APPENDIX C

DATA SHEETS

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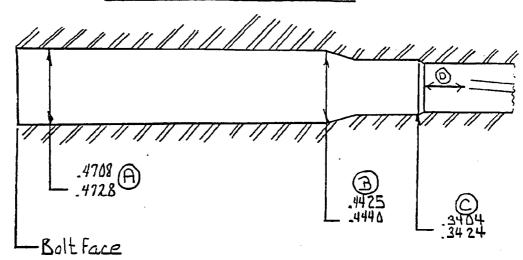
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#### 30-06 CAL. CHAMBER MEASUREMENTS



# REMINGTON M/700 -#11

A- .4700" B- .4430" C- .3410" D- .2190"

#### BROWNING BBR - #21

A- .4730" B- .4450" C- .3420" D- .0900"

#### WINCHESTER M/70XTR -#31

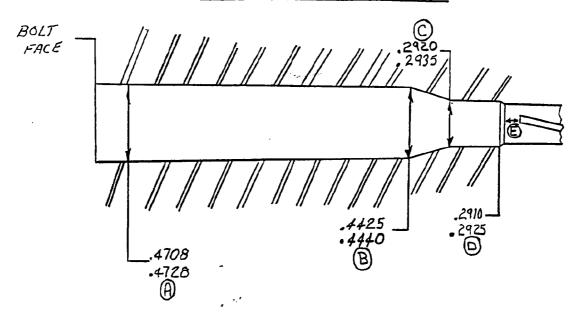
#### SMITH & WESSON M/1 500- #41

#### RUGER M/77 - #51

A- .4690" B- .4440" C- .3430" D- .1270"

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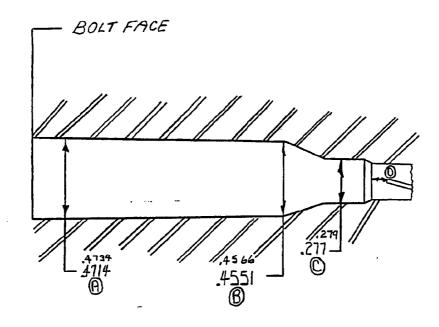




#### BROWNING BBR - #24

A- .471 0"
B- .4450"
C- .2930"
D- .2920"
E- .1750"

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#### RMEINGTON M/700 - #14

A- .4710" B- .4550" C- .2790" D- .1580"

# WINCHESTER M/70XTR - #24

A- .4740" B- .4560" C- .2770" D- .0670"

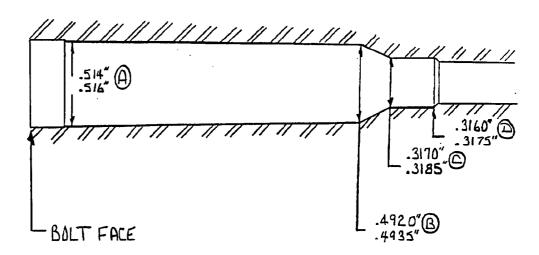
#### SMITH AND VESSON M/1500 - #44

A- .4730" B- .4570" C- .2780" D- .1100"

# RUGER M/ 77 - #54

A- .4740" B- .4580" C- .2780" D- .2280"

#### 7MM MAG. CHAMBER MEASUREMENTS



#### REMINGTON M/700 -#15

A- .5145" B- .4930" C- .3165" D- .3180"

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#### BROWNING BBR\_ #25

.5150" .4930" .3170" .3180" B-C-

#### WINCHESTER M/70XTR- #35

A- .5180" B- .4950" C- .3200"

.3170"

## SMITH & WESSON M/1500 - #45

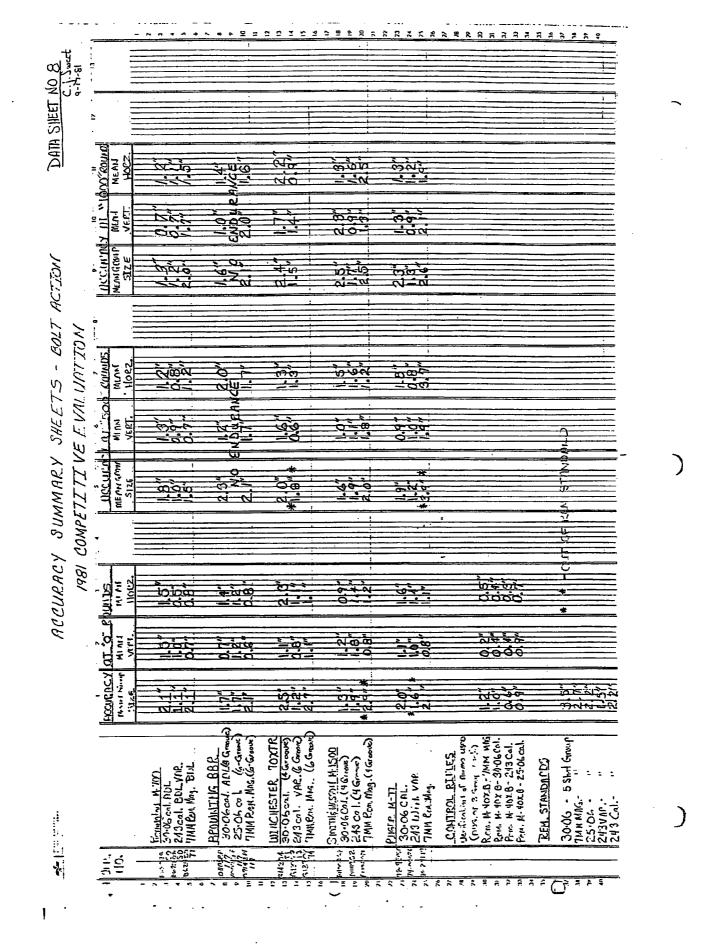
•5150" •4940" B-C- .3200" **.**3180" D-

#### Ruger M/77 - #55

.5140" .4910" A-B-.3190" .3190" C-

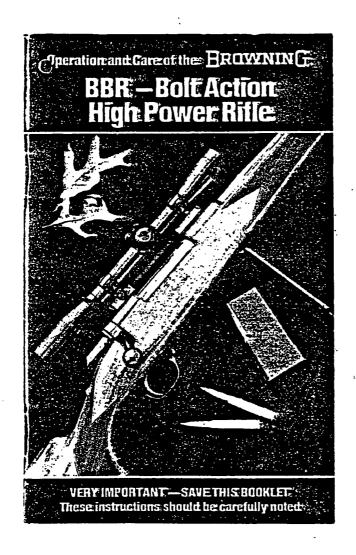
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APPENDIX D

INSTRUCTION MANUALS

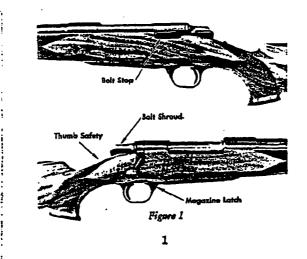


# BROWNING

#### BOLT ACTION HIGH POWER RIFLE

#### NOMENCLATURE

In conventional gun terminology the position and movement of gun parts are described as they occur with the gun horizontal and in normal firing position; i.e., the muzzle is forward or front; the butt stock is rearward or rear; the trigger is downward or underneath; the sights are upward or on top. For general nomenclature refer to Figure 1.



#### SERIAL NUMBER

The serial number of your rifle can be und on the side of the receiver.

#### CAUTION

1. ALWAYS OPEN THE BOLT AND ISUALLY CHECK THE CHAMBER AND AGAZINE OF YOUR RIFLE to be certin that it does not inadvertently contain ny ammunition. Whenever you are not actually firing your rifle, keep the safety in he "ON SAFE" position (see page 6) by hidy the safety to the rear so the RED and Adot cannot be seen.

var. g dot cannot be seen.

2. BEWARE OF BARREL OBSTRUCTIONS for the safety of both your rifle and
yourself. Before you load your rifle, open the
bolt. BE SURE NO LIVE ROUND IS IN
THE CHAMBER OR MAGAZINE — then
remove the bolt and glance through the bore
from the chamber end to be sure it is clear

of any obstruction.

Be careful how you carry your rifle. Do not permit the muzzle to dip into mud, snow or water. Do not thrust your barrel through a thicket with the possibility of ramming a twig into the bore. Mud, snow and an infinite variety of other objects may inadvertently lodge in a barrel. It takes only one small obstruction to increase pressures dangerously.

Before the first firing of your rifle, clean the bore using a cleaning rod and patch. Wipe away any anti-rust compounds present in the

action-chamber areas.

Check and double check, frequently. Be sure contact with brush, a tumble on slippery terrain, the moment of excitement after a shot, or a dozen other seemingly innocent incidents have not left you with a rifle, OFF SAFE. Safe gun handling does not stop with your rifle's mechanical safety. It starts there. Handle your rifle at all times with deep respect and with alert consideration to all within its range.

4. ALWAYS KEEP THE MUZZLE OF YOUR RIFLE POINTED IN A SAFE DI-

ALWAYS KEEP YOUR RIFLE'S

Safety in the "On Safe" position

even if you are certain the rifle is unloaded.

4. ALWAYS KEEP THE MUZZLE OF YOUR RIFLE POINTED IN A SAFE DI-RECTION even though you are certain the rifle is unloaded and "ON SAFE." Never point your rifle at anything you do not intend to

shoot.

5. ALWAYS UNLOAD YOUR RIFLE WHEN NOT IN USE. Store your rifle and ammunition separately — beyond the reach

of children

6. DO NOT SNAP THE HAMMER ON AN EMPTY CHAMBER — THE CHAMBER MAY NOT BE EMPTY! Treat every gun with the respect due a loaded gun — even though you are certain the gun is unloaded.

It is unnecessary to snap the hammer to prevent weakening the main spring. It will not weaken even though the hammer is left cocked indefinitely. Neither will snapping the hammer on an empty chamber damage or break the firing pin.

3

7. WHENEVER YOU HAND YOUR 3 CIFLE TO ANOTHER PERSON always pen the boit. Whenever you accept a gun rom another person, open the bolt if it isn't pen, and inspect the chamber and maga-

ine to be sure all live rounds are cleared.

8. BE SURE OF YOUR BACKSTOP. Know the range of your rifle and be certain there is no chance of damage or accident. Never shoot at water or hard objects.

9. FOR EYE AND EAR PROTECTION we recommend that you aways wear shooting classes and hearing protection when shooting.

10. AMMUNITION — Your rifle must

be med only with cartridges of the correct as inscribed on the side of the barrel. The barrel and action of this rifle have been made with large safety margins over the pressures developed by established commercial loads. Nevertheless, Browning can assume no responsibility for incidents which occur through use of cartridges of non-standard dimension or those developing pressures in excess of SAAMI (Sporting Arms and Ammunition Manufacturers' Institute) established standards.

#### ASSEMBLY

1. Clean the anti-rust compound from the barrel, the receiver, and the bolt with a clean rag and light gun oil such as Browning Gun Oil or Browning Liquid Gunsmith.

