

IMPORTANT

READ THIS BOOK BEFORE USING THE FIREARM

INSTRUCTION BOOK
Model 541-T & 581-S
Bolt Action
Rimfire Rifle

Remington[®]



HOW TO ORDER PARTS AND SERVICE

CLEANING INSTRUCTIONS

HOW TO LOAD AND UNLOAD

IMPORTANT PARTS

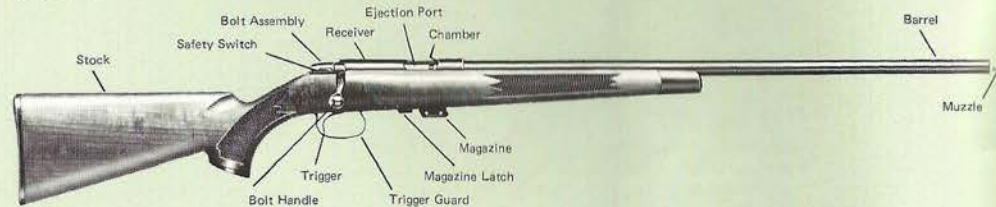
SAFETY RULES AND INFORMATION

REMINGTON BOLT ACTION RIMFIRE RIFLE

Congratulations on your choice of a Remington. With proper care, it should give you many years of dependable use and enjoyment.

For best results, we recommend that you use **Remington Ammunition** - the ammunition used in factory testing your firearm against our exacting function and performance standards.

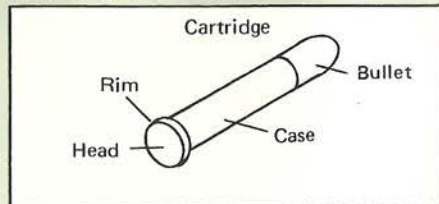
Picture 1



This picture shows the main parts of a **REMINGTON BOLT ACTION RIMFIRE RIFLE**. The picture will aid you in understanding the instructions in this book.

Picture 2 Ammunition

This picture shows the parts of the ammunition.



SAFETY RULES

WARNING

READ THESE BASIC SAFETY RULES. Learn how to handle your firearm safely. Failure to obey these rules can result in serious personal injuries. Only you can prevent accidents.



KNOW YOUR FIREARM. To use it correctly and safely, read and follow the instructions in the enclosed firearms safety booklet and this instruction book.

TREAT EVERY FIREARM AS IF IT WERE LOADED. Don't rely on the safety switch. Use it as shown in this book.



NEVER MAKE ADJUSTMENTS. Do not make changes or alterations to any parts of a firearm. Use only **REMINGTON** parts. Never make an adjustment to the trigger, or change the shape or size of the sear, sear notch, or other parts.

MAKE YOURSELF SAFE. Wear eye protection, such as glasses or sunglasses, when shooting. Wear ear protection, such as ear plugs or muffs, when target shooting or plinking. Repeated exposure to shooting noise can cause permanent hearing loss. Never drink alcoholic beverages before or during shooting.



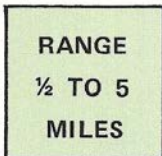
TAKE CARE OF YOUR FIREARM. Keep the barrel clean and free of obstructions. Clean and have the firearm checked periodically to make sure it is mechanically correct. Worn, damaged or missing parts maybe dangerous.

WATCH YOUR MUZZLE. Always keep the firearm pointed in a safe direction.

SAFETY RULES



NEVER USE THE WRONG AMMUNITION. Only use ammunition that exactly matches the caliber or gauge markings on your firearm. Handloads can be dangerous. Remington Arms Company, Inc. is not responsible for accidents or damage caused by badly-loaded handloads.



LOAD YOUR FIREARM SAFELY. Never load a firearm until you are in a location where it is safe to shoot, and you are ready to shoot.



KNOW YOUR TARGET. Before you pull the trigger, make sure you can see the target clearly, and the path of the bullet, slug, or shot charge beyond the target. Never shoot at water, rocks, or any hard surface. Bullets may glance off such surfaces and cause injuries.

KNOW THE RANGE OF YOUR FIREARM. Remember, shotgun pellets can travel 500 yards and shotgun slugs have a range of more than one-half mile. Rimfire bullets can travel more than 1 1/2 miles. Centerfire bullets can travel up to 5 miles.



IF FIREARM FAILS TO FIRE keep it pointed in safe direction, then unload carefully avoiding exposure to breech. If firearm fires but report or recoil seems weak, unload and then make sure the barrel is not obstructed.

