 710 is held up to the same quality standards as all of our firearms.

**What is the warranty on the Model 710?**

Our warranty covers any manufacturing defects or quality of workmanship for two years after the date of purchase for the original owner of the gun.

**What comes with my Model 710?**

The firearm, a four shot clip, swivel studs, owners manual, Bushnell Sharpshooter 3-9x40

**Is there a warranty on my Bushnell scope?**

There is a limited lifetime warranty against manufacturer defects for the original owner of the scope.

\* Recoil pad used is the same as a Model 700 and is screwed in with Model 700 recoil pad screws.

- \* Grip cap is expoxied on / grip cap can also be used on Model 700
- \* The barrel on the Model 710 does have a barrel code on 2001 models
- \* The stock has a molded cheek piece
- \* There may be brass shavings on the bolt face. This is O K, it is from the proof test done at the factory
- \* When installing the bolt lugs back onto the bolt body, the bolt lug pin has to be positioned so that the firing pin can come through the hole on the bolt lug pin.
- \* Bolt assembly has 4 pieces – 1. Bolt body 2. Firing pin assembly 3. Bolt head with locking lugs 4. Bolt lug pin
- \* 710 scope screw hex size is 7/64
- \* A semi permanent loc-tite is applied to the scope base screws at the factory. The screws for the rings do not have loc-tite applied.

G/L codes for shipping and handling

4000304 - \$6.00

4000264 – Next Day

4000265 – 2<sup>nd</sup> day air

400266 – Saturday delivery

**710 Recall notes**

1. The spring should have a 90° bend. Recalled springs might have a smaller angle bend and catch on the stock. (spring may extend out from the trigger too far)

**Bushnell Scope Repairs**

**1. US repairs -**

**RARC's send to Remington Corporate.**

**Consumers send to:**

Bushnell Performance Optics  
Department 9200  
9200 Cody  
Overland Park, KS 66214-3537  
800-423-3537

**2. Canadian repairs**

Bushnell Corporations of Canada  
25A East Pearce St, Unit 1  
Richard Hill, Ontario L4B 2M9  
800-361-5702

## **REMINGTON MODEL 710 FIELD SERVICE MANUAL**

The Remington Model 710 is a centerfire bolt action rifle available in popular big game calibers. Two sighting systems are offered, a factory installed variable power scope or Remington open rifle sights. (Open sight version shown below)

Show Picture

The Remington Model 710 owners manual, is packaged with each new rifle. Owners Manuals may also be obtained from a Remington dealer, Remington Customer service (1-800-243-9700) or downloaded from the Remington Website [www.remington.com](http://www.remington.com). The owner's manual provides descriptions of the major components and safe operation of the firearm. The field service manual provides detailed explanation of disassembly and repair of the Remington model 710 firearm. Unless otherwise noted in the manuals, parts are interchangeable with no factory adjustment required. When handling a firearm for service or return shipment, ensure that the firearm is unloaded and the safety in the safe position before proceeding.

**Bolt Assembly** (Before working on any firearm, ensure the firearm is unloaded and the safety is in the safe (s) position.) The M710 bolt assemblies are intended to be fully interchangeable, but upon replacement of a bolt assembly or bolt head, the firearm must be inspected for proper headspace prior to firing.

To remove the firing pin assembly from the bolt assembly – Rotate the bolt plug clockwise until the firing pin assembly releases rearward from the bolt body. If the bolt plug is rotated counter-clockwise such that the firing pin head falls into the cam cut, firmly clamp the firing pin head, pull the bolt assembly forward and rotate clockwise aligning the firing pin head to the cocking notch or further until the firing pin assembly releases from the bolt body. The firing pin assembly should not be disassembled, if any component of the firing pin assembly is damaged, replace the entire firing pin assembly. To reassemble, slide the firing pin assembly into the bolt body, align the firing pin head to the left of the cocking notch in the bolt body, depress and rotate the bolt plug until the firing pin head aligns with the cocking notch.