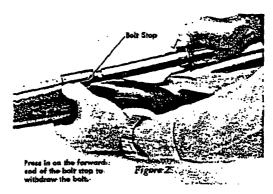
2. In order to insert the bolt the thumb safety must be pushed forward OFF SAFE. Align the forward end of the bolt in the rear opening of the receiver. Push the bolt completely forward and rotate the handle down to lock it. It is not necessary to depress the bolt stop to insert the bolt. Return the thumb safety to the "ON SAFE" position.

The rifle is now completely assembled and

the bolt may be operated normally.

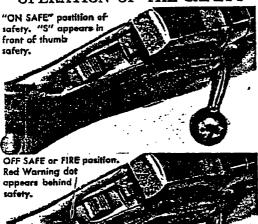
#### TO REMOVE THE BOLT

Verify that there are no cartridges in the chamber or in the magazine. Press in on the forward end of the bolt stop and draw the bolt to the rear completely removing it from the rifle. The bolt stop is the horizontal bar on the left side of the receiver. (See Figure 2.)



5

#### OPERATION OF THE SAFETY



The safety is located on the top tang at the rear of the receiver. When the safety is drawn to the rear, the gun is "ON SAFE" with the trigger blocked and the bolt locked in a closed position. In this position an "S" will appear in front of the safety.

Pigure 3

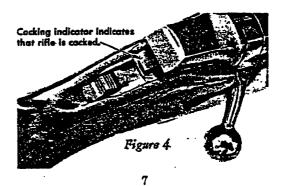
When the safety is pushed forward, the "S" will be covered and a red dot will appear indicating that the rifle is OFF SAFE and ready to fire. Whenever a cartridge is chambered, the rifle should be kept "ON SAFE" until you desire to fire it.

#### TO DRAW THE BOLT REARWARD

CAUTION: The safety must be in the OFF SAFE position, whenever you wish to draw the bolt rearward. Therefore, exercise extreme caution whenever you are operating the bolt. In accordance with gun safety always assume your rifle is loaded, and be sure your muzzle is pointed in a safe direction when you operate the bolt.

#### COCKING INDICATOR

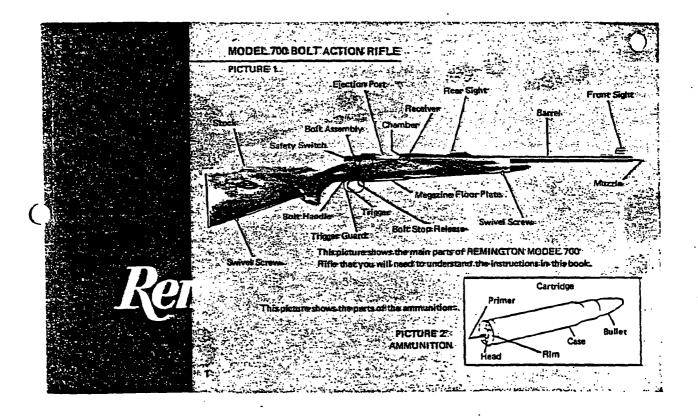
Below the bolt shroud and ahead of the safety will be found a serrated cocking indicator. This indicator is painted red. When the rifle is cocked it may be readily felt and seen. When the rifle is fired, the cocking indicator retracts into the bolt shroud and cannot be felt. (See Figure 4.)



INSTRUCTION BOOK

Model: 700:
Bolt Action,
Center Fire Rifle

Remains State of the Rifle State of the Rifle



### C READ THESE SAFETY RULES

- To use your firearm correctly and safely, read and follow the instructions in the enclosed firearms safety booklet and this instruction book.
- Always keep the muzzle pointed in a safe direction.
- Keep the barrel clean, and free of obstructions.
- Unload firearms when not in use. Keep firearms and ammunition away from children. Lock firearms and ammunition in separate cabinets.
- Unload your firearm before climbing up or over a fallen tree, fence or slippery area.
- Before you pull the trigger, make sure you can see the target clearly, and the path of the bullet beyond the target.
- Never fire at water, rocks, or any hard surface.
- Naver enter a vehicle with a loaded firearm, or put a loaded firearm in a vehicle. Unload the firearm, then put it in a gun case for safe transport.
- Never shoot and drink alcoholic beverages at the same time.
- Check your firearm periodically to make sure it is mechanically correct. Keep the firearm clean.
- Do not play with the safety switch. Use it as shown in this book.

How to druer parts and services
cleaning instructions
how to Load and unload
important parts
safety rules and information

			SAFETY INFORMAT	TION	
		A3.41	SAFETT INFORMA	1101	-
View No.	Part No.			NEVER USE THE WRONG AMMUNITION:	
42 43-	24476 30855 26990		-11	Only use ammunition of the correct caliber, that is in good condition.	
4 <b>4.</b> :				<ul> <li>Before loading, check the caliber shown on the ammunition, and caliber shown on the firearm. They must be the same caliber.</li> </ul>	•
45: 46:	16970 26555 26345	Sto Swi Tri		<ul> <li>Handloads can be dangerous. Remington Arms Company, Inc., is not responsible for accidents or damage caused by badly loaded handloads.</li> </ul>	•
47 48-	15281 26371	= Tri		NEVER MAKE ADJUSTMENTS:	
4*(	<b>'0904</b>	Win		<ul> <li>Do not make changes or alterations to any parts of a firearm.</li> <li>Use only REMINGTON parts.</li> </ul>	•
• .		Ser		<ul> <li>Never make an adjustment to the trigger, or change the shape or size of the sear, sear notch, or other parts.</li> </ul>	
. ;	91837	Ext M	الشينسين	EYE PROTECTION:	
• :	90906 22021	Fire FO	60	Wear safety glasses when using a firearm.	
	22041	Firi		EAR PROTECTION:	
		. Z4	3	Wear hearing protectors when firing to adjust the sights	



#### IMPORTANT PARTS OF THE FIREARM

#### THE SAFETY SWITCH

The safety switch provides protection against accidental or unintentional discharge under normal usage when properly engaged.

To engage the safety switch, put the switch in the "S" position. See picture 3.

Always out the safety switch in the "S" position when the firearm is loaded and not ready for firing.

The bolt handle cannot be lifted when the safety switch is in the "S" position. See picture 3.

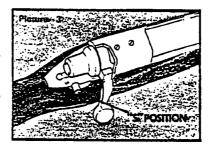
you are ready to fire the firearm, put the safety switch in the "F" position. See picture 4.

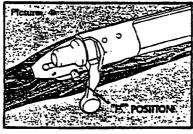
Never pull the trigger when the safety switch is in the "S" Position.

WARNING: The firearm will fire when the trigger is pulled and the safety switch is in the "F" position.



Even when the safety switch is in the "S" position, careless handling can cause the firearm to fire.





HÖW TO ÖRDEH PAHTS AND SEHVICE CLEANING INSTRUCTIONS HOW TO LOAD AND UNLOAD

Part No.

22041

5

#### THE BOLT ASSEMBLY



The bolt assembly locks the cartridge into the chamber.

#### TO INSTALL THE BOLT ASSEMBLY:

1. Point the firearm in a safe direction.

2. Put the safety switch in the "F" position.
3. Align the lugs on the bolt assembly with the receiver. See picture 5.

4. Slide the bolt assembly into the receiver and push

all the way in.

5. To lock the bolt assembly into position push the balt handle down.

#### TO REMOVE THE BOLT ASSEMBLY:

1. Point the firearm in a safe direction.

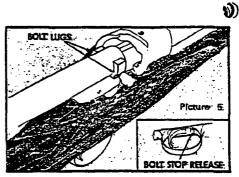
Put the safety switch in the "F" position.

On not touch the trigger while moving the safety switch.

Raise the bolt handle.

Put the safety switch in the "S" position.

6. Pull the bolt handle all the way back.
7. Push the bolt stop release. See picture 5.
8. As you push the bolt stop release, slide the bolt from the firearm.



#### THE TRIGGER ASSEMBLY

Pulling the trigger fires the firearm.

The trigger is adjusted at the factory. All adjustments to the trigger must be made by the factory or a REM-INGTON RECOMMENDED GUN-SMITH.



Never remove the trigger mechanism, or make adjustments to the trigger or trigger assembly.



NEVER put your finger on the trigger unless you are going to fire the firearm,

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#### THE BARREL

The inside of the barrel must be clean and free of obstructions.

#### TO CHECK THE INSIDE OF THE BARREL: ı.

- Point the firearm in a safe direction.
   Put the safety switch in the "F" position.
   Raise the bolt handle.
   Put the safety switch in the "S" position.
   Pull the bolt handle all the way back.
   Remove any ammunition from the chamber or magazine. See page 8.
- Remove the bolt. See page 5.
  Look through the inside of the barrel from the chamber end to the muzzle. See picture 1.

#### TO REMOVE OBJECT FROM INSIDE THE BARREL: 11

- 1. Use the correct size cleaning rod.
  2. Push the cleaning rod from the chamber end all the way through the barrel, until the rod comes out the muzzle.
  3. If an object cannot be easily pushed out of the barrel with a cleaning rod, return the firearm to the factory or a REMINGTON RECOMMENDED GUNSMITH.



NEVER try to remove an object from the barrel by loading another cartridge and firing.

TO CLEAN THE BARREL POLLOW INSTRUCTIONS SHOWN ON PAGE 11.

Before loading the firearm make sure the inside of the barrel is free of dirt, or other objects.

#### TO LOAD THE FIREARM

#### TO LOAD THE MAGAZINE AND CHAMBER:

- Point the firearm in a safe direction.
- Put the safety switch in the "F" position. Raise the bolt handle.
- Put the safety switch in the "S" position.
- Pull the bolt handle all the way back.
- Push four cartridges of the correct caliber, one at a time into the magazine. If the firearm is a magnum, you only load three cartridges. Keep the bullets aligned toward the chamber. See picture 6.
- Put one cartridge into the chamber.
   Use your fingers to push the cartridges in the magazine all the way down. Slowly slide the bolt assembly forward, so that the bolt slides over the top of the cartridges in the magazine.
- 9. Push the bolt handle down.

#### THE FIREARM IS NOW LOADED.

To fire the firearm put the safety switch in the "F" position.

#### THE FIREARM IS READY TO FIRE.

- TO LOAD ONE CARTRIDGE ONLY:

  - Point the firearm in a safe direction.

    Put the safety switch in the "F" position.

    Raise the bolt handle.

  - Put the safety switch in the "S" position.

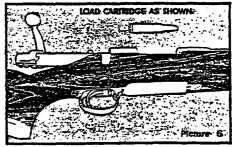
- 5. Pull the bolt handle all the way back,
- Put one cartridge of the correct caliber on the magazine follower, or in the chamber. See picture 6.
- Slide the bolt handle forward, then push the bolt handle down to lock the cartridge into the chamber.

#### THE FIREARM IS NOW LOADED.

8. To fire the firearm put the safety switch in the 'F" position.

#### THE FIREARM IS READY TO FIRE.

WARNING: Always check the cartridge for the correct caliber before loading the firearm.



#### TO UNLOAD THE FIREARM

There are two types of Model 700 rifles, one with a FLOOR PLATE and one without a FLOOR PLATE.