UNLOAD YOUR FIREARM WHENEVER YOU ARE NOT SHOOTING. Never carry or store a loaded firearm in a building or a vehicle. Unload your firearm before climbing up or over a fallen tree, fence or slippery area.

STORE YOUR FIREARM SAFELY. Keep firearms and ammunition away from children. Lock unloaded firearms and ammunition securely in separate locations.

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 put the safety switch in the "S" position before handling, loading or unloading the firearm.

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

Do not touch the trigger while moving the safety switch.

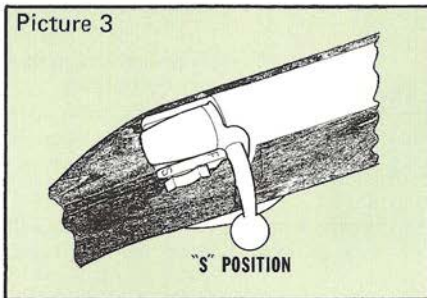
Never pull the trigger when the safety switch is in the "S" position.

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

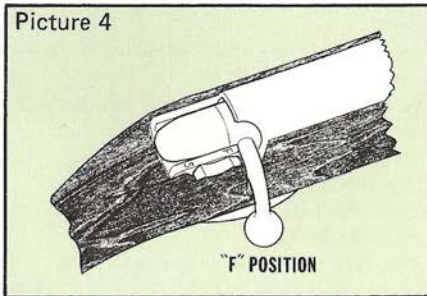


Even when the safety switch is in the "S" position, careless handling can cause the firearm to fire.

Picture 3



Picture 4



IMPORTANT PARTS

HOW TO LOAD AND UNLOAD

CLEANING INSTRUCTIONS

HOW TO ORDER PARTS AND SERVICE

THE BOLT ASSEMBLY

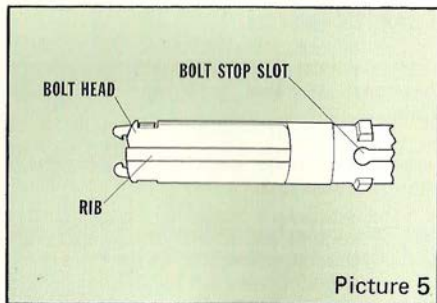


The bolt assembly locks the cartridge into the chamber.

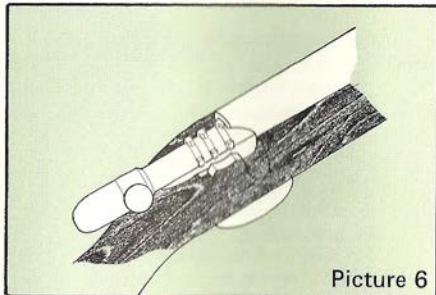
TO INSTALL THE BOLT ASSEMBLY:

1. Align the bolt stop slot on the bolt body with the rib on the bottom (flat) of the bolt head. See picture 5.
2. Point the firearm in a safe direction.
3. Push and hold the safety switch completely forward.
4. Align the bolt assembly with the receiver. See picture 6.
5. Slide the bolt assembly into the receiver and push all the way in.
6. Release the safety switch.
7. Put the safety switch in the "S" position.
8. To lock the bolt assembly into position push the bolt handle down.

NOTE: Bolt must be cocked to be put into the firearm. TO COCK BOLT FOLLOW INSTRUCTIONS SHOWN ON PAGE 13.



Picture 5



Picture 6

THE TRIGGER ASSEMBLY

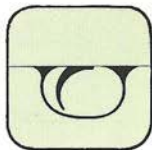
TO REMOVE THE BOLT ASSEMBLY:

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. Pull the bolt handle all the way back.
6. Push and hold the safety switch completely forward.
7. Pull the bolt assembly 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 REMINGTON RECOMMENDED GUNSMITH.



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.

HOW TO LOAD AND UNLOAD

CLEANING INSTRUCTIONS

HOW TO ORDER PARTS AND SERVICE

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

I. TO CHECK THE INSIDE OF THE BARREL:

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

II TO REMOVE OBJECT FROM INSIDE THE BARREL:

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.

III TO CLEAN THE BARREL FOLLOW 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

I TO LOAD ONE CARTRIDGE ONLY

1. Point the firearm in a safe direction.
2. Put the safety switch in the "S" position.
3. Raise the bolt handle.
4. Pull the bolt handle all the way back.
5. Put one cartridge of the correct caliber in the chamber. See picture 7.
6. Slide the bolt handle forward, then push the bolt handle down to lock the cartridge into the chamber.