To remove the bolt head from the bolt body- Remove the bolt assembly pin from the bolt body. Slide the bolt head forward from the bolt body. If the bolt head is replaced for any reason, the headspace must be inspected before attempting to fire the firearm. To



reassemble, insert the bolt head into the bolt body aligning the assembly pin hole in the two components so that the ejector is located opposite of the bolt handle. Insert the bolt assembly pin so that the cross hole in the pin will align with the firing pin.

To remove the ejector from the bolt head – Remove the ejector retaining pin. Caution: The ejector is under spring pressure, prior to removing the retaining pin ensure the ejector is supported so that it does not spring out of the bolt head. To reassemble, insert the ejector spring and ejector into the bolt head, align the slot in the ejector with the retaining pin hole. Depress the ejector to the bolt face and insert the ejector retaining pin.

To remove the extractor from the bolt head – Remove the ejector per instructions above. For non-magnum bolt heads, use a small punch to rotate the extractor clockwise until the extractor leg is exposed. Grasp the leg with pointed pliers and continue to rotate until the extractor releases from the bolt head. To reassemble, insert the right leg of the extractor below the bolt shroud and rotate against the dimple, lightly push the left leg toward the center of the bolt head working the extractor into the bolt shroud. When assembled, the extractor claw should be the only visible portion of the extractor when viewed from the front. The extractor should hold a fired case firmly in place when pointed downward.

For magnum bolt heads, use a pointed punch to drive the extractor rivet inward towards the center of the bolt head and remove. Rotate until an extractor leg is exposed, grasp with pointed pliers and continue rotation until the extractor releases from the bolt head. To reassemble, insert the extractor under the bolt shroud aligning the hole in the extractor and bolt shroud. Insert the extractor dimple into the hole from the inside outward, support and peen the rivet from the outside. Test spring pressure with an empty case, adjustment of tension force may be adjusted by pressing the extractor inward to reduce pressure or pulling outward to increase pressure. The extractor should hold the case firmly in place when pointed downward.

Stock assembly – (Before working on any firearm, ensure the firearm is unloaded and the safety in the safe (S) position.) The M710 stock assemblies are intended to be fully interchangeable. The recoil bracket is epoxied into the stock and should not be removed. If removed for any reason, prior to reassembly, the residual glue must be thoroughly removed from the pocket and recoil bracket to ensure proper seating of the recoil bracket. Prior to assembly, Loctight #422 should be applied to the recoil bracket.

To remove the stock assembly-Remove the three take down screws using the proper allen wrench size. Lift the barrel assembly out the stock assembly, the bolt stop is held in place by the stock and will slide out of the receiver when the stock is removed. To reassemble, insert the bolt stop into the mating hole in the receiver, place the barrel assembly into the stock aligning the recoil bracket with the cross slot in the bottom side of the barrel. Install and tighten the front and middle take down screws to a torque of 50-60in-lbs. Install and tighten the rear take down screw to a torque of 10-15 in-lbs.

To remove the recoil pad from the stock assembly – Remove the two recoil pad screws using a large “Phillips” style screwdriver, pull the recoil pad from the stock. To reassemble, align the recoil pad with the recess in the rear of the stock and install the two recoil pad screws.

To remove the sling swivel studs from the stock assembly – Insert a small punch through the cross hole in the stud and turn counterclockwise. To reassemble, turn clockwise until the stud mates flush with the counterbore in the stock, align the crosshole perpendicular to the barrel.

To remove the latch assembly from the stock assembly – Slide a thin flat piece of steel between the stock and leg of the latch spring from the bottom side of the stock through to the top side. Without the use of a piece of steel, the latch spring leg will catch on the stock. Use a large diameter punch to push the latch, pivot pin, and spring upward and out of the stock. To reassemble, position the latch spring in the stock, aligning the pivot pin with slots in the stock. Use a large diameter punch to snap the pivot pin downward into the pockets molded into the stock. Activate the latch to ensure free movement and proper spring return.

