



Remington

OWNER'S MANUAL

FOR THE

R-25
GII
MODERN SPORTING RIFLE

IMPORTANT!

This manual contains operating, care, and maintenance instructions. To assure the safe operation, any user of this firearm must read and understand this manual before using the firearm. Failure to follow these instructions and heed the warnings in this manual can cause property damage, personal injury, and/or death. This manual should always accompany this firearm, and should be transferred with it upon change of ownership.

WARNING! Keep this firearm out of the reach of children, unauthorized individuals, and others unfamiliar with the safe handling of this firearm.



ALERTS SYMBOLS AND DEFINITIONS

WARNING!	Indicates a hazardous situation which, if not avoided, will result in property damage, personal injury or death.
CAUTION!	Indicates a hazardous situation which, if not avoided, could result in minor to moderate personal injury.
NOTE:	Address practices not related to personal injury.



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SAFETY IS CRITICAL TO PERFORMANCE.

A superbly crafted firearm is only as good as the hands that hold it. You can never be too careful. Shooting accidents are often caused by careless oversights such as failing to control the direction of the muzzle, failing to fully engage the safety, leaving ammunition in the chamber or using improper ammunition. These oversights can result in the destruction of life, limb or property. There is no recalling a bullet once it has been fired, so it is critical that you know the principles of safe firearm handling and storage before you take your firearm out of the box.

The proper use and performance of your firearm depends on correct assembly and maintenance. It is critical that you familiarize yourself with the information in this instruction book. Even if you are a veteran shooter with a collection of firearms, take the time to read this literature. Not all firearms operate the same. That means the first step in safe handling is to learn the features and requirements of your firearm.

THE TEN COMMANDMENTS OF FIREARMS SAFETY

The Ten Commandments of Firearm Safety should be etched in your memory forever. Let them govern your action wherever and whenever you are involved with firearms in the field, on the range, or in your home. Please take the time to review and understand these rules.

1st COMMANDMENT

ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

This is the most important firearm safety rule. A safe direction is one in which an accidental discharge will not cause injury to yourself or others. Never allow your firearm to point at anything you do not intend to shoot. Be especially careful when you are loading or unloading. Treat every firearm as if it were loaded. Make it a habit to know where the muzzle is pointed at all times, even when your firearm is unloaded. No one will be injured by an accidental discharge if you keep your firearm pointed in a safe direction. It is that simple.



2nd COMMANDMENT

FIREARMS SHOULD BE UNLOADED WHEN NOT IN USE.

Load your firearm only when you are in the field or on the target range and ready to fire. Never let a loaded firearm out of your sight or out of your hands. Unload it as soon as you are finished shooting - before you bring it into your car, camp or home. Remember, unloading your firearm means unloading it completely, so there is no ammunition in the chamber or in the magazine. Before handling a firearm or passing it to someone else, visually check the chamber, receiver and magazine to be certain they do not contain ammunition. Always keep the firearm's action open when not in use. Never assume a firearm is unloaded even if you were the last person to use it. Always check for yourself.

- *Let common sense rule when you carry a loaded firearm.* If you are in a situation that could risk accidental discharge, such as crossing a fence, wading through a stream or climbing a tree, always unload your firearm. Never pull or push a loaded firearm toward yourself or another person. Never carry a loaded firearm in a scabbard, detached holster or gun case.
- *Certain firearms (including some Remington rifles and shotguns) are equipped with internal security devices to prevent unauthorized use.* Some firearms owners use external devices, such as cable locks and trigger blocks, for the same purpose. Even if you use such a device, you should still keep your firearm unloaded when stored or not in use. Using internal or external devices cannot substitute securing your firearms and ammunition in separate locked locations.
- *Safe storage of firearms is just as critical as safe handling.* Never store firearms loaded. Be sure to keep your firearm in a secure place where unauthorized persons cannot get their hands on them without your knowledge.
- *Take special care if there are children around.* Children are fascinated by firearms. It is a natural curiosity that can have tragic consequences when not properly supervised. Store your firearms in a locked gun safe or some other location that physically bars a child from gaining access.
- *Ammunition should be stored and locked in a location separate from your firearm.* Never leave an unsecured firearm or ammunition in a closet, dresser drawer or under the bed. Remember, it is your responsibility to make sure that children and others unfamiliar with firearms cannot get access to your firearm and ammunition.