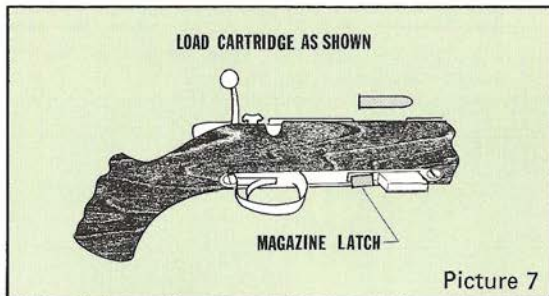
THE FIREARM IS NOW LOADED

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

THE FIREARM IS READY TO FIRE

8. Pull the trigger to fire the firearm.
9. Raise bolt handle and pull bolt fully rearward to eject the empty case.

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



II TO LOAD THE CHAMBER AND MAGAZINE

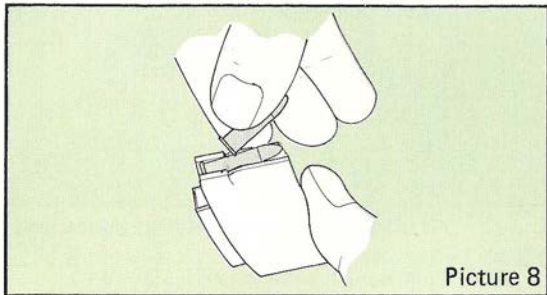
1. Point the firearm in a safe direction.
2. Put the safety switch in the "S" position.
3. Raise the bolt handle.
4. Pull the bolt handle all the way back.
5. Put one cartridge of the correct caliber in the chamber. See picture 7.
6. Slide the bolt handle forward, then push the bolt handle down to lock the cartridge into the chamber.

THE FIREARM IS NOW LOADED

7. Push rearward on the magazine latch. See Picture 7.
8. Pull the magazine from the bottom of the firearm.

TO LOAD AND UNLOAD THE FIREARM

9. Push five cartridges of the correct caliber one at a time into the magazine. Keep the bullets aligned toward the chamber. See Picture 8.



10. Align opening on the back of the magazine over the end of the magazine guide.
11. Push magazine upward until locked into place by the magazine latch.

THE CHAMBER AND MAGAZINE ARE NOW FULLY LOADED

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

THE FIREARM IS READY TO FIRE.

13. Pull the trigger to fire the firearm.
14. Raise the bolt handle and pull the bolt fully rearward to eject the empty case.
15. Push the bolt forward to chamber next cartridge.
16. Put the safety switch in the "S" position when you are finished firing.

TO UNLOAD THE FIREARM:

1. Point the firearm in a safe direction.
2. Put the safety switch in the "S" position.
3. Raise the bolt handle.
4. Slowly pull the bolt rearward to remove the cartridge from the chamber.
5. Push a magazine latch rearward and pull the magazine from the firearm.
6. Slide the cartridges forward and out of the magazine.
7. Replace the magazine.

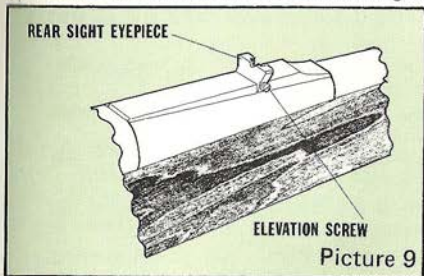
WARNING: Check the chamber and the magazine to make sure there are no cartridges in the firearm.

TO ADJUST THE SIGHTS







The sights are adjusted at the factory to hit a target at 100 yards.

Move the rear sight in the same direction as you need to move the bullet on the target.



NOTE: For more information on ballistics and trajectory, see the REMINGTON catalog.

POSITION ON TARGET	ADJUSTMENTS
 <p>Bullet hits above the center.</p>	<ol style="list-style-type: none">Loosen the elevation screw on the rear sight eyepiece.Slide the rear sight eyepiece down.Tighten the elevation screw.
 <p>Bullet hits below the center.</p>	<ol style="list-style-type: none">Loosen the elevation screw on the rear sight eyepiece.Slide the rear sight eyepiece up.Tighten the elevation screw.
 <p>Bullet hits to the left.</p>	Tap front sight to the left.
 <p>Bullet hits to the right.</p>	Tap front sight to the right.