#### INSTRUCTIONS FOR THE MODELS WITH A FLOOR PLATE

- Point the muzzle in a safe direction.
   Put the safety switch in the "F" position. Put the safety switch in the "F" position.
- Raise the boit handle.
- Put the safety switch in the "S" position.
- Put one hand over the top of the ejection port.
- Slowly pull the bolt handle back with your other hand to remove the cartridge from the chamber.
- Hold the cartridge and remove it from the firearm. Put your hand under the floor plate.
  Push the floor plate latch to release the floor plate. See picture 7.
- The magazine spring and follower will be released from the magazine.
- 10. Remove released cartridges.
- 11. Push in the magazine follower, then close the floor

WARNING: Make sure there are no cartridges in the chamber or magazine.

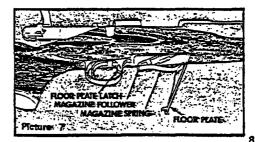
#### INSTRUCTIONS FOR THE MODELS WITHOUT A FLOOR PLATE

- 1. Point the muzzle in a safe direction.
- Put the safety switch in the "F" position.
- Raise the bolt handle.
   Put the safety switch in the "S" position.
   Put one hand over the top of the ejection port.
- Slawly pull the bolt handle back with your other hand to remove the cartridge from the chamber.

- 7. Hold the cartridge and remove it from the firearm,
- 8. Keep the muzzle pointed up, push the bolt handle slowly forward until the cartridge is released from the magazine. CAUTION: The cartridge may slide into the chamber, if the bolt is pushed too far forward. See note below.

  9. Pull the bolt handle fully back and remove the
- cartridge from the ejection port.
- 10. Repeat this action until the magazine is empty. WARNING: Check the chamber and the magazine to make sure there are no cartridges in the firearm.

NOTE: If the bolt is pushed all the way forward, and a cartridgs slides into the chamber, the gun can be fired. Normally, the cartridges will slide out of the chamber when the bolt is pulled back. If the cartridge remains in the chamber, point the muzzle in a safe direction, silde the boit forward all the way and push the boit handle down to lock the boit. Then repest steps 2 through 10 above.



R2510977

/lew F	TO ADJUST THE SIGHTS	POSITION ON TARGET	ADJUSTMENTS ())
42 24 437 30 26: 44 33: 33: 18:	The sights are adjusted at the factory to hit a target at 100 yards. NOTE: For all models except the Varmint and Classic Grade.	Bullet hits above the center.	a. Loosen the elevation screw on the rear sight. b. Slide the rear sight down (backward) on the ramp. c. Tighten the elevation screw.
169 45 269 46 269 150 150 269 499 905	TO ADJUST THE REAR SIGHT  Move the rear sight in the same direction as you need to move the builet on the target.  REAR SIGHT APERTURE  WINDAGE SCREW	Bullet hits below the center.	a. Loosen the elevation screw on the rear sight.  b. Slide the rear sight up (forward)  on the ramp.  c. Tighten the elevation screw.
918	EEAR SIGHT SLIDE: ELEVATION: SCREW PICTURE EE	Bullet hits to the left.	a. Loosen the windage screw on the rear sight. b. Slide the rear sight aperture to the right. c. Tighten the windage screw.
220	NOTE: For more information on ballistics and trajectory, see the REMINGTON catalog.  TELESCOPIC SIGHTS  The top of the receiver has holes for the installation of telescopic sights.	Builte hits to the right.	a. Loosen the windage screw on the rear sight, b. Slide the rear sight aperture to the left. c. Tighten the windage screw.

#### TO ASSEMBLE THE SLING STRAP

See picture 9 for the location of parts:

- 1. Slide the strap through the band.

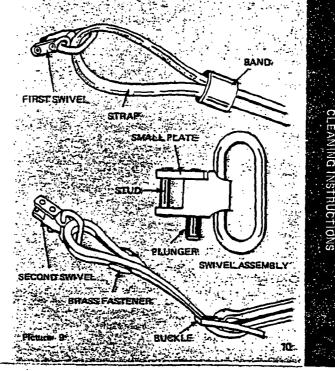
- Push the strap up through the first swivel.
  Slide the strap back through the band.
  Push the strap into and through the buckle. Push the strap down and through the second
- swivel.

  6. Align the slots in the strap and fasten with the brass fastener.
- TO ATTACH THE SLING STRAP ASSEMBLY TO THE STOCK.

- See ... ure 9 for location of parts:
  7. Push plunger on swivel until the small plate lifts and is free of the stud.
- Push the stud into the center of the swivel screw.
  Close the plate on the swivel to lock the swivel
- to the swivel screw.

  To adjust the length of the strap, pull the strap
- through the buckle.

TO REMOVE THE SLING FROM THE STOCK To remove the sling strap assembly from the stock repeat step 7.



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#### **LUBRICATION AND MAINTENANCE**



#### TO CLEAN THE BARREL

WARNING: Check the chamber and  $% \left( 1\right) =0$  make sure there are no cartridges in the firearm.

- 1. Use the instructions and the equipment provided in a good cleaning kit.
- 2. Remove the bolt assembly. See page 5.
- Select the correct caliber cleaning brush and attach the brush to the cleaning rod.
- 4. Put the cleaning brush into the gun cleaning solvent.
- Push the cleaning rod through the barrel several times. NOTE: Always clean the barrel from the chamber end to the muzzle.
- 6. Push the correct cleaning patch through the bore.
- Repeat several times using a new cleaning patch each time, until the patch is not dirty.
- 8. Apply a thin cost of oil to the outside of the barrel with a soft cloth.
- Clean the varmint models with a wire brush and cleaning patches after firing 25 cartridges.

WARNING: Before you replace the bolt assembly, make sure the barrel is free of obstructions.

WARNING: This firearm should be checked periodically by The Remington Ams Company Inc. or a REMINGTON RECOMMENDED GUNSMITH. This will insure proper inspection and any necessary replacement of worn or damaged perts.

11

#### INSTRUCTIONS FOR CLEANING THE BOLT ASSEMBLY

#### TO DISASSEMBLE THE BOLT FOR CLEANING

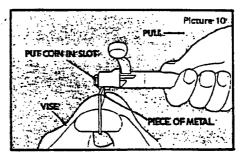
- 1. Remove the boit assembly from the firearm, See page 5.
- Put the notch on the firing pin head over a metal edge. Pull the bolt assembly away from the firing pin. A coin can be put into the slot near the back edge of the firing pin head. See picture 10.

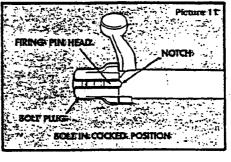
.fold the bolt assembly and turn the bolt plug until the firing pin assembly can be removed from the bolt assembly. CAUTION: Clean the firing pin assembly as a unit.

- Clean all parts with gun cleaning solvent. Dry with a clean cloth.
- 5. Apply a thin coat of oil to prevent rusting.

#### TO ASSEMBLE

- Put the firing pin assembly into the rear of the boit assembly.
- Tighten the bolt plug into the bolt assembly with your hand.
- 3. Pull the coin from the slot in the firing pin head.
- 4. Turn the bolt plug until the firing pin head goes into the small notch on the rear rim of the bolt. The bolt is now cocked. See picture 11. NOTE: The bolt must be cocked to be assembled into the rifle.
- 5. Assemble the bolt assembly into the rifle. See page 5.





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HOW TO OHDEH ÞÁHTS ANÐ SERVICE CLEANING INSTHUCTIONS

#### TO CLEAN THE ACTION

- Remove the bolt assembly, See page 5.
   Turn the rifle upside down.
   Remove the screws from the trigger guard. See picture 12, or picture 13.
- 4. Lift the stack away from the action.
  - NOTE: MODELS WITHOUT A FLOOR PLATE: Remove the magazine spring and follower from the magazine.
  - NOTE: MODELS WITH A FLOOR PLATE: Remove the magazine spring and follower from the
- 5. Clean the action with a gun cleaning solvent and dry vith a cloth.
  Apply a thin cost of oil to prevent rust.
- TO ASSEMBLE THE MODELS WITHOUT A FLOOR
- 1. Put the magazine follower and the spring into the maga-
- zine.

  2. Put the stock over the action.

  3. Replace and tighten the screws on the trigger guard.

  4. Replace the bolt assembly.
- TO ASSEMBLE THE MODELS WITH A FLOOR PLATE

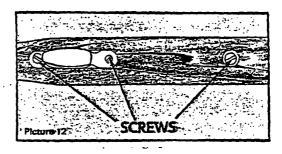
  1. Put the magazine all the way into the bottom of the receiver.
- receiver.

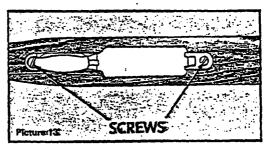
  2. Assemble the trigger guard assembly on the stock.

  3. Put the stock over the action.

  4. Replace and tighten the trigger guard screws.

  5. Replace the bolt assembly.





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# $oldsymbol{0}$ how to order parts from the remington factory

#### TO ORDER PARTS:

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- 1. Use the picture on page 15 to find the correct part name and number.
- 2. Write the model and serial number of your firearm, and the part name and number on the parts order,
- 3. Send parts order to:

Arms Service Division Remington Arms Company, Inc. llion, New York 13357

I. We can ship your order on a C.O.D. basis or provide an estimate of your required remittance.

NOTE: Boits, barrels or receivers for centerfire rifles, pistols and rimfire rifles are not sold separately Repairs or replacements for these parts must be done by Remington Arms Company, Inc. Barrels and boits for shotguns are available as parts.

WARNING: Use only Remington parts in Remington firearms.

#### TO ORDER FACTORY SERVICE:

Write a short description of the problem.

1. Give the model and serial number. Make a copy of this note. Attach the original note to the firearm, and put the copy in an envelope attached to the outside of the shipping box.

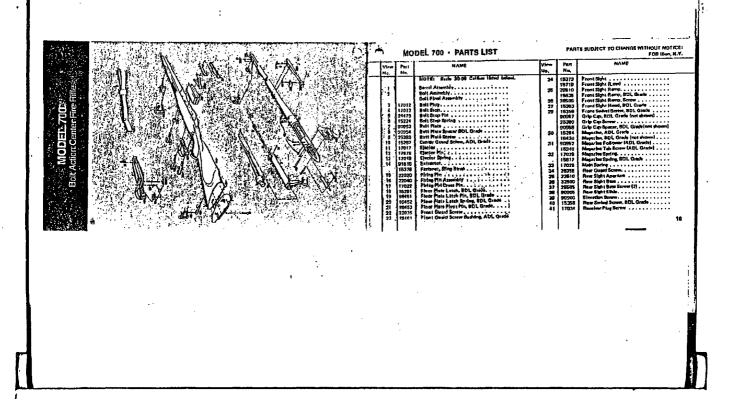
- Make sure the gun is unloaded. Never include any ammunition in the package with the firearm.
- 3. Send by either United Parcel Service or Parcel Post. NOTE: Make sure the gun is unloaded, and there is no ammunition in the box.
- 4. Get insurance for the firearm.
- 5. Record serial number, it is required when calling factory to inquire if firearm has been received for repairs.

#### INSTRUCTION BOOKS:

To get instruction books for any Remington firearm, write to Remington Arms Company, Inc., Arms Service Division, Ilion, New York 13357. Give the model, serial number, gauge or caliber.

#### REMINGTON RECOMMENDED GUNSMITHS:

A listing is available from Remington Arms Company, Inc., 939 Barnum Avenua, Bridgeport, Conn. 06602.