Firearms should be stored in a secure place where children cannot access them. A gun safe is an ideal way to secure your firearms.

3rd COMMANDMENT

DO NOT RELY ON YOUR FIREARM SAFETY

Treat every firearm as if it can discharge at any time whether or not there is pressure on the trigger. Your firearm has been carefully designed to maximize performance and safety. However, because a firearm's safety is a mechanical device, it could fail.

Human error is a more likely reason for a firearm safety to fail. By mistake, you may think the safety is engaged when it really is not. Or the safety may have been disengaged without your knowledge or you could think your firearm is unloaded when there is actually a cartridge or shell in it. A mechanical safety is not a substitute for common sense. It is merely a supplement to your proper handling of a firearm.

Never touch the trigger on a firearm until you are ready to shoot. Keep your fingers away from the trigger when you are loading or unloading. Do not pull the trigger when the safety is engaged or positioned between safe and discharge.

Before using your firearm, read this instruction book to understand the exact location and operation of your firearm's safety. Even when the safety is on, maintain control of your loaded firearm and control the direction of the muzzle. In other words, do not rely on your safety to justify careless handling. If your firearm's internal mechanisms are broken or have been altered, your firearm may discharge even when the safety is on. Remember, you and your safe firearm handling practices are your firearm's best safety.

4th COMMANDMENT

BE SURE OF YOUR TARGET AND WHAT IS BEYOND IT.

You can't stop a shot in mid-air, so never fire unless you know exactly where your shot is going and what it will strike. Never fire at a sound, a movement or a patch of color. A hunter in camouflage can easily be mistaken for a target by an impulsive shooter. Before you pull the trigger, be absolutely sure of your target and what is behind it. Make sure the shot has a backstop such as a hillside or dense material like sand. Remember, bullets can travel great distances with tremendous velocity. Know how far your shot will go if you miss your target or the bullet ricochets.



5th COMMANDMENT

ONLY USE AMMUNITION THAT EXACTLY MATCHES THE MARKINGS ON YOUR FIREARM.

Every firearm is designed to use a certain caliber or gauge of ammunition. Using the wrong ammunition, mixing ammunition or using improperly reloaded ammunition can cause serious personal injury or death. It only takes one cartridge or shotshell of the incorrect caliber or gauge, or which has been improperly reloaded, to destroy your firearm. It is your responsibility to make sure the ammunition you use exactly matches the caliber or gauge of your firearm. Refer to this instruction book to find out specific requirements of your firearm. Always read and heed instructions on ammunition boxes.

Confusing shells or cartridges can cause serious personal injury or death and destroy your firearm. Examine your shells or cartridges closely and use only the precise caliber or gauge for your specific firearm. For example, suppose you accidentally loaded a 300 AAC BLACKOUT cartridge into the magazine of 223 Remington (or 5.56mm Military) modern sporting rifle. The body of the 300 AAC BLACKOUT fits into and will feed from the magazine for 223 Remington/5.56mm Military ammunition. However, since the 300 AAC BLACKOUT bullet is too large to fit into the chamber, there is a possibility the force of the bolt closing would drive the bullet backwards into the cartridge case.

If the bullet does move back and allow the bolt to close, firing the round would create excessive pressure, and will, at the minimum, cause the magazine to be forcefully blown out of the magazine well. The potential exists for the barrel or upper receiver to fail and cause serious injury or even death to the shooter or a bystander.

Check all ammunition before you load it to make sure it matches your firearm's requirements. Every Remington cartridge and shell is head-stamped with its caliber or gauge for easy identification. Likewise, you will find the caliber or gauge of your new Remington firearm imprinted on the barrel.

Reloading Requires Extra Diligence.

If you reload ammunition, then you are responsible for ensuring that the components you use and the performance of your loads meets SAAMI guidelines for safety and performance - the same guidelines your firearm was tested to at the factory. Never use ammunition which has been reloaded by someone else. Reloading requires a thorough knowledge of reloading procedures and a deep respect for the explosive potential of gunpowder. Reloading incorrectly, whether by deviating from load specifications established by powder or component manufacturer's recommendations or exceeding "maximum loads" could result in severe injury to yourself or bystanders or severe damage to your firearm. Dangerously high pressure can result from an overcharge of powder or other deviations from established reloading guidelines creating the potential for severe damage to your firearm and possible personal injury and/or death to you and/or bystanders. If you chose to reload, be extremely careful.