HOW TO LOAD AND UNLOAD

CLEANING INSTRUCTIONS

HOW TO ORDER PARTS AND SERVICE

LUBRICATION AND MAINTENANCE



LUBRICATION:

Over-lubrication should be avoided at all times. A thin coat of Remtm Oil is all that is needed to prevent the possibility of rusting. See note below.

When the firearm is to be stored, it should be carefully cleaned and thoroughly oiled. Outside surfaces should be wiped with a light coat of Remtm Oil occasionally.

When firearm is to be reused, all excess lubrication must be removed. The chamber and bore must be thoroughly wiped dry.

NOTE: Remington Remtm Oil with DuPont Teflon Wet Lubricant is available from your local dealer. If your dealer is out of stock, ask him to order Remtm Oil from his Remington distributor.

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.
2. Remove the bolt assembly. See instructions on Page 5.

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 Remtm Oil through the barrel.
9. Push a clean dry patch through the barrel to remove excess lubricant.
10. Apply a thin coat of Remtm 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. or a REMINGTON RECOMMENDED GUNSMITH. This will insure proper inspection and any necessary replacement of worn or damaged parts.

TO CLEAN THE RECEIVER AND TRIGGER ASSEMBLY

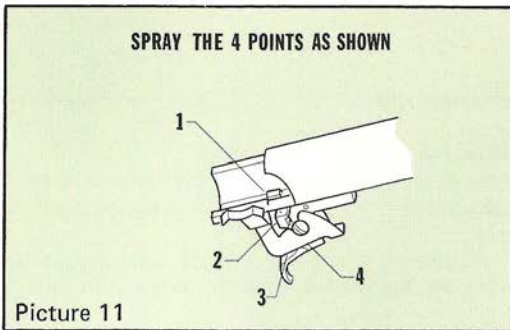
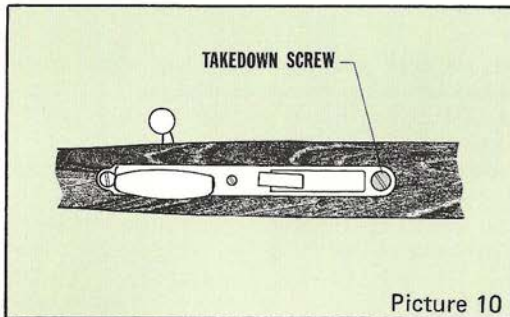
TO CLEAN THE RECEIVER AND TRIGGER ASSEMBLY

1. Put safety switch to "S" position.
2. Remove the bolt assembly. See Instructions on Page 5.
3. Remove the magazine box.
4. Turn the rifle upside down.
5. Remove the takedown screws from the floorplate. See Picture 10.
6. Lift the stock away from the receiver and trigger assembly.

NOTE: Clean the receiver and trigger assembly as a unit with RemtmOil.

7. Spray the receiver and the four points of the trigger assembly with RemtmOil (See Picture 11). Let stand for 15 minutes. Spray again to wash off components. Shake off excess lubricant.

WARNING: Excessive use of a non-recommended lubricant could cause serious function problems possibly leading to accidental firing.



TO REASSEMBLE

TO ASSEMBLE

1. Put the stock over the receiver and trigger assembly.
2. Replace and tighten the takedown screw.

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

3. Replace the bolt assembly. See instructions on page 5.

WARNING: After cleaning the trigger assembly, check the chamber and magazine to make sure there are no cartridges in the firearm. Put the safety switch in the "F" position. Close the bolt smartly. The firing pin must remain cocked. To check, pull the trigger. The firing pin must fall. Repeat the test at least ten times. If the firing pin will not remain cocked when the bolt is closed smartly, return the firearm to the factory, or a REMINGTON RECOMMENDED GUNSMITH.

CLEANING FREQUENCY

1. Before and after long term storage.
2. If the firearm has been subjected to adverse conditions; such as, shooting in the rain, snow, sleet, or in salt water areas.
3. If the firearm is exposed to dirty conditions; such as, laying on the ground outdoors, dropped in mud, etc.

TO CLEAN THE BOLT ASSEMBLY

1. Remove the bolt assembly from the firearm. See instructions on page 6.

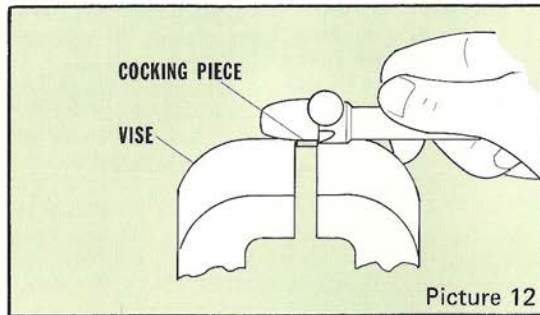
CAUTION: Clean the bolt assembly as a unit.