#### CYCLE OF OPERATION

The cycle of operation for the M/710 follows the basic pattern of bolt-action rifles. To fire the firearm, the Integrated Safety System, (ISS) must be in the fire position (red dot showing), slide the bolt assembly forward feeding a round from the magazine, fully close the bolt and rotate handle downward until contact is made with the receiver, align the sights or scope with the intended target, slide the safety to fire (F) position and squeeze the trigger. To unload the rifle, rotate the bolt handle upward and pull the bolt assembly rearward, the fired cartridge will automatically eject from the receiver when the bolt reaches the bolt stop. When not in use, the firearm should be stored with the bolt assembly open, the ISS in the locked position (white dot showing), and the safety in the safe position (s).

#### Malfunctions

##### Cause and Correction

Bolt fails to feed a round when closed (Bolt Over-ride):

- Cause
1. Magazine not properly latched into stock
  2. Magazine follower binds
  3. Magazine feed lips deformed

- Correction:
1. Ensure proper mating of latch and magazine box.
  2. Adjust width of magazine to ensure free movement of follower
  3. Adjust width of magazine feed lips to .430 inches

Bullet nose hits below the chamber when fed (Stem Chamber)

Cause: 1. Magazine follower binds

Correction: 1. Adjust width of magazine to ensure free movement of follower

Bolt closes hard over cartridge (Close Hard)

Cause: 1. Bolt interferes with cartridge rim  
2. Extractor interferes with cartridge rim  
3. Ejector binds  
4. ISS locked

Correction: 1. Replace bolt head  
2. Replace extractor  
3. Remove ejector and ream ejector hole or replace ejector  
4. Unlock ISS

Bolt fails to extract cartridge case from chamber (Fail to extract)

Cause: 1. Rough or dirty chamber  
2. Extractor deformed or broken  
3. Extractor binds

Correction: 1. Clean and ream chamber  
2. Replace extractor  
3. Replace extractor and/or bolt head

Bolt fails to eject cartridge case from receiver (Fail to extract)

Cause: 1. Ejector binds  
2. Weak ejector spring  
3. Weak extractor

Correction: 1. Remove ejector and ream ejector hole  
2. Replace ejector spring  
3. Replace extractor

Misfires:

Cause: 1. Damaged firing pin  
2. Firing pin binds  
3. Faulty ammunition  
4. Incorrect head space

Correction: 1. Replace firing pin assembly  
2. Replace firing pin assembly  
3. Replace ammunition  
4. Replace bolt head

Firing pin fails to cock (Follow down)

Cause:

1. Sear binds
2. Trigger binds
3. Damaged firing pin assembly

Correction:

1. Replace receiver insert assembly complete
2. Replace receiver insert assembly complete
3. Replace firing pin assembly

Bolt opens hard:

Cause:

1. Damaged extractor
2. Burr on bolt face
3. Damaged cartridge primer

Correction:

1. Replace extractor
2. Clean and deburr bolt face
3. Clean and inspect chamber, replace ammunition

Bolt slides out of receiver:

Cause:

1. Missing bolt stop
2. Damaged bolt stop
3. Damaged stock

Correction:

1. Replace bolt stop
2. Replace bolt stop
3. Replace stock assembly

Fails primers and/or bulges cartridge cases

Cause:

1. Oversized chamber
2. Incorrect head space
3. Damaged firing pin
4. Faulty ammunition

Correction:

1. Replace barrel assembly
2. Replace bolt head
3. Replace firing pin assembly
4. Replace ammunition

Bolt binds inside of receiver:

Cause:

1. Excessive debris
2. Damaged bolt lugs
3. Damaged receiver insert assembly complete

Correction:

1. Clean and lubricate
2. Replace bolt head

3. Replace receiver insert assembly complete.

**Exploded view parts list**

Balloon number	Part Name	Part Number
1	Firing Pin Assembly	300404
2	Bolt Body Assembly	300403
3	Bolt Assembly Pin	300330
4	Bolt Head	300338
5	Extractor	300489
6	Ejector Spring	300367
7	Ejector	300342
8	Ejector Pin	300493
9	Scope Rail screw (4 req'd)	300495
10	Scope Rail	300441
11	Receiver Insert Assembly	300401
12	Barrel Assembly	305400(30-06)
12	Barrel Assembly	305401(270)
13	Recoil Pad	97973
14	Latch Spring	300398
15	Latch pivot pin	300371
16	Magazine latch	300362
17	Recoil Bracket	300361
18	Stock	300437
19	Sling swivel stud (2 req'd)	300498
20	Rear take down screw	300425
21	Magazine Box	305395
22	Middle take down screw	300500
23	Front take down screw	300499

**<http://www.remington.com/pdfs/m710parts.pdf>**

**Cleaning and Maintenance**

Read the 10 Commandments of Safety before beginning.