6th COMMANDMENT

IF YOUR FIREARM FAILS TO DISCHARGE WHEN THE TRIGGER IS PULLED, HANDLE WITH CARE.

If for some reason the ammunition does not discharge when you pull the trigger, stop and remember the 1st Commandment of Firearm Safety – always keep the muzzle pointed in a safe direction. Keep your face away from the breech, then put the safety on, carefully open the action, unload the firearm and dispose of the cartridge safely. Remember that any time there's a shell in the chamber your firearm is loaded and ready to use. Even if you tried to shoot and your firearm did not discharge, treat your firearm as if it could still discharge.



7th COMMANDMENT

ALWAYS WEAR EYE AND EAR PROTECTION WHEN SHOOTING.

Your sight and hearing risk injury from shooting and should be protected at all times. Wear protective shooting glasses to guard against falling shot, clay target chips, powder residue, ruptured cartridge cases and even twigs and branches in the field. Also be sure to wear eye protection when you're disassembling or cleaning a firearm so that tensioned parts (like springs) and cleaning solvents don't come in contact with your eyes. Continued exposure to shooting noise can permanently damage your hearing. On the range, where shooting volume is the loudest, be sure to use the maximum protection of a headset. Learn to use ear protection at all times.

8th COMMANDMENT

BE SURE THE BARREL IS CLEAR OF OBSTRUCTIONS BEFORE SHOOTING.

Before loading your firearm, open the action and make sure there's no ammunition in the chamber or magazine. Check the barrel for any obstructions or debris. Even a small amount of snow, mud, excess lubricant or grease in the bore can dangerously increase pressure and cause the barrel to bulge or burst when firing. Use a cleaning rod and patch to wipe away anti-rust compounds or any other residues or obstructions in the barrel. Never try to shoot out an obstruction by loading another shell and firing!

When firing, rely on your instincts. If the noise or recoil of your firearm seems weak, stop everything, unload your firearm and be sure nothing is lodged in the barrel. As an example, ammunition that has been exposed to water, excessive lubricants or was improperly hand-loaded can produce very low pressure that could leave a bullet lodged in the bore. Firing a second round into a bore obstructed by a stuck bullet can cause the barrel to burst. Always be sure you're using the correct ammunition in your firearm and that it is free of obstructions.

9th COMMANDMENT

DO NOT ALTER OR MODIFY YOUR FIREARM AND HAVE IT SERVICED REGULARLY.

Your firearm has been designed to operate according to certain factory specifications. You will jeopardize your safety and that of others around you by attempting to alter its trigger, mechanical safety or other mechanisms. So never alter or modify your firearm in any way.



Like any mechanical device, a firearm is subject to wear. It must be maintained and periodically serviced to assure optimum safety and performance. Only a qualified service facility should service, repair or modify your firearm. Consult your instruction book for instructions on how to send your firearm to the factory or for the location of the nearest Remington authorized repair station.

Proper cleaning and lubrication are also important to firearm maintenance and are necessary to assure accuracy, safety and reliability. Before cleaning, always make sure that your firearm is completely unloaded. And always clean the barrel from the chamber end to the muzzle when possible.

Make it a practice to clean your bore every time you're going to shoot. Be sure to clean your entire firearm before and after long-term storage and no less than once a year. It is also important to clean your firearm whenever it has been exposed to adverse conditions such as rain, dirt, mud, snow, sleet or saltwater.

For safe and dependable operation of your firearm, all parts of your firearm must be properly cleaned and lubricated. Periodically inspect the internal workings of your firearm to be sure they are clean and free of rust, unwanted dirt and debris.

Use recommended lubricants on your firearm and do not over-lubricate. Excessive use of a non-recommended lubricant could adversely affect the function and safe operation of your firearm. Remember, you are responsible for the proper care and maintenance of your firearm. Failure to properly maintain your firearm cannot only damage or ruin your firearm, it can expose you and others to unnecessary risks of personal injury or death.

NOTE: Remington has a wide range of firearm care products and resources for best results when cleaning your firearm; everything from solvents and lubricants to rods and patches. They're all available from your Remington dealer.