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	NAME	Bord Live pure and lived before  Bert Atarewly Front Easy Bank Front Easy Bank Front Easy Bank Good Bank Good Bank Front Easy Front Stock Atarewly, 222 Bank Front Fro		
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# **INSTRUCTION MANUAL**

for

# RUGER

# M-77° BOLLACTION RIFLE



A COPY OF THE INSTRUCTION MANUAL FOR EACH MODEL RUGER FIREARM IS AVAILABLE FROM THE FACTORY ON REQUEST.
THESE INSTRUCTION MANUALS CONTAIN IMPORTANT WARNINGS WHICH SHOULD BE UNDERSTOOD BEFORE USING THESE FIREARMS.

# STURM, RUGER & Company, Inc. SOUTHPORT, CONNECTICUT 06490 U.S.A.

RUGER FIREARMS ARE DESIGNED AND MANUFACTURED IN RUGER FACTORIES IN THE UNITED STATES OF AMERICA.

D5/42/11-77

#### **GENERAL**

All Ruger firearms are designed by our own engineers and are manufactured entirely in our own factories located in the United States. We do not purchase actions or market the products of other manufacturers and, as a result, our firearms offer exclusive advantages to the modern sportsman.

Particular attention is paid at all phases of design and manufacture to insure safety, reliability and metallurgical integrity.

The long spring type of extractor has never been surpassed for reliability in a bolt action rifle and reduces to a minimum the necessary protrusion of the cartridge from the end of the breech.

Magazine capacity is 5 rounds (3 rounds with magnum cartridges.)

The RUGER M77 is fitted with a thoroughly seasoned, hand-checkered stock of genuine American Walnut which is mounted to the barrel-receiver assembly by means of the new (Patented) RUGER diagonal front-mounting-screw System.

The safety is of sliding shotgun type located on the tang. The trigger is adjustable for weight of pull.

#### WARNING

Never aim at anything which you do not wish to shoot. Always keep the muzzle pointing in a safe direction. Be sure of your backstop or direction of fire before shooting.

#### LOADING AND UNLOADING

- A. Loading the magazine Open the breech by lifting the bolt handle and pulling the bolt rearwardly until it stops against the bolt stop. Load cartridges directly into the magazine.
- B. Loading the chamber After loading the magazine, push the bolt handle forward, stripping a cartridge from the magazine and pushing the cartridge ahead of the bolt into the chamber. Close and lock the bolt.

  To single-load, place a cartridge directly into the chamber, close and lock the bolt. If there are cartridges in the magazine, depress the top cartridge until the bolt face is well ahead of the rims of the cartridges in the magazine.
- C. Unloading the chamber and magazine Unlock the bolt and pull to the rear, to eject chambered cartridge. Leave bolt open. Push forward the small latch in the front of the trigger guard to open the hinged floorplate and release the cartridges in the magazine. Hold the other hand under the floorplate so as to retard the opening of the spring loaded floorplate and catch the cartridges.

AMMUNITION: This firearm has been proof-tested with special test ammunition which conforms to American Industry Specifications. It is intended for use only with standard ammunition of the proper caliber which conforms to Industry Specifications. We specifically disclaim responsibility for any damage or injury whatsoever occurring in connection with the use in this firearm of faulty or non-standard or hand-loaded ammunition.

WARNING

Be certain that you have the correct caliber ammunition for your rifle, and that the chamber and bore are clear of any obstruction including grease or excessive oil.

In using this, or any other center-fire rifle, it is important that the primer of every cartridge be seated flush with, or below, the surface of the shell base. There is a remote danger that a protruding primer could be discharged prematurely by the closing of the breech mechanism.

#### **OPERATION OF SAFETY\***

The safety may be engaged only when the bolt is fully locked. Engagement of the safety holds the bolt securely locked.

The cocking piece protrudes noticeably from the rear of the bolt when cocked and serves as a cocking indicator which can be felt as well as seen.

To be properly cautious, the safety should always be engaged except when prepared to fire at the target. Never depend on the safety or any mechanical device to justify careless handling. Always keep the muzzle pointed in a safe direction.

#### WARNING

\* When engaging the Safety (by sliding it to the rear), be sure that it is moved all the way to its extreme rearward position. There is an extra resistance to the Safety movement about half-way back and this should not be confused with the true Safety position. The letter "S" should be clearly visible.

#### TRIGGER ADJUSTMENT

The trigger adjustment screw (engagement) is preset at the factory to provide a recommended minimum scar engagement. The safety is fitted after this adjustment is made. Accordingly, the trigger adjustment screw (engagement) should not be moved by the owner as it is intended to be a factory adjustment only.

The minimum weight of pull is established by the trigger return spring (Part #D49) and this spring should not be modified. The weight of pull can be increased, beyond this minimum, if desired, by tightening adjustment screw (pull) (Part #D43 — see Fig. I-B).

The trigger over-travel adjustment has been set to a minimum at the factory and further adjustment should not be made.

#### TELESCOPE MOUNTING RING ASSEMBLY

Each Ruger telescope ring is a mated assembly of a top and a base. Do not mix the parts of the two ring assemblies as they are not interchangeable.

On the underside of each mounting ring assembly there is an integral lug, located off center with respect to the front and back sides of the mount. The lug is nearer to the front surface. By reference to the lug, the mounting ring can be correctly assembled with the front of the ring toward the muzzle of the rifle.

Disassemble one ring and reassemble over the scope body between the turret and the eyepiece. (Note: High ring goes on rear mount. Low ring on front mount.)

Install the four top screws. Do not tighten.

Disassemble the other ring and install it on the forward section of the scope tube with the lug forwardly also. Install the four top screws. Again, do not tighten.

Assemble the rings to the receiver with the lugs engaging the recesses in the top surface of the receiver. Tighten the clamp nuts so that the rings are locked to the semi-circular cuts on the sides of the receiver. Rotate the scope until cross-hairs are aligned properly, and slide scope to desired eye relief.

Then tighten the eight top screws each a bit at a time to grip the scope body. Sight in according to the directions with your scope.

#### DISASSEMBLY

- 1. Check to ensure that chamber and magazine are clear of ammunition.
- To remove bolt: Open bolt and pull to the rear while at the same time pivoting open the bolt stop (located on the left side of the receiver). Remove bolt from gun.
- To remove firing pin assembly from bolt: With bolt closed in the receiver and firing pin cocked, insert a small pin (or suitable nail) into the hole (see Fig. 1-A) which is visible on the bottom of the cocking piece, Remove bolt from the action.
  - Unscrew firing pin assembly and remove from bolt. (Coutlon: Do not remove the restraining pin until firing pin assembly is reassembled into bolt and bolt closed in the action.) Further disassembly of the firing pin assembly is not
- To remove stock: Open floor plate. Remove the three screws. Remove trigger guard and floorplate hinge assembly. Remove magazine box. Lift barrel/ action assembly from stock.
- In the event that further disassembly is required, do not disturb the trigger adjustment screw (engagement) (Part #D22) or the trigger adjustment screws (over travel) (Parts #D45 and #D44).

#### \* WARNING

The firing pin assembly is intended to be a permanent assembly and is not designed to be disassembled. The parts are under great spring pressure and if disassembled could fly apart with sufficient force to cause injury. In any event, special tools are required to correctly reassemble this part.

#### REASSEMBLY

1. To replace bolt: Place safety in its off position. With bolt handle in an upward position and bolt head away from you, align the extractor with the

- right hand looking lug. Align the looking lugs with the channels in each side of the rear of the receiver and partially insert. Pivot open the bolt stop. Push bolt fully forward, Release bolt stop.
- To reassemble firing pin assembly into bolt: Screw firing pin assembly fully
  into bolt. Replace bolt in action, taking care to align the flat on the bottom
  of the cocking piece with the cocking piece channel in the tang. Close bolt.
  Remove restraining pin.
- 3. To replace stock: Place barrel/action assembly back into stock. Replace magazine box. Replace trigger guard and loosely install screws. Install floorplate hinge assembly and firmly tighten screw (this screw is angled and draws the action and barrel back into the bedding surfaces of the stock). Tighten the two trigger guard screws, snugly.

#### CARE AND CLEANING

The mechanism should be lubricated with light machine oil or gun oil. Do not oil too heavily. As a rust prevention measure, all surfaces, including the bore of the barrel, should be wiped with oil after use. Do not flood the bore with oil. A comprehensive field-cleaning is not required more than once a season or unless obviously necessary. The purpose of such cleaning is only to remove powder residue from internal components or as a rust prevention procedure in the event that the gun has been soaked or submerged in water.

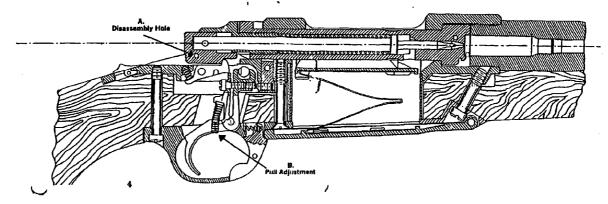
#### SERVICE POLICY

Before shipment every Ruger firearm is carefully inspected and test-fired in order to prove that it is in perfect condition and conforms fully to our specifications and standards. If there is any question with regard to the performance of the rifle, please write to our Service Department, fully describing all circumstances and conditions involved.

If you should states were all the service of the rifle of

If you should return your rifle for repair or order parts, please comply with the following suggestions for prompt service:

(Cont'd - Page 6)



### SERVICE POLICY (Cont'd)

#### PARTS:

1. All parts orders should be sent to:
Sturm. Ruger & Co., Inc., Product Service Dept., Newport, New Hampshire 03773
2. Please send remittance with order for parts. Because of handling costs, we cannot accept orders for parts for less than \$1.00.

8. Order parts by both name and number.

#### FIREARMS:

1. Ruger Model 77 Ilifles returned for service should be sent to: Sturm, Ruger & Co., Inc., Product Service Dept., Newport, New Hampshire 03773.

- 2. Rifles shipped to factory should be sent prepaid. We will not accept collect shipments.
- 3. For best repair service, always enclose letter furnishing serial number and Model of rifle. Also, state nature of trouble experienced or of work desired. (Merely stating "defective" or "repair" is inadequate information.) Please enclose copies of any previous correspondence.
- 4. Work performed will bear a net minimum labor charge of \$5.00. The charge for re-bluing is \$15.00, which includes labor.
- 5. Federal regulations must be complied with when shipping any firearm. In certain states and under certain regulations, it may be impossible for us to return a repaired firearm to an individual. It is therefore most strongly recommended that all firearms sent to us for repair, be sent through a federally licensed dealer!

### WARNING

Check chamber before shipping frearm. If frearms are sent to us in a loaded condition, we must notify Federal authorisies.

Please do NOT send to our factory your scope or rifle case with the firearm being sent to us for repair.