2. Spray the bolt assembly with Remtm Oil.
3. Dry with a clean cloth.
4. Apply a thin coat of Remtm Oil.

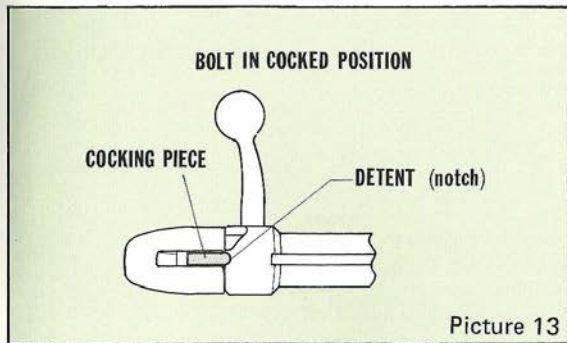
NOTE: Bolt must be cocked to be put into the firearm.

TO COCK BOLT

1. Clamp cocking piece into vice. See picture 12.



2. Raise bolt handle until cocking piece snap into detent on the rear edge of the bolt. See picture 13.



HOW TO ORDER PARTS FROM THE REMINGTON FACTORY

TO ORDER PARTS:

1. Use the picture on page 16 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.
Ilion, New York 13357**
4. We can ship your order on a C.O.D. basis or provide an estimate of your required remittance.
NOTE: Bolts, 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 bolts for shotguns are available as parts.

WARNING: Use only Remington parts in Remington firearms.

1-800-243-9700

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.
2. 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:

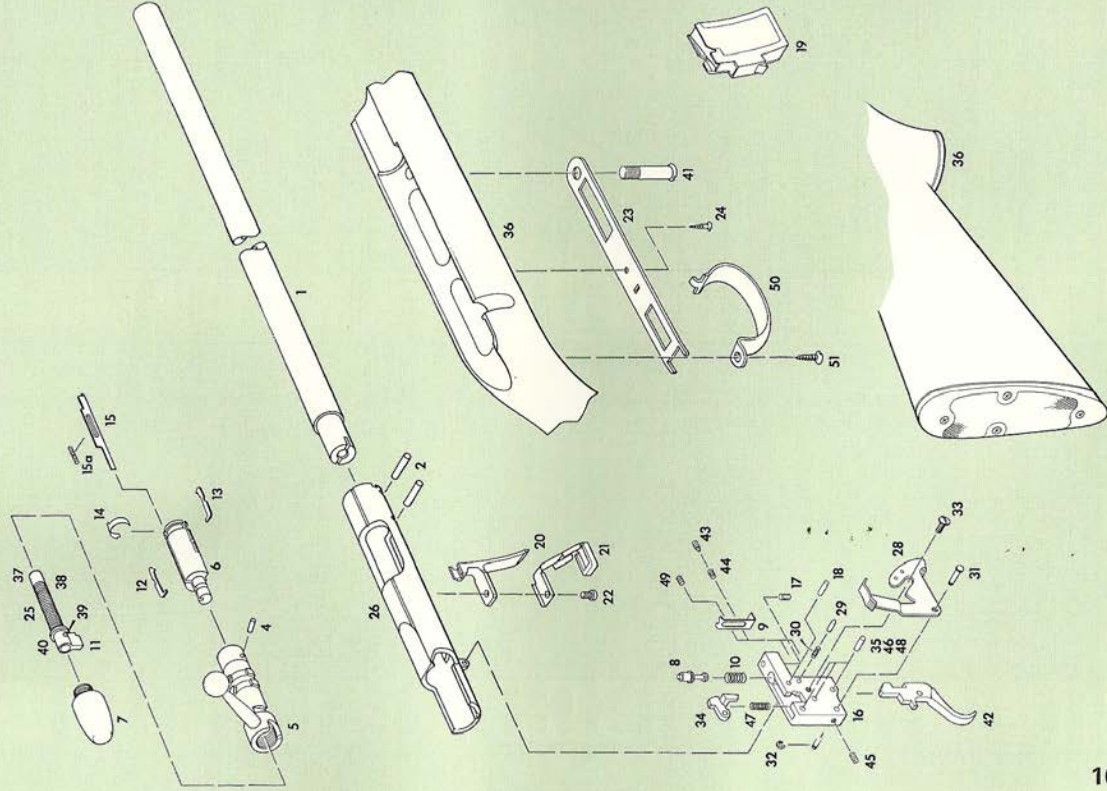
To get instruction books for any Remington firearm, write to Remington Arms Company, Inc., Arms Service Division, Ilion, New York 13357. Give the model, serial number, gauge or caliber.