10th COMMANDMENT

LEARN THE MECHANICS AND HANDLING CHARACTERISTICS OF YOUR FIREARM.

Not all firearms are alike. They have different mechanical characteristics that dictate how you should carry and handle them. Anyone who plans to use a firearm should first become totally familiar with the type of firearm it is and the safe handling procedures for loading, unloading, carrying, shooting and storing it.

Before you even unpack your new firearm, read this instruction book from cover to cover and familiarize yourself with the different component parts of the firearm. Then read, understand and follow *The Ten Commandments of Firearm Safety* in this manual.

WARNING! Discharging firearms in poorly ventilated areas, cleaning firearms or handling ammunition may result in exposure to lead, a substance known to cause birth defects, reproductive harm, cancer and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.



SHOOT SOBER!

There's one other rule that must be followed when handling firearms. In fact, respect for this rule is necessary in order to effectively practice *The Ten Commandments of Firearms Safety*. The rule is: SHOOT SOBER! Firearms and alcohol or drugs make a deadly combination. Never consume anything that would even mildly impair your judgment or physical coordination when you are using a firearm. A staggering percentage of the shooting accidents that occur every year involve alcohol or drugs. Be smart. Always shoot sober and stay alive.

WARNING! Failure to follow any of these safety rules may cause personal injury or death to the shooter or bystander and damage to property. Do not use a firearm until you fully understand and practice *The Ten Commandments of Firearm Safety*. If you have any questions about the safe use of a Remington firearm, please write to us at Remington Consumer Service, Remington Arms Co., LLC, Consumer Service, P.O. Box 700, Madison, NC, 27025-0700, or call us at 1-800-243-9700.

DON'T KEEP THIS TO YOURSELF

Now that you're a firearm owner you have the obligation to help ensure that shooting sports are safe for everyone, participants and bystanders alike. You can do that by practicing these principles of firearm safety and passing them on to others — especially new shooters. Set an example for beginners. Be a guide to their safe entry into the exciting world of shooting sports. Invest your time and patience for the love of the sport and for its future. After all, it's your love of the sport that led you to buy a new firearm.

Firearm ownership is a right and privilege. It is a privilege, which carries with it a personal responsibility to use your firearm in a way which will ensure your safety and the safety of others. The preservation of this right and privilege depends on the personal commitment of you and your fellow shooters to the safe and responsible use of firearms. Let *The Ten Commandments of Firearm Safety* outlined in this manual guide you at all times. Teach and promote these rules whenever you can. Remember, firearm safety depends on you! That is the only way to really enjoy your new Remington firearm and to preserve sport shooting as we know it today.

MODEL R-25 GII MODERN SPORTING RIFLES

ALWAYS PRACTICE SAFE FIREARMS HANDLING

WARNING! It is very important that you read and understand this manual before using the new firearm. Warnings should be read and heeded carefully. Always follow *The Ten Commandments of Firearm Safety*, listed in this manual. Failure to follow these rules, warnings, and other instructions in this manual can result in property damage, personal injury, and/or death.

WARNING! If this firearm is carelessly or improperly handled, unintentional discharge could result and could cause property damage, personal injury, and/or death.

WARNING! Use only clean, dry, high quality, commercially manufactured ammunition in good condition which is appropriate to the caliber of your firearm. Remington recommends against the use of remanufactured or hand-loaded ammunition. The use of improperly loaded or reloaded ammunition may cause property damage, personal injury and/or death.

DANGEROUS PROCEDURES

WARNING! This firearm may inadvertently chamber a cartridge if it is dropped or jarred with a loaded magazine in place. An unintentional discharge of a firearm may cause property damage, personal injury and/or death.

WARNING! This firearm can discharge without the Cam Pin present. Discharging the firearm without the Cam Pin present and properly installed in the bolt group may cause property damage, personal injury and/or death.

WARNING! An unfired cartridge can discharge if left chambered in a hot barrel — this is often referred to as a “cook-off”. Always keep the firearm pointed in a safe direction. If an unfired cartridge cannot be cleared from a hot barrel quickly, remove the magazine from the firearm and allow the barrel and unfired cartridge to cool 15 minutes. A cook-off can cause property damage, personal injury and/or death.

WARNING! Never discharge a firearm with water or other obstruction in the barrel. Discharging the firearm with water or other obstruction in the barrel can cause property damage, personal injury and/or death.