#### RETAIL PARTS LIST

Part No.	Description	Price .	
		\$45.00	
D-3	*Barrel (only) (specify caliber)	5.75	•
***D-66	Barrel Band	.50	
***D-86B	Barrel Band Screw (not illus.)	25.00	
D-10	*Bolt (only)	1.25	
D-35	Bolt Lock	1.23	
D-53	Bolt Stop	6.00	
D-56	Bolt Stop Plunger	.50	
D-57	Bolt Stop Plunger Spring	.25	
D-59	Bolt Stop Plunger Spring Retaining Pin	.25	
D-54	Bolt Stop Screw Stud	,50	
D-55	Bolt Stop Stud Bushing	.25	-
	Ejector 4	1.00	
D-8.	Ejector Retaining Pin	.25	
D-41	Cleates Cosins	.25	
D-9	Ejector Spring	7.00	
**D-14	Extractor	2.00	
4*D-15	Extractor Band	10.00	
*D-11	Firing Pin (assembly only)	4.00	
**D-5	Floor Plate		
D-7	Floor Plate Hinge	3.00	
Ď-6	Floor Plate Pivot Pin	.25	
***B-51	Forend Escutcheon (2 req'd) (not illus.)	,25 (each	,
++D-27	Manazine Roy	3.00	
D-127	Magazine Box Assy. (.220 Swift only)	5.00	
D-1127	6		

**D-30 D-31 D-40 D-32 **D-33 C-97 C-107 C-96 D-1 D-46	Magazine Follower (stainless steel) Magazine Latch Magazine Latch Pin Magazine Latch Spring Magazine Spring Pistol Grip Cap Pistol Grip Cap Medallion Pitol Grip Cap Screw Receiver Receiver, Mounting Screw (front) Receiver, Mounting Screw (rear) Recoil Pad Recoil Pad Recoil Pad Screws (2)	6.00	
Ď-3 ĺ	Magazine Latch	2.00	
D-40	Magazine Latch Pin	.25	
D-32	Magazine Latch Spring	.25	
++D-33	Magazine Spring	2.00	
C-97	Pistol Grip Cap	1.50	
C-107	Platol Grip Cap Medallion	1.50	
C-96	Pistol Grip Cap Screw	.25	
D-1	Receiver	not offered	
D-1 D-46 D-47 D-48 S-63	Receiver, Mounting Screw (17011)	1.00 .50	
D-47	Receiver, Mounting Screw (center)	.25	
D-48	Receiver, Mounting Screw (rear)	5.00	
2-03	Panell Bad Commer (2)	.50	
D 10	Recoil Pad Screws (2) Safety Button Safety Link Safety Shaft Assembly Safety Spring Sear Sear Pivot Pin	3,00	
D-30	Salety Button	3,50	
D-37	Cafety Chaft Assembly	3,00	
D-30 D-37	Safety Suart Assembly	2.25	
D-37	Selecty Spring	4 00	
D-23 D-43	Coor Divot Din	7.50	
D-42	Sear Chrise	25	
D-24 D-71	Coope Rice Assembly (CTD )	15.00	/nair
D-71	Scope Ring Assembly (STD.)	15.00	You'r
D-7111	Scope King Assentory (mgn)	2.00	Zeacl
D-74	Scope Ring Clamp	1.00	) aci
D-73	Scope Ring Put	1.00	(eacl
D-70	Stope (Geont) Plumas	25	(ono
D-00	Sight (front) Physics Coring	.25	
D-09	Sight Dose (front)	ร.กัก	
T D 70	Cight Dass (front) Cat Corau	9.00	
D-70	Sight Blade (front)	วกัก	
677	Sight (rear) Folding Complete	100	
9*D-60	Sight (react Bose Cinity	500	
D 20	Gight Rose (rear)—Center Screw	50	
255	Cight Bare (rece) Page Corett	50	
1) 924	Williams Cib Lock (sight clamp rear)	50	
17037	Corau Bor Dark MD RTA	25	
D-83D	Cling Curical Broat Corew With Not	้รัก	
D-00 D-87	Cline Swivel Bear Mounting Stud	.50	
**D-3/	Stock (complete with and & checkered)	รถกัก	
***D.106	Stock Cross Roll (not illus)	1.00	
**** 107	Stock Cross Bolt Nut (not illus)	1.45	
***ID-104	Stock Reinforcement Assy (not illus.)	6.00	
***D-70*	Stock Reinforcement Screw (not illus)	35	
D.2	Tripper Guard	8.00	
<b>5</b> .20	Tripper	5.00	
D-22	Tripper Adjustment Screw (engagement)	1.00	
D.43	Trigger Adjustment Screw (weight of pul	1) .25	
Ď-45	Trigger Adjustment Screw (over travel)	.25	
Ď-44	Trigger Adjustment Set Screw (over trave	n .25	
D-25	*Trieger Housing	4,00	
Ď-26	Trigger Housing Cross Pin	.25	
Ď-ŽĬ	Trigger Pivot Pin	.25	
D-49	Trigger Return Spring	.25	
D-51	Trigger Return Spring Seat	,Šŏ	
	TO COME TO THE PERSON OF THE P		
*Must be fitt	Recoil Pad Screws (2) Safety Button Safety Link Safety Shaft Assembly Safety Spring Sear Pivot Pin Sear Spring Scope Ring Assembly (STD.) Scope Ring Assembly (high) Scope Ring Assembly (high) Scope Ring Assembly (high) Scope Ring Screw Sight (front)—Plunger Sight (front)—Plunger Spring Sight Base (front)—Set Screw Sight (front)—Plunger Spring Sight Base (front)—Set Screw Sight Blade (front) Sight rear)—Center Screw Sight Base (rear)—Center Screw Sight Base (rear)—Rear Screw Williams Gib Lock (sight clamp rear) Screw For Part #TD-B3A Sling Swivel Front Screw With Nut Sling Swivel Front Screw With Nut Sling Swivel Rear Mounting Stud Stock (complete with pad & checkered) Stock Cross Bolt (not illus.) Stock Reinforcement Assy, (not illus.) Stock Reinforcement Screw (not illus.) Stock Reinforcement Screw (weight of pul Trigger Adjustment Screw (weight of pul Trigger Adjustment Screw (weight of pul Trigger Adjustment Screw (ver trave) "Trigger Housing Cross Pin Trigger Feturn Spring Trigger Return Spring Trigger Return Spring Trigger Return Spring Trigger Return Spring Seat		

\*Must be fitted at the factory

\*\*Order by Part No. and Caliber \*\*\*Required for .458 Caliber rifles only

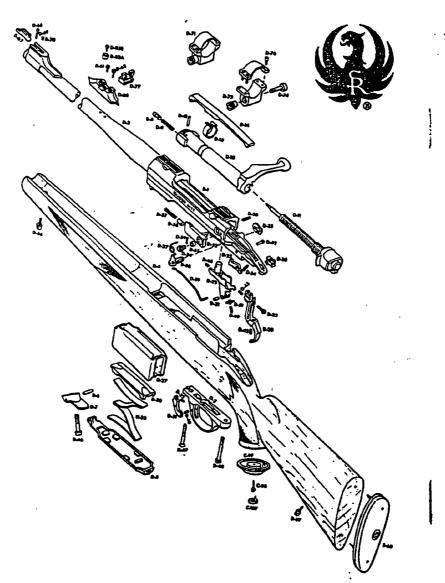


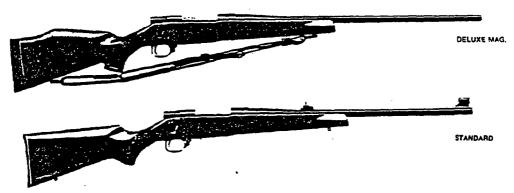
FIGURE 2



### **Model 1500**

## CENTERFIRE BOLT ACTION RIFLE





The Smith & Wesson Model 1500 centerlire, bolt action rifle has been designed and manufactured to provide many years of outstanding performance. This manual has been prepared so that any owner of a S & W Model 1500 will be able to have a better understanding of the proper care and routine maintenance of his new Smith & Wesson and as a result, enjoy the total satisfaction of his purchase. If there are any questions concerning material in this Manual, please contact the source from whom the S & W Model 1500 was purchased or any qualified gunsmith.

#### TO REMOVE THE BOLT FROM THE RIFLE

Check to make sure the rifle is unloaded.

With the bolt part way to the rear, depress the bolt catch located at the left rear of the receiver and draw the bolt rearward out of the receiver.

NOTE: The bolt may be inserted into the receiver or removed with the safety in either the "safe" or "fire" position.

#### TO ASSEMBLE THE BOLT TO THE RIFLE

1. Align the locking lugs on the bolt with their corresponding ways in the receiver.

Push the bolt forward gently into the receiver until the bolt catch snaps back into place behind the left hand locking lug.

#### TO OPERATE THE SAFETY

The safety on your Model 1500 Rifle is a two position safety located at the right rear of the receiver.

1. To put the safety in the "safe" position, move the

thumbpiece fully rearward. To put the safety in the "fire" position, move the

thumbpiece fully forward.

NOTE: The bolt may be operated with the safety in either position — the "safe" or "fire".

NOTE: THE SAFETY OF YOUR MODEL 1500 RIFLE WORKS DIRECTLY ON THE TRIGGER ASSEMBLY OF THE RIFLE. FOR THIS REASON, THE TRIGGER MECHANISM ADJUSTMENTS OF THE RIFLE HAVE BEEN SEALED AT THE FACTORY. ANY ATTEMPT TO REDUCE THE ENGAGEMENT OF THE TRIGGER WITH REDUCE THE ENGAGEMENT OF THE TRIGGER WITH THE SEAR MAY RENDER THE SAFETY INOPERATIVE, AND THUS CREATE A HAZARDOUS CONDITION.

TO LOAD THE RIFLE
1. Raise the bolt handle and pull the bolt fully rearward.

Place the safety in the "safe" position.

3. Press cartridges down into the magazine one at a time until the magazine is full (5 cartridges in standard calibers, 4 in magnum calibers). The top cartridge will be fed into the chamber when the bolt handle is pushed forward and rotated to the locked (down) position.

Pushing the safety thumbpiece forward will now make the rifle ready to fire.

NOTE: ALWAYS POINT THE RIFLE IN A SAFE

DIRECTION.

NOTE: The rear of the firing pin assembly will protrude slightly from the rear of the bolt assembly when the rifle is cocked. This serves as a cocking indicator and as a warning that if the safety is in the "fire", position, the firing pin will fall if the trigger is pulled.

#### TO REMOVE THE CARTRIDGES WITHOUT FIRING

- Push the safety thumbpiece to the "safe" (rearward) position.
- Open the bolt and remove the cartridge from the chamber.
- Push in the floorplate catch located in the front of the trigger guard and allow the floorplate to swing open. The cartridges in the magazine may now be

NOTE: Cartridges may be removed by cycling them from the magazine to the chamber and out. If this is done, be sure the safety is first put in the "safe" position. Since the bolt handle must be rotated down to the locked position, this method is not recommended.

#### SCOPE MOUNTING

Screw holes are provided in the top of the receiver to allow mounting of a scope sight using various scope

#### RECEIVER SIGHT MOUNTING

Screw holes are provided for mounting a receiver (peep) sight at the rear of the receiver. Minor alteration of the stock may be necessary to do this.