REMINGTON RECOMMENDED GUNSMITHS:

A listing is available from Remington Arms Company, Inc. Wilmington, Delaware 19898

MODEL 541T

Bolt Action Rimfire Rifle



View No.	Part No.	NAME	View No.	Part No.	NAME
1	93537	Barrel(Restricted)	29	14497	Safety Switch Detent(Restricted)
2	91342	Barrel Assembly Pin	30	14498	Safety Switch Detent Spring(Restricted)
4	18382	Bolt Assembly Pin	31	14015	Safety Switch Pivot Pin(Restricted)
5	32790	Bolt Body Assembly(Restricted)	32	14044	Safety Switch Pivot Pin Washer(Restricted)
6	90529	Bolt Head . . .(Restricted)	33	14511	Safety Switch Retainer Screw(Restricted)
7	90582	Bolt Plug(Restricted)	34	14503	Sear(Restricted)
8	14509	Bolt Stop(Restricted)	35	24477	Sear Pin(Restricted)
9	14510	Bolt Stop Release(Restricted)	36	32126	Stock Assembly
10	14496	Bolt Stop Spring(Restricted)	37	29112	Striker Assembly
	91471	Bolt Stop Washer(Restricted)	38	14014	Striker(Restricted)
	93543	Butt Plate	39	14565	Striker Cross Pin(Restricted)
	25380	Butt Plate Screw	40	14012	Striker Washer (Restricted)
11	91509	Cocking Piece(Restricted)	41	14071	Takedown Screw
12	14008	Extractor, L.H.	42	15949	Trigger(Restricted)
13	14009	Extractor, R.H.	43	14502	Trigger Screw, Front(Restricted)
14	14010	Extractor Spring	44	14501	Trigger Spring, Front(Restricted)
15	91584	Firing Pin	45	14502	Trigger Engagement Screw(Restricted)
15a	91484	Firing Pin Return Spring	32130		Trigger Housing Assy(Restricted)
	93542	Grip Cap	46	24477	Trigger Pin . . .(Restricted)
	25380	Grip Cap Screw	47	14045	Trigger Spring .(Restricted)
16	14519	Housing(Restricted)	48	24477	Trigger Spring Retaining Pin(Restricted)
17	14027	Housing Lock Screw(Restricted)	49	14502	Trigger Stop Screw(Restricted)
18	14031	Housing Pin	50	93544	Trigger Guard
19	29075	Magazine Assembly	51	14042	Trigger Guard Screw
20	14047	Magazine Guide			
21	32135	Magazine Latch Assy			
22	14049	Magazine Latch Screw			
23	14980	Magazine Plate			
24	14099	Magazine Plate Screw			
25	14884	Mainspring . . .(Restricted)			
26	29134	Receiver Assy(Restricted)			
28	14981	Safety Switch(Restricted)			

View No.	Part No.	NAME	View No.	Part No.	NAME
		Parts Not Listed Same As Model 541-T			
	93545	Barrel(Restricted)			
	29000	Bolt Body Assy(Restricted)			
	33660	Bolt Head . .(Restricted)			
	14005	Bolt Plug . . .(Restricted)			
	14002	Bolt Stop . . .(Restricted)			
	14024	Bolt Stop Spring(Restricted)			
	17578	Butt Plate			
	25410	Butt Plate Screw			
	14236	Elevation Screw			
	14001	Front Sight			
	14048	Magazine Latch			
	29005	Magazine Plate			
	14038	Rear Sight Base			
	14059	Rear Sight Eyepiece . . .			
	14051	Rear Sight Leaf			
	14034	Rear Sight Screw			
	29126	Receiver Assy(Restricted)			
	28240	Safety Switch(Restricted)			
	91370	Safety Switch Retainer Pin(Restricted)			
	14044	Safety Switch Retainer Pin Retaining Washer(Restricted)			
	29056	Stock Assy . .(Restricted)			
	14033	Trigger(Restricted)			
	29015	Trigger Housing Assy(Restricted)			
	14031	Trigger Pin . .(Restricted)			
	14971	Trigger Guard(Restricted)			