WARNING! If you experience a change in sound report and/or recoil while discharging the firearm, do not attempt to discharge the firearm again. A change in sound report and/or recoil can be symptoms of a defective cartridge, which could lead to an obstructed bore. Discharging a firearm with an obstructed bore can cause property damage, personal injury and/or death.

THANK YOU FOR BUYING A REMINGTON PRODUCT

Congratulations on your choice of a Remington firearm. With proper care it should give you many years of dependable use and enjoyment. For best results, we recommend that you use Remington or Barnes ammunition — the ammunition used in factory testing your firearm against our rigorous function and performance standards. This Owner's Manual covers Remington Modern Sporting Rifle style firearms. They are lightweight, gas-operated, air-cooled, magazine-fed firearms and carbines that are semi-automatic in operating mode (i.e. a single round will fire each time the trigger is pulled).

On all models the Upper and Lower Receivers are easily opened for cleaning and inspection. Rifle models have forged aluminum Upper and Lower Receivers.

The specifications in this manual are subject to change without notice.

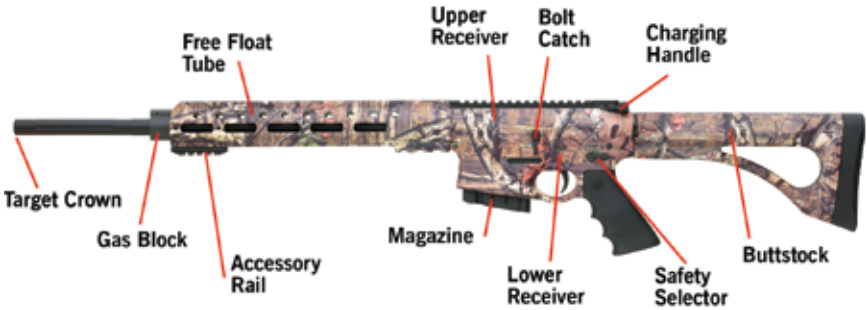
FIREARM FEATURES AND CONTROLS – IDENTIFICATION / LOCATION

NOTE: Some illustrations in this manual may depict cosmetic differences not related to performance or safety.

FIGURE 1: MODERN SPORTING RIFLE - SHOOTER'S RIGHT



FIGURE 2: MODERN SPORTING RIFLE - SHOOTER'S LEFT



THE SAFETY MECHANISM

The manual safety mechanism of your firearm provides protection against accidental or unintentional discharge when engaged, is in proper working order and the firearm is not being misused. The safety mechanism of this firearm is not a substitute for following the rules of safe firearm handling. The safety mechanism blocks the trigger, preventing the trigger from being pulled when engaged in the "SAFE" position.

The Safety Selector is located on the shooter's left, towards the rear of the lower receiver. To engage the safety mechanism, rotate the Safety Selector counter clockwise, until arrow of the Safety Selector points towards the "SAFE" indicator.

Depending on the model of firearm you have purchased, the "SAFE" position may be indicated by an icon of a bullet crossed out or the word "SAFE". See Figure 3.



FIGURE 3

If the safety will not engage, cock the hammer by pointing the firearm in a safe direction and pulling the Charging Handle fully to the rear and releasing it. See Figure 4. After the firearm is cocked, the safety can be engaged.



FIGURE 4

WARNING! If after cocking the firearm the safety cannot be engaged, the firearm has malfunctioned and is not safe for use. Use of a malfunctioning firearm may cause property damage, personal injury, and/or death. Have the firearm repaired by a Remington Authorized Repair Center.

SERIAL NUMBER AND CALIBER IDENTIFICATION

The serial number of your firearm is located on the shooter's left side of the Magazine Well. See Figure 5. The cartridge designation (intended caliber) for the firearm is marked on the barrel of the firearm.

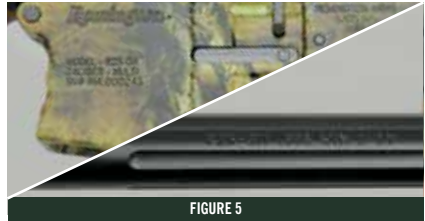


FIGURE 5

WARNING! Modern Sporting Rifle style firearms are modular and due to the modularity, it is possible to affix an Upper Receiver to a Lower Receiver with a differently designated caliber/cartridge. Only use ammunition designated on the Barrel of the Upper Receiver with your firearm. Using ammunition not designated on the Barrel of the Upper Receiver may cause property damage, personal injury and/or death.