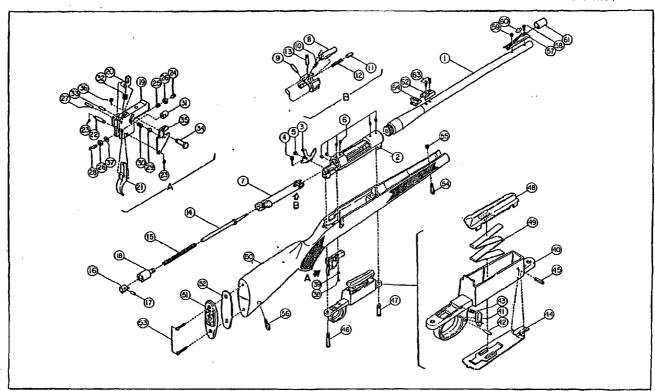
Your Model 1500 rifle should be lubricated lightly with a good non-gumming light machine or gun oil. Excessive lubrication should be avoided, since excess lubricant can collect dirt and dust and oil can penetrate the wood of the stock, eventually weakening if. All metal parts should be coated inside and out very lightly with a good light oil or silicone preparation as a rust prevention measure.

With modern smokeless, non-corrosive ammunition, frequent cleaning of the bore should only be necesFor inquiries, send to: Smith & Wesson 2100 Roosevell Ave. Springfield, Ma. 01101

## Smith & Wesson

MODEL 1500 STANDARD EXPLODED VIEW

For service or parts, send to: Smith & Wesson 2095 Reasevell Ave. Springfield, Ma. 01101 Alin. Service Dept.



sary, but should only be done when an objectionable buildup of fouling occurs or preparatory to storing the rifle for a long period. When cleaning the bore, it is good practice to insert the cleaning rod from the rear to avoid possible wear of the rifling at the muzzle.

#### **INSTRUCTIONS FOR ORDERING PARTS**

When ordering parts, please give the following information:

- 1. Model number of the firearm.
- 2. Serial number of the firearm.
- 3. Caliber and grade of the firearm.
- 4. Part name and number of the part required.

Please order parts separately from factory repair service or delivery may be delayed.

Send your order to:

Smith & Wesson 2100 Roosevelt Ave. Springfield, MA 01101 Attn: Parts Department

#### INSTRUCTIONS FOR FACTORY SERVICE

Should your Smith & Wesson long gun require adjustment, repair, or refinishing, we recommend most sincerely that the weapon be returned to the factory. There is no other way to insure that the work will be done in a properly equipped and staffed shop.

Charges are very reasonable, being based on the cost of parts replaced plus a labor charge for the time expended on the job. A labor charge for one hour is usually sufficient to cover all but very extensive overhaul jobs.

Long guns returned to the factory should be MARKED FOR THE ATTENTION OF THE SERVICE DEPART-MENT. A letter of instructions should be enclosed with the gun, and shipment by individuals must be Prepaid. Adherence to these suggestions will prevent loss of time in handling at the factory.

When your Long gun arrives for service, it will be very carefully inspected, together with your letter of instructions. Next, a quotation covering total cost of work to be performed will be sent to you. No actual work will be performed before receiving your approval of our quotation unless you specifically authorize us to do so.

# THE SMITH & WESSON SPORTING GOODS GROUP PRODUCTS

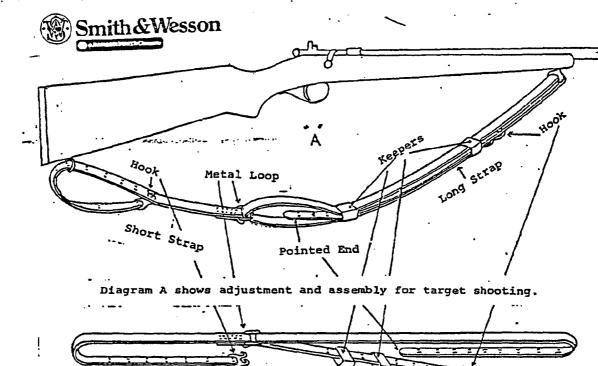
- SMITH & WESSON AMMUNITION
- LEATHER GOODS
- HAND GUNS
- KNIVES

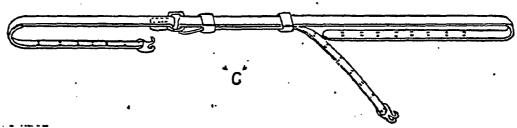
- PUMP SHOTGUNS
- AUTOMATIC SHOTGUNS
- CENTERFIRE RIFLES
- AIR GUNS



Springfield, Ma. 01101

0911-1500/1M/1 DRAFT





- Slide the pointed end of the long strap through both keepers, then adjust keepers to approximate position of Diagram "C".
- Slide short strap through the metal loop on the butt end of your rifle. Slide the long strap point through the muzzle end metal loop.
- 3) Slide the pointed end of the long strap through both keepers holding the pointed section between the upper and lower thirds of the long strap.
- 4) Insert long strap adjustment hook into one set of adjustment holes. Next slide keepers to approximate position of Diagram "A".
- 5) Insert hook on short strap into short strap adjustment holes.
  Sling is now located and assembled to resemble Diagram "A" with hooks adjusted to fit the individual shooter.
- 6) Short strap hook can be inserted in long strap adjustment holes to form a carrying strap.

### PARTS LIST FOR MODEL 1500 STANDARD AND DELUXE

Subject to change without notice F.O.B. Springfield, Ma. When ordering part, please include Model No., Serial No., Part No. and Description.