To remove the bolt assembly and clean:

1. Point the firearm in a safe direction.
2. Put the safety switch in the "S" position.
3. Do not touch the trigger while moving the safety switch.
4. Raise the bolt handle.
5. Rotate bolt stop counter-clockwise to vertical position.
6. Pull the bolt handle all the way back.
7. Slide the bolt from the firearm.
8. Remove the bolt assembly from the firearm.
9. Check the chamber to make sure it is empty.
10. Rotate bolt plug clockwise 1/8" of a turn and remove the firing pin/bolt plug assembly. Note: When the firing pin is removed from the bolt assembly, the bolt head pin can be removed and the bolt head and bolt body can be separated.
11. Hold the bolt assembly and turn the bolt plug counter clockwise until the firing pin assembly can be removed from the bolt assembly.  
Caution: Clean the firing pin assembly as a unit. Do not disassemble firing pin assembly.
12. Clean all parts with gun cleaning solvent. Dry with a clean cloth.
13. Apply a thin coat of Rem-Oil.

To clean the barrel:

Warning! Check the chamber and magazine to make sure there are no cartridges in the firearm.

1. Use the equipment provided in a good cleaning kit. For recommendations, see your Remington Authorized gunsmith.
2. Remove the bolt assembly.
3. Select the correct caliber cleaning brush and attach the brush to the cleaning rod.
4. Put the cleaning brush into the gun cleaning solvent.

Note: Barrel should lay horizontally with the ejection port facing down during cleaning. Always clean the barrel from the chamber end to the muzzle.

5. Push the cleaning brush through the barrel several times.
6. Remove brush from rod, attach tip with patch, and push through the bore.
7. Repeat several times, using a new cleaning patch each time, until the patch is not dirty.
8. Push a clean patch saturated with Rem Oil through the barrel.
9. Push a clean dry patch through the barrel to remove excess lubricant.
10. Apply a thin coat of Rem Oil to the outside of the barrel with a soft clean cloth.
11. After cleaning the barrel, clean the receiver and the trigger assembly.

WARNING! This firearm should be checked periodically by the Remington Arms Company, Inc.

To clean receiver and trigger assembly:

1. Put the safety mechanism in the "S" position.
2. Remove the bolt assembly.
3. Turn the rifle upside down.
4. Remove the stock screws
5. Lift the stock away from the receiver and trigger assembly.

Note: clean and lubricate the receiver and trigger assembly as a unit. Do not remove the trigger assembly from the receiver.

6. Thoroughly spray the receiver inside and out with Rem Action Cleaner and allow to dry.
7. Thoroughly spray inside the trigger assembly with the Rem Action Cleaner at the four points specified in picture 15 page 11 of your owner's manual.
8. Place the safety in the fire "F" position. Pull the trigger rearward and release multiple times.
9. Pull and hold the trigger rearward. Then using a small screwdriver, depress the sear and release multiple times.
10. Release the trigger and operate the safety from the "F" to the "S" position multiple times.
11. Again thoroughly spray inside the trigger assembly at the four points specified in picture 15.
12. Air dry or use compressed air to thoroughly dry the trigger assembly.
13. Place a drop of Rem Oil in each of the four points in the trigger assembly specified in picture 15.
14. Place the safety in the fire "F" position. Pull the trigger rearward and release multiple times. Ensure the trigger returns completely to the forward position each time. If the trigger does not completely return, reassemble the rifle and return it to a Remington Authorized Service Center.

To clean the magazine assembly:

Detachable magazine

1. Depress the magazine latches inward and pull the magazine down.
2. Spray RemAction cleaner in the assembly until the liquid runs out clear.

Floorplate:

1. Depress the floor plate latch to release the floor plate.
2. Spray RemAction cleaner in the assembly until the liquid runs out clear.