Always check the cartridge for the correct designation before loading the firearm. The caliber of a cartridge is located on the cartridge head. See Figure 6.



FIGURE 6

WARNING! Do not apply oil, grease or any lubricants to cartridges. Applying lubricants to cartridges may interfere with the proper operation of the cartridge/firearm, resulting in property damage, personal injury and/or death.

WARNING! Always wash hands after handling ammunition. See *The Ten Commandments of Firearm Safety* section of this manual.

CLEARING / UNLOADING YOUR FIREARM

WARNING! Never assume your firearm is unloaded to justify careless handling. Always control the direction of the muzzle of your firearm, even if you think it is completely unloaded. Careless handling of a firearm may cause property damage, personal injury and/or death.

Clearing / Unloading a Magazine-Loaded Firearm

- 1 Always keep the firearm pointed in a safe direction.

- 2 Place the Safety Selector in the "SAFE" position. See Figure 7. If the safety will not engage, proceed to Step 3 with caution.



- 3 Press the Magazine Catch button and remove the Magazine. See Figure 8.



- 4 Pull the Charging Handle fully rearward and then release it while depressing the lower portion of the Bolt Catch. This will lock the bolt open. See Figure 9.



- 5 With the bolt locked open, slide the Charging Handle fully forward.
- 6 Verify the Safety Selector is fully in the "SAFE" position. If the Safety Selector could not be engaged in Step 2, place it in the "SAFE" position now.

WARNING! If after cocking the firearm the safety cannot be engaged, the firearm has malfunctioned and is not safe for use. Use of a malfunctioning firearm may cause property damage, personal injury, and/or death. Have the firearm repaired by a Remington Authorized Repair Center.

- 7 Look into the Ejection Port and visually check the chamber and Magazine Well for cartridges, ensuring the firearm is completely unloaded. See Figure 10.



Clearing / Unloading a Top-Loaded Firearm Equipped with a Bullet Button

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector in the "SAFE" position. See Figure 7. If the safety will not engage, proceed to Step 3 with caution.
- 3 Use a suitable tool such as a punch, pen or bullet to fully depress the center of the fixed Magazine Catch (Bullet Button). See Figure 11.



- 4 When the button is fully depressed an audible "click" will be heard and the Magazine will release from the firearm.
- 5 Remove Magazine from firearm.
- 6 Pull the Charging Handle fully rearward and then release it while depressing the lower portion of the Bolt Catch. See Figure 9. This will lock the bolt open.
- 7 With the bolt locked open, slide the Charging Handle fully forward.
- 8 Verify the Safety Selector is fully in the "SAFE" position. If the Safety Selector could not be engaged in Step 2, place it in the "SAFE" position now.

WARNING! If after cocking the firearm the safety cannot be engaged, the firearm has malfunctioned and is not safe for use. Use of a malfunctioning firearm may cause property damage, personal injury, and/or death. Have the firearm repaired by a Remington Authorized Repair Center.

- 9 Look into the Ejection Port and visually check the chamber and Magazine Well for cartridges, ensuring the firearm is completely unloaded. See Figure 10.

SAFETY FUNCTION CHECK

WARNING! If the firearm experiences a malfunction during the Safety Function Check the firearm is not safe and should not be used. This firearm should be serviced by a Remington Authorized Repair Center. See the "How to Obtain Parts and Service from Remington" section of this manual to have your firearm repaired. Use of a firearm which fails the Safety Function Check may cause property damage, personal injury, or death.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector in the "SAFE" position. See Figure 7. If the safety will not engage, proceed to Step 3 with caution.
- 3 Press the Magazine Catch and remove the Magazine. See Figure 8.
- 4 Pull the Charging Handle fully rearward and then release it while depressing the lower portion of the Bolt Catch. This will lock the bolt open. See Figure 9.
- 5 With the bolt locked open, slide the Charging Handle fully forward.
- 6 Verify the Safety Selector is fully in the "SAFE" position. If the Safety Selector could not be engaged in Step 2, place it in the "SAFE" position now.