13002   13114   Barrel/Recewer Asternoy: (View Nos. 1-0) 243 Prof.   13175		Part No. Standard	Part No. Deluxe	Description		Part No. Standard	Part No. Deluxe	Description
13125   13075   Barrel/Receiver Assembly 30-06   31   13036   13036   13037   13073		13002	13114	Barrel/Receiver Assembly: (View	29	13034		Safety Plunger (All Calibers)
13127   1300   1307		13100	17075	Nos. 1-5) 243 Win.	30	13035		Safety Plunger Spring (All Calibers)
1   13 26   13 104   13 106   13 106   13 107		13175	130/2	Barrel/Receiver Assembly 30-06	1 1	13036	13036	Block (Alf Calibers)
1   13 26   13 104   13 106   13 106   13 107		1312/	13025	Barrel/Receiver Assembly 270 Win.	32	13037	13037	Sear Spring (All Calibers)
1   13 26   13 104   13 106   13 106   13 107	1	13003	130/0	Paget 242 Win	33	13030	13030	Sear Stop Mit (All Calibers)
1   13 100   13 106   13 106   13 106   13 106   13 106   13 106   13 101	ī	13126	13084	Barrel 30-06	35	13040	13035	Safety (All Calibers)
1   13 100   13 106   13 106   13 106   13 106   13 106   13 101	ī	13128	13104	Barrel 270 Win.	36	13041		Retaining Ring Safety Guide Pio
13004   1316   Receiver Assembly (News Nos, 2-6).   37   13042   13092   13093   13093   13093   13094   13193   13095   Receiver Assembly 30-06   39   13044   13094   13095   17/182   13095   Receiver Assembly 270 mm Mag.   2   13095   13112   13085   Receiver Assembly 270 mm Mag.   13112   13085   Receiver Assembly 270 mm Mag.   13112   13085   Receiver Assembly 70 mm Mag.   13112   13095   13006   13006   13006   13006   13006   13006   13006   13006   13006   13008	Ĭ	13130	13106	Barret 7mm Mag.	-	100-1	10071	(All Calibers)
13131   13085   Receiver Assembly 30-06   39   13044   13055   13075   13087   Receiver Assembly 770 Win.   13045   13095   13095   13087   Receiver Assembly 770 Win.   13045   13095   13095   13096   Receiver Assembly 770 Win.   7mm Mag.   13046   13056   13096   Receiver Assembly 770 Win.   7mm Mag.   13046   13056   13096   13060   13006   13007   13007   13009   Receiver Plug Screw (Long)   41   13047   13047   13047   13047   13047   13047   13047   13047   13047   13047   13047   13047   13047   13047   13048   1		13004	13116	Receiver Assembly (Views Nos. 2-6).	37	13042	13092	Washer (All Calibers)
13131   13085   Receiver Assembly 270 Win.   13040   13095   17igger Guard Assembly Mem Mag.   13121   13086   Receiver 30-06, 270 Win., 7mm Mag.   13105   13107   13007   13007   13007   13007   13007   13007   13007   13007   13007   13007   13007   13007   13007   13007   13007   13007   13007   13007   13008   13080   13080   13080   13080   13080   13080   13080   13080   13080   13080   13080   13080   Receiver 1948   13084					38	13043	13093	Trigger Housing Screw (All Calibers)
13111   13085   Receiver Assembly / mm Mag.   13122   13086   Receiver 243 Win.   40   13046   13056   13076   Receiver 243 Win.   41   13047   13047   Rigger Guard Assembly 243 Win.   41   13047   13047   Rigger Guard Assembly 243 Win.   41   13047   13048   13048   Rigger Guard Assembly 243 Win.   41   13047   13047   Rigger Guard Assembly 243 Win.   41   13047   13047   Rigger Guard Assembly 243 Win.   42   13048   13049   Rigger Guard Assembly 243 Win.   43   13049   13049   Rigger Guard Assembly 243 Win.   43   13049   13049   Rigger Guard Assembly 243 Win.   44   13050   13049   Rigger Guard Assembly / Rigger Guard Assembly 243 Win.   44   13050   13049   Rigger Guard Assembly 243 Win.   45   13051   13049   Rigger Guard Assembly / Rigger Guard Assembly 243 Win.   46   13052   13049   Rigger Guard Assembly / Rigger Guard Rigger Guard Assembly / Rigge		13131	13085	Receiver Assembly 30-06	39	13044	13094	Star Washer (All Calibers)
2   13132   13086   Receiver 30-06, 270 Win., 7mm Mag.   13140   13123   Trigger Guard Assembly 243 Win.   13105   13106   13006   13006   13006   13006   13006   13008   13009   13108   13009   13108   13009   13108   13009   13108   13009   13108   13009   13108   130		13131	13085	Receiver Assembly 270 Win.	ì	13045	13095	Trigger Guard Assembly (Includes Views
2   13005   13016   13006   30106   30106   30106   30108   30		13131	13085	Receiver Assembly /mm Mag.		12140	12160	No. 40-49) 30-06, 270 Win., 7mm Mag.
13080   13080   Receiver Plug Screw (Short)   43   13050   13097   Floor Plate Gatton Soring (All Calibers)   13136   13087   13118   13085   13087   13107   13107   13108   13080   13097   13108   13010   13011   13119   13108   13010   13010   13011   13011   13011   13011   13011   13012   13012   13012   13012   13012   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13014   13014   13015	ź		13086	Receiver 30-00, 270 Win., 7mm Wag.		13140	13123	ingger Guard Assembly 243 Win.
13080   13080   Receiver Plug Screw (Short)   43   13049   13049   Floor Plate Catch Soring (All Calibers)   13136   13087   13118   13085   13087   13107	5		13006	Roll Stop	\ ~~	13040	13030	7mm Mag
13080   13080   Receiver Plug Screw (Short)   43   13050   13097   Floor Plate Gatton Soring (All Calibers)   13136   13087   13118   13085   13087   13107   13107   13108   13080   13097   13108   13010   13011   13119   13108   13010   13010   13011   13011   13011   13011   13011   13012   13012   13012   13012   13012   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13013   13014   13014   13015	4		13007	Bolt Stop Soring	!	13141	13124	Trigger Guard Assembly 243 Win
13080   13080   Receiver Plug Screw (Short)   43   13049   13049   Floor Plate Catch Soring (All Calibers)   13136   13087   13118   13085   13087   13107	Ś	13008	13008	Bolt Stop Screw	41	13047	13047	Floor Plate Catch (All Calibers)
13010   13118   Solt Assembly 243 Win.   45   13051	6	13009	13009	Receiver Plug Screw (Long)	42	13048	13048	Floor Plate Catch Pin (All Calibers)
13010   13118   Solt Assembly 243 Win.   45   13051		13080	13080	Receiver Plug Screw (Short)	43	13049	13049	Floor Plate Catch Sonng (All Calibers)
13010   13118   3018		13136	13087	Bolt Assembly (includes views No. /	44	13050	13097	Floor Plate 30-06, 270 Win., 7mm Mag.
13138   13088   13018   1319   13108   13119   13119   13119   13108   13108   13108   13108   13108   13108   13109   131012   13102   13102   13102   13102   13103   13103   13103   13103   13103   13103   13103   13104   13014   13015   1301		13010	13118	Dait Assambly 242 Wie	45	13051		
13138   13088   13018   1319   13108   13119   13119   13119   13108   13108   13108   13108   13108   13108   13109   131012   13102   13102   13102   13102   13103   13103   13103   13103   13103   13103   13103   13104   13014   13015   1301		13137	13107	Boit Assembly 7mm Mag.	46	13052	13052	Rear Guard Screw (Ali Calibers)
13011   13119   13018   Bolt Blody 243 Win.   13108   13018   Bolt Blody 243 Win.   13109   13012   13012   13019   13019   13019   13019   13019   13019   13019   13019   13019   13014   13110   13015   13014   13110   13014   13014   13014   13014   13014   13015   13015   13015   13015   13015   13015   13015   13015   13015   13015   13015   13015   13015   13015   13015   13015   13017   13018	7	13138	13088	Bolt Body 30-06 and 270 Win.	47	13053	13053	Front Guard Screw (All Calibers)
9 13013 13013 Extractor / / / / / / / / / / / / / / / / / / /		13011	13119	Bolt Body 243 Win.	48	13054	13098	Magazine Follower-30-06, 270 Win.,
9 13013 13013 Extractor / / / / / / / / / / / / / / / / / / /	_	13139	13108	Bolt Booy 7mm Mag.	ŀ			7mm Mag.
9 13013 13013 Extractor Pin (All Calibers) 10 13014 13014 Extractor Spring (All Calibers) 11 13015 13015 Extractor Spring (All Calibers) 12 13016 13016 Extractor Spring (All Calibers) 13 13017 13017 Extractor Spring (All Calibers) 13 13129 13129 Extractor Spring (All Calibers) 13 13017 13017 Firing Pin Assembly (Includes views No. 14 thru 18) 30-06 270 Win. 13 13120 13120 Firing Pin Assembly 243 Win. 13 13121 13121 Firing Pin Assembly 243 Win. 14 13121 13121 Firing Pin Assembly 243 Win. 15 13019 13019 Main Spring -30-06. 270 Win., 7mm Mag. 15 13019 13019 Main Spring -30-06. 270 Win., 7mm Mag. 16 13020 13020 Cocking Piece (All Calibers) 17 13021 13021 Firing Pin Retaining Pin (All Calibers) 18 13020 13020 Firing Pin Retaining Pin (All Calibers) 19 13024 13025 Firing Pin Retaining Pin (All Calibers) 19 13024 13025 Firing Pin Retaining Pin (All Calibers) 19 13026 13026 Togger Housing Assembly (Includes Views No. 19 thru 39) All Calibers) 20 13025 13025 Sear (All Calibers) 21 13026 13026 Trigger Pin (All Calibers) 22 13027 13027 Trigger Pin (All Calibers) 23 13030 13030 Trigger Spring (All Calibers) 24 13031 13031 Lock Nut (All Calibers) 25 13030 13030 Trigger Adjusting screw, Front (All Calibers) 26 13031 13031 Trigger Adjusting Screw, Rear (All Calibers) 27 13032 13032 Ser Pin (All Calibers) 28 13033 13033 13033 Trigger Adjusting Screw, Rear (All Calibers) 28 13033 13033 13033 Trigger Adjusting Screw, Rear (All Calibers) 29 13025 Trigger Adjusting Screw, Rear (All Calibers) 20 13035 Sear Pin (All Calibers) 21 13036 13037 N.A. Rear Sight Base Screw 22 13037 N.A. Rear Sight Base Screw 23 13038 13033 13033 Trigger Adjusting Screw, Rear (All Calibers) 24 13039 13030 Score Pin (All Calibers) 25 13030 13030 Trigger Adjusting Screw, Rear (All Calibers) 26 13031 13031 Score Pin (All Calibers) 27 13032 13032 Score Pin (All Calibers) 28 13030 13033 Trigger Adjusting Screw, Rear (All Calibers) 29 13030 13030 Cross Pin (All Calibers) 20 13030 13030 Cross Pin (All Calibers) 21 13030 13030 Cross Pin (All Calibers) 22 13030 130	8		13012	Extractor 30-06 270 Win., 243 Win.	40	13143	13105	Magazine Follower 243 Win.
10	0		13013	EXITACION /(INTI) MIAK.	49	13033	13033	Magazine Spring (All Carpers)
13129   13129   13129   13121   1310	10	13013	13013	Extractor Soring (All Calibers)		13134	130/6	thru 56) 30.06, 270 Win
13129   13129   13129   13121   1310	ii		13015	Ejector (All Calibers)	l	13077	13079	Stock Assembly7mm Mag
13129   13129   13129   13121   1310	ĺž	13016	13016	Ejector Spring (All Calibers)	ì	13056	13099	Stock Assembly—243 Win.
13017   13017   13017   13017   13018   13018   13018   13018   13018   13018   13018   13018   13018   13018   13018   13018   13018   13018   13018   13018   13018   13018   13019   13019   13019   13019   13019   13019   13021   13021   13021   13021   13021   13021   13021   13021   13021   13021   13021   13022   13022   13023   13023   13023   13023   13023   13025   13025   13025   13025   13025   13025   13025   13025   13025   13025   13025   13025   13025   13025   13026   13026   13026   13027   13028   1302	13	13129	13129	Ejector Pin (All Calibers)	50	13135	13100	Stock 30-06, 270 Win.
13120   13121   13221   1322		13017	13017	Firing Pin Assembly (Includes views No.	50	13133	13111	Stock /mm Mag.
13002   13002   13003   1300				14 thru 18) 30-06 2/0 Win.,	ည်	1305/	13083	Stock—243 Win.
13002   13002   13003   1300		13120	13120	Firing Pin Accomptu 242 Win	감	13700	13101	But Pista_30.06 270 Win
13002   13002   13003   1300	14	าราวา	13121	Firing Pin 243 Win	1 55	13059	13กรีจ์	Butt Plate White Spacer243 Win
13002   13002   13003   1300	14	13018	13018	Firing Pin-30-06, 270 Win., 7mm Mag.	52	13102	13102	Butt Plate White Spacer 30-06, 270 Win.
13002   13002   13003   1300	15	13019	13019	Main Spring-30-06, 270 Win., 7mm Mag.	53	13060	13060	Butt Plate Screw
13002   13002   13003   1300	15	13122	13122	Main Spring 243 Win.	54	13061	13061	
13002   13002   13003   1300	15		13020	COCKING PIECE (All Calibers)	55	13052		Front Swivel Nut
21   13027   13027   17igger (All Calibers)   50   13068   N.A.   Front Sight Hood		13021	13021	Piring Pin Retaining Pin (All Calibers)	55	13063		Rear Swiver Screw
21   13027   13027   17igger (All Calibers)   50   13068   N.A.   Front Sight Hood	10	13002	13002	Target Housing Assembly (Inchese	Į.		M.A.	Number 57 than 611
21   13027   13027   17igger (All Calibers)   50   13068   N.A.   Front Sight Hood		13023		Views No. 19 thru 39) All Calibers	57	13065	N.A.	Front Sight Ramo
21   13027   13027   17igger (All Calibers)   50   13068   N.A.   Front Sight Hood	19	13024	13024	Trigger Housing (All Calibers)	58	13066		Front Sight Screw (L)
21   13027   13027   17igger (All Calibers)   50   13068   N.A.   Front Sight Hood	20	13025	13025	Sear (All Calibers)	59	13067	N.A.	Front Sight Screw (S)
22 1302/ 1302/ 13028 for Adjusting Screw, Front Sight Hood 13079 N.A. Front Sight Hood 13079 N.A. Rear Sight Hood only) Views Numbers 62-64 only) Vi	21	13026	13026	Trigger (All Calibers)	60	13068		rront signt
(All Calibers) 62 13071 N.A. Rear Signt Dase 62 13072 N.A. Rear Signt Base Screw 64 13073 N.A. Rear Signt Base Screw 64 13073 N.A. Rear Signt Base Screw 65 13031 13031 Lock Nut (All Calibers) 64 13073 N.A. Rear Signt Base Screw 64 13073 N.A. Rear Signt Base Screw 13112 13112 Recoil Pad 7mm Mag. 13113 13113 Spacer 7mm Mag. (All Calibers) N.A. 13000 Q.D. Swwel	22	13027	13027	Trigger Pin (All Calibers)	61	13069		Front Sight Hood
(All Calibers) 62 13071 N.A. Rear Sight Base Screw 25 13030 13030 Trigger Spring (All Calibers) 63 13072 N.A. Rear Sight Base Screw 26 13031 13031 Lock Nut (All Calibers) 64 13073 N.A. Rear Sight Base Screw 27 13032 13032 Sear Pin (All Calibers) 13112 13112 Recoil Pad 7mm Mag. 28 13033 13033 Trigger Adjusting Screw, Rear (All Calibers) 13113 13113 Spacer 7mm Mag. (All Calibers) N.A. 13000 Q.D. Swwel	23	13028	13028	Rétaining Ring, Trigger Pin (All Calibers)	į.	13070	N.A.	Rear Sight Assembly (Standard grade
(VII CBIDEIS) f IV.V. 13000 C.D. SWING	24	13053	13049	(All Caliborn)	52	13071	N A	Dane Ciebs Daes
(VII CBIDEIS) f IV.V. 13000 C.D. SWING	25	13030	13030	Trigger Soring (All Calibers)	25	13072	NΔ	Rear Sight Base Screw
(VII CBIDEIS) f IV.V. 13000 C.D. SWING	26	13031	13031	Lock Nut (All Calibers)	64	13073	N.A.	Rear Signt
(VII CBIDEIS) f IV.V. 13000 C.D. SWING	27	13032	13032	Sear Pin (All Calibers)	]	13112	13112	Recoil Pad 7mm Mag.
(VII CBIDEIS) f IV.V. 13000 C.D. SWING	28	13033	13033	Ingger Adjusting Screw, Rear	I	13113	13113	Spacer /mm Mag.
THE SOUL GEORGE				(All Calibers)	1	14.74.	13000	y.p. awaei Stran
					i	17076	.5001	OHUP
					1			

	Order Number	Caliber	Barrel Length	Length Overall	Magazine Capacity	Approx. Weight
Deluxe	16004	243 Win.	22"	42"	5	7 lbs. 8 oz.
	16003	270 Win.	22-	42%"	5	7 lbs. 10 oz.
	16001	30-06	22"	42 <del>%</del> "	5	7 lbs. 10 oz.
	16002	7mm Rem. Mag.	24"	44%"	4	7 lbs. 13 oz.
Standard	15004	243 Win.	22"	42"	5	7 lbs. 8 oz.
	15003	270 Win.	22"	42%"	5	7 lbs. 10 oz.
	15001	30-06	22"	42½"	5	7 lbs. 10 oz.
	15002	7mm Rem. Mag.	24"	44%"	4	7 lbs. 13 oz.