To clean the stock:

1. Remove the barrel assembly by removing the front and rear guard screws. See schematic for visual.
2. To clean a synthetic stock, dampen a cloth with warm soapy water and wipe clean.

3. To clean a wood stock, dampen a cloth with RemOil and wipe clean.

To clean barrel assembly:

1. Select the correct caliber nylon or brass cleaning brush and attach the brush to the cleaning rod.
2. Put the cleaning brush into the gun cleaning solvent.  
NOTE: Barrel should lay horizontally with the ejection port facing down during cleaning. Always clean the barrel from the chamber end to the muzzle.
3. Push the cleaning brush through the barrel several times.
4. Remove brush from rod, attach tip with patch, and push through the bore.
5. Repeat several times, using a new cleaning patch each time, until the patch is not dirty.
6. Push a clean patch saturated with Rem Oil through the barrel.
7. Push a clean dry patch through the barrel to remove excess lubricant.
8. Apply a thin coat of Rem Oil to the outside of the barrel with a soft clean cloth.

#### Cleaning Frequency

- Before and after long term storage
- When the rifle has been subjected to adverse conditions such as shooting in the rain, snow, sleet or saltwater areas
- When the rifle is exposed to dirty conditions such as lying on the ground outdoors, being dropped in mud, etc.

#### Owner's Manual

[http://www.remington.com/pdfs/om/om\\_7700710.pdf](http://www.remington.com/pdfs/om/om_7700710.pdf)

#### Schematic

Insert link to schematic

#### RAMAC numbers

27408 - .270 Win. 22" bbl length 42 1/2" overall length

Weight 7 1/8 lbs (average)

Stock: gray synthetic, matte finish

Barrel: ordnance-grade steel, matte finish

Barrel rate of twist: 1 turn in 10 inches

27410 - .30-06 Springfield 22" bbl length 42 1/2" overall length

Weight 7 1/8 lbs (average)



Stock: gray synthetic, matte finish  
Barrel: ordnance-grade steel, matte finish  
Barrel rate of twist: 1 turn in 10 inches

Suggested retail \$425.00

[http://www.remington.com/firearms/centerfire/fi\\_710.htm](http://www.remington.com/firearms/centerfire/fi_710.htm)

Ballistic / rifle

Recommended game codes:

V = varmint  
Tg = target  
D = deer  
OP = open plains  
M = medium game  
LG = large game  
SG = safari game

<http://www.remington.com/support/hunting.htm>

Ballistic Chart:

<http://www.remington.com/ammo/ballistics/ballistics.htm>

Authorized Repair Centers

<http://www.remington.com/repairsvc/modelselection.asp>

Wal-Mart Repair Centers

<u>Name/Address</u>	<u>Contact</u>	<u>States Covered</u>
Sports Work 5800 S. Lewis, Suite 154 Tulsa OK 74105	T.L. Denton 918-742-4027	OK, TX, AR, LA, KS MO, NM, CO
Allison & Carey 17311 SE Stark Portland OR 97233	Jeff Thompson 503-256-5166	WA, OR, CA, NV, AZ ID, UT, AK
Jack First, Inc. 1201 Turbine Drive Rapid City SC 57701	Scott Cramer 605-343-8481	MT, WY, ND, SD, NE, MN, IA
MH Shahoud Enterprises	Gunsmith	WI, MI, IL, IN, OH, WV

9364 Elm St.  
Chadwicks NY 13319

315-737-4272

VA, KY

Gunsmith Limited  
57 Unquowa Road  
Fairfield CT 06430

Mitch Schultz  
203-254-0436  
203-254-1535 fax

CT, DE, NJ, ME, NH,  
NY, PA, VT, MA, RI,  
MD

Walker Arms, Co  
499 Country road #820  
Selma AL 36701

Ramsey Knight  
334-872-6231

TN, MS, AL, GA, NC  
SC, FL

Other Models by Caliber

[http://www.remington.com/firearms/centerfire/cf\\_calibers.htm](http://www.remington.com/firearms/centerfire/cf_calibers.htm)