WARNING! If the firearm experiences a malfunction during the Safety Function Check the firearm is not safe and should not be used. This firearm should be serviced by a Remington Authorized Repair Center. See the "How to Obtain Parts and Service from Remington" section of this manual to have your firearm repaired. Use of a firearm which fails the Safety Function Check may cause property damage, personal injury, or death.

- 7 Look into the Ejection Port and visually check the chamber and Magazine Well for cartridges, ensuring the firearm is completely unloaded. See Figure 10.
- 8 With the firearm completely unloaded, press the Bolt Catch allowing the bolt to fully close.
- 9 With the Safety Selector Lever in the "SAFE" position (Figure 7) and the firearm pointed in a safe direction, pull the Trigger. The Trigger should not release the hammer and the hammer should not strike the firing pin with an audible click. If the hammer is released the firearm has malfunctioned and failed this safety function check. Do not use the firearm and have it serviced by a Remington Authorized Repair Center.
- 10 While not touching the trigger, place the Safety Selector in "Fire" position. The hammer should not be released. See Figure 12. If the hammer is released the firearm has malfunctioned and failed this safety function check. Do not use the firearm and have it serviced by a Remington Authorized Repair Center.



FIGURE 12

- 11 With the Safety Selector in the "Fire" position, pull the Trigger. The Trigger should release the hammer and the hammer should strike the firing pin with an audible snap. If the hammer is not released, the firearm has malfunctioned and failed this safety function check. Do not use the firearm and have it serviced by a Remington Authorized Repair Center.
- 12 Pull and hold the Trigger.
- 13 Pull the Charging Handle fully rearward and release it allowing the bolt to fully close.

- 14 Release the pressure on the Trigger with a slow continuous motion until the Trigger is fully forward. A slight audible click should be heard but the hammer should not be released and strike the firing pin. For the purposes of this step, the rate by which to release the Trigger is defined as at least one-fourth the normal rate by which you release the Trigger after discharging the firearm. If the hammer is released, the firearm has malfunctioned and failed this safety function check. Do not use the firearm and have it serviced by a Remington Authorized Repair Center.
- 15 Repeat Steps 9 through 14 a total of five times. The firearm must not malfunction during these steps to pass the Safety Function Check. If the firearm malfunctions, it has failed this safety function check. Do not proceed with the check and see the warning at the beginning of this section for instructions.

AMMUNITION

Some Remington firearm barrels are marked with the military caliber designation for the chamber of the barrel, including 7.62 x 51 and 5.56 x 45. In these firearms, the following cartridge interchangeability is acceptable:

IN BARRELS MARKED	THE FOLLOWING AMMUNITION MAY ALSO BE SAFELY USED
5.56 x 45	223 Remington (223 REM)
223 Remington (223 REM)	NONE
7.62 x 51	308 Winchester (308 WIN)
308 Winchester (308 WIN)	7.62 x 51

WARNING! NEVER fire 5.56 x 45 (also known as 5.56mm NATO or 5.56mm Military) ammunition in a barrel marked "223 Remington" or "223 REM". Excessive pressure can result and cause property damage, personal injury and/or death.

WARNING! As military ammunition does not have a headstamp indicating the caliber, it is the responsibility of the user to determine the caliber of the ammunition before use. Using improper ammunition may cause property damage, personal injury and/or death.

LOADING A MAGAZINE

WARNING! Always check the cartridge for the correct designation before loading the firearm. Use of an incorrect cartridge could result in property damage, personal injury and/or death.

WARNING! The use of improperly loaded or hand-loaded ammunition can lead to barrel obstructions, excessive pressure and/or inadvertent discharge of a firearm resulting in personal injury, property damage and/or death. Use only quality factory ammunition suitable for your firearm. Examine each cartridge closely, particularly around the primer, looking for dents, scratches and other signs of damage. **DO NOT LOAD DAMAGED AMMUNITION!**

WARNING! Safe Firearms Handling dictates that you only load live ammunition into your firearm when you wish to discharge the firearm. See *The Ten Commandments of Firearm Safety* in this manual.

- 1 Hold the Magazine with the front facing forward away from your palm. With the primer flush with the rear inside face of the Magazine, position a cartridge of proper caliber on top of the Magazine between the feed lips. See Figure 13.