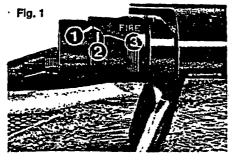
CHAP SAFETY WARNING — Failure to obey a safety warning may result in injury WARNING to you or to others.

Muzzle Pointed in A Safe Direction Prior to using live ammunition, familiarize yourself thoroughly with these operating instructions. Get accustomed to the feel of your new gun — know the forces required to operate the action," to pull the trigger and, above all, know the location and operation of the safety.

NOTE: The Model 70 XTR is featured in all photographs.

The safety can only be operated when the firing pin is cocked. To cock the firing pin, lift up on the bolt handle and then return it to the locked position (when the firing pin is cocked, a red indicator is visible at the rear of the bolt).

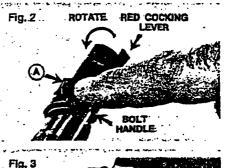
- 1. Fully On (See Fig. 1) The safety drawn to the most rearward position and in line with the bolt, Both the firing pin and bolt are positively locked.
- 2. Intermediate Position (See Fig. 1) With the safety in a mid-way position and at a right angle to the bolt. This position locks the firing pin, but not the bolt. The intermediate position also allows for removal of an unfired cartridge from the chamber and the magazine in complete safety. Also, the intermediate position is often used by sportsmen when ready and expecting to shoot.
- 3. Firing Position (See Fig. 1) With the safety fully forward, the rifle is ready to fire. For ease of operation, it is recommended the safety be operated with the thumb.



TO INSTALL THE BOLT — The bolt of your rifle is packed separately in the carton in which your rifle is shipped. Before inserting the bolt, make sure the firing pin is cocked (when the firing pin is cocked, a red indicator is visible at the rear of the bolt). If the firing pin is not in the cocked position, (See Fig. 2A) turn the rear section of the bolt until the breech bolt sleeve lock engages the notch in the breech bolt. On a new gun where surfaces are not yet burnished from use, it may be difficult to rotate the bolt sleeve by hand, if so, grasp the lower section of the firing pin in a vise, pull and turn.

Fit the forward end of the bolt in the rear of the receiver, then slide the bolt fully forward and lower the bolt handle to a locked position. The safety can now be operated. (Fig. 3)

The breech bolt has been carefully selected and fitted by the factory to assure correct headspace. It is etched with the same serial number as the gun for identification purposes. For safety sake, DO NOT INTERCHANGE BREECH BOLTS. If the breech bolt is lost or damaged, return the gun to the factory for replacement.





\*ACTION: The mechanism of a firearm which loads and secures the cartridge in the chamber.

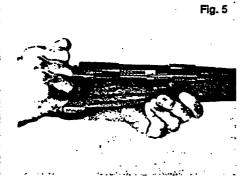
HOW TO LOAD - Use the correct ammunition referenced by the inscription on the barrel. Before loading your gun be sure all grease and oil has been removed from the barrel and chamber, and there is no obstruction.

The position (Fig. 3) lift the bolt handle and pull the bolt back all the way. Lay a cartridge in the receiver just forward of the bolt. Press the cartridge down with your thumb until it snaps into the magazine. (Fig. 4)

2. Press each succeeding cartridge similarly into the magazine. (Fig. 4)



3. With the magazine loaded to capacity, an additional cartridge may be placed directly into the chamber. Then, press down the top cartridge in the magazine and close the bolt. (Fig. 5)



#### MAGAZINE CAPACITY --

Model	70	XI	R	
		4 F	201	n

8 Rounast	4 Roundst
222 Rem.	264 Win. Mag.
22-250 Rem.	7mm Rem. Mag.
25-06 Rem.	300 Win. Mag.
270 Win.	338 Win. Mag.
308 Win.	375 H & H Mag.
243 Win.	485 Win. Mag.
30-06 Spr.	

fincludes one cartridge in chamber.

TO OPERATE - 1. When ready to shoot, and with a loaded cartridge in the chamber, the safety on, and your finger off the trigger, push the safety fully forward. Your rifle is now ready to fire.

REMEMBER, The recoil from a center fire rifle, especially magnum calibers, will be somewhat heavier than most other guns, so firmly shoulder your gun, take aim and when on target pull the trigger.

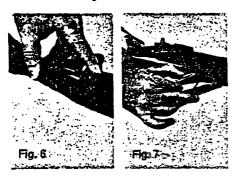
- 2. Pull boit handle up and fully back, ejecting fired cartridge case.
- 3. Push bolt forward, positioning a new cartridge from the magazine into the chamber. Lock bolt by turning bolt handle fully down. Your rifle is again cocked and ready to fire, or put the safety in the "on" position until you are ready to fire again.

FIRING — Pull safety rearward to "intermediate" position. With the rifle pointed in a safe direction and your finger off the trigger, operate the action, extracting and ejecting each loaded round from the

Alternate method for Model 70 XTR.

- 1. With the safety in the "Intermediate" position, open the magazine cover by pressing back the magazine cover catch (Fig. 6) in front of the trigger guard.
- 2. Allow magazine cover to swing open and remove cartridges. (Fig. 7)

3. Lift bolt handle up and pull boit fully back to remove cartridge from chamber.



**温級 IMPORTANT** — Always visually check and know for sure that your gun is not loaded, by looking directly into the chamber and magazine with the action open and bolt fully to the rear.

TO REMOVE THE BOLT — 1. Cock the firing pin by raising and lowering the bolt handle. Place the safety in the "intermediate" position. Again, raise bolt handle and draw the bolt fully to the rear.

- 2. Depress the bolt stop located at the left rear of the receiver and remove the boit.
- 3. To remove the firing pin assembly from the breech bolt, the firing pin must be cocked and the safety in the "intermediate" position. Then, compress the small breech boit sleeve lock and turn the rear breach bolt sleeve to the left, Assemble in reverse order.

CARE AND CLEANING - Remember rust is neglect. Protect your rifle with good gun care products. A light coat of good gun oil on metal surfaces will prevent rust. To clean the inside of the barrel, remove the bolt and invert the gun to prevent the bore cleaner from running into the action.

Visually check the chamber making sure it is not loaded. Use a cleaning rod with a brass brush soaked in nitro solvent, work it through the entire length of the bore several times. Follow this by dry patch until the bore is thoroughly cleaned. Then with a patch moistened with gun oil apply a light protective film to the bore. Periodically, dirt and fouling should be removed from inside of the receiver and action parts. This should be done with a suitable brush with nitro solvent followed by a thorough wiping and a light oiling. Do not store your gun in a case, a fabric lining will absorb the protective coating of oil and permit rusting.

機能特別人。 医海巴氏炎



#### TEN COMMANDMENTS OF **FIREARMS SAFETY**

A good hunter is a safe hunter. He knows there is no place for horseplay in hunting. He learns and obeys the commandments of firearms safety and insists that his companions know and follow them, too.

Every hunter — whether novice or experienced outdoorsman - should review these commandments before each hunting season to be sure that his gun handling, both at home and in the field, sets a good example for others.

- Treat every gun with the respect due a loaded cun.
- Be sure of your target before you pull the trigger.
- Always be sure that the barrel and action are clear of obstruction.
- Never point your gun at anything you do not want to shoot.
- Never leave your gun unattended unless you unload it first.
- Avoid alcoholic beverages both before and during shooting.
- Never carry a loaded gun when you climb a tree, cross a fence or go through areas where you are apt to slip or trip.
- Never shoot at a hard, flat surface or the surface of water. Make sure you have a safe backstop.
- Carry only empty guns, taken down or with the action open, into your camp, car or home.
- Store guns and ammunition separately, beyond the reach of children.



ARMING It is recommended that SHOOTING GLASSES be worn at all times, and that EAR PROTECTION be utilized where practical.

### MODEL 70 XTR NOMENCLATURE

Parts may be ordered directly from Winchester Product Service Department. Please specify part number, part name and serial number.

Refer Num		Rofer Nun	ence Part iber Description	Raferen Numbe	
**1	Barrel	24	Forearm Screw Eye	45	Sear Pin
**2	Breech Bolt	25	Forearm Screw Eye Was	her 46	Sear Spring
13	Breech Bolt Steeve	26	Forearm Screw Eye Escu		Sight — Front
4	Breech Bolt Sleeve Cap	27	Magazine	48	Sight Cover - Front
5	Breech Bolt Steeve Cap Pin	28	Magazine Cover Complete	49	Sight Ramp - Front
6	Breech Bolt Sleeve Lock	29	Magazine Cover Catch	50	Sight Ramp Screw — Short
7	Breech Bott Sleeve Lock Pin	<u> </u>	Magazine Cover Catch P	In 51	Sight Ramp Screw — Long
8	Breech Bolt Sieeve Lock Spring	31	Magazine Cover Catch S	pring 52	Sight — Rear
9	Breech Boll Stop	32	Magazine Cover Hings P	ate Screw 53	
10	Breech Bolt Stop Spring	33	Magazine Follower	33	Sight Rear Screw (2 Required)
11	Butt Plate	34	Magazine Spring	54	Stock Swivel Stud
12	Buti Plate Spacer	35	Culck Detachable Swive	55	Stock
13	Butt Plate Screws (2 Required)		(2 Required)	58	Telescope Sight Base Plug
14	Elector	**36	Receiver		Screw (6 Required)
15	Elector Pin	37	Recoil Ped (Not Shown)	*57	Trigger
16	Ejector Spring	38	Recoil Pad Spacer (Not !	Shown) 58	Trigger Grand
17	Extractor	39	Recoil Pad Screws (Not	Shown! 59	Trigger Guard Screw — Front
18	Extractor Plunger		2 Required	60	Trigger Guard Screw Rear
19	Extractor Spring	140	Salety	61	Trigger Pin
*20	Firing Pin	41	Safety Pin	62	Trigger Spring
21	Firing Pin Spring	42	Safety Plunger	63	Trigger Stop Screw
22	Firing Pin Spring Retainer	43	Safety Plunger Spring	84	Trigger Stop Screw Nut
23	Firing Pin Spring Washer	*44	Sear	•	(3 Regulred)

\* Sold only to gunsmiths who have executed an agreement with us --- otherwise for factory installation only.

" Sold for factory installation only — return complete firearm.

† Not sold to consumers. Installation must be made by a gunemith. Orders from dealers and distributors will be accepted on the under standing that the parts will be fitted by a numerith.