FIGURE 13

- 2 With the cartridge properly positioned, push down on the cartridge until it is fully seated in the Magazine. Make sure the cartridge is touching the rear inside face of the Magazine.
- 3 Place the next cartridge on top of the previously seated cartridge and push it down between the feed lips until it becomes seated in the Magazine. The cartridge will sit on the opposite side of the Magazine with respect to the cartridge that preceded it. The primer end of each cartridge should be touching the rear inside face of the Magazine.
- 4 Repeat Step 3 until the Magazine is full or the desired number of rounds have been loaded. Do not attempt to exceed magazine capacity as it may damage the Magazine and your firearm.

SERVICE AND PREVENTATIVE MAINTENANCE CHECKS

WARNING! Before discharging the firearm make sure the inside of the barrel is free of dirt, oil, water, or other obstructions. Discharging an obstructed barrel may cause property damage, personal injury and/or death.

Always clean a new firearm before discharging it for the first time. Before discharging a firearm perform the following steps to help ensure the firearm is functioning properly.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Clear the firearm per the “Clearing / Unloading Your Firearm” section of this manual.
- 3 Check for excessive oil in the bore. If excessive oil is present, swab it out with a patch and a cleaning rod. See the “Cleaning the Bore” section of this manual.
- 4 Retract the Bolt by pulling the Charging Handle fully rearward to ensure free movement between the Bolt Carrier and Gas Tube. See Figure 4.
- 5 Perform a Safety Function Check to ensure the Safety Mechanism works properly. See the “Safety Function Check” section of this manual.

LOADING YOUR FIREARM

WARNING! Never assume your firearm is unloaded to justify careless handling. Always control the direction of the muzzle of your firearm even if you think it is completely unloaded. Careless handling of a firearm can lead to property damage, personal injury and/or death.

WARNING! Always check the cartridge for the correct designation before loading the firearm. Use of an incorrect cartridge could result in property damage, personal injury and/or death.

WARNING! The use of improperly loaded or hand-loaded ammunition can lead to barrel obstructions, excessive pressure and/or inadvertent discharge of a firearm resulting in personal injury, property damage and/or death.

WARNING! The firearm can be discharged with the magazine removed. If a cartridge is chambered, the bolt is closed and the safety selector is in the “FIRE” position, depressing the trigger will cause the firearm to discharge. An unintentional or uncontrolled discharge of your firearm may cause property damage, personal injury and/or death.

WARNING! When closing the bolt with the Charging Handle, never ride or push the Charging Handle forward. Always allow the bolt to carry the Charging Handle forward under its own power as it closes. Interfering with the Charging Handle during bolt closing may prevent the bolt from fully closing causing property damage, personal injury and/or death.

NOTE: A magazine may be inserted into this firearm and a round chambered with the Bolt Assembly starting in the open or closed position.

CHAMBERING A ROUND FROM AN OPEN BOLT

- 1 Always keep the firearm pointed in a safe direction.



FIGURE 14

Charging Handle forward until the bolt engages the bolt catch. See Figure 14.

- 2 Place the Safety in the “SAFE” position and remove the Magazine. See the “Clearing/Unloading Your Firearm” section of this manual.
- 3 Lock the Bolt open by pulling the Charging Handle fully to the rear and pressing the bottom of the Bolt Catch. While depressing the bottom of the Bolt Catch, slide the

WARNING! Do not load a hot chamber; a round may “Cook Off”. The term “Cook Off” means a round may initiate (FIRE) just from being exposed to the heat of the Firearm’s Firing Chamber. An unintentional or uncontrolled discharge of your firearm may cause property damage, personal injury and/or death.

- 4 Visually and physically verify the Chamber is completely unloaded. See the “Clearing/Unloading Your Firearm” section of this manual.
- 5 With the Magazine facing forward, center the loaded Magazine in the firearm’s Magazine Well and push the Magazine up until the Magazine Catch engages and holds the Magazine.
- 6 Slap upwards on the bottom of the Magazine to ensure it is seated fully.
- 7 Pull down on the Magazine to verify it is securely engaged in the Magazine Well. If the Magazine releases from the Magazine Well, repeat Steps 2 through 6.

- With a loaded Magazine secured in the Magazine Well, depress the upper portion of the Bolt Catch button. See Figure 19. This will cause the Bolt to close and chamber a loaded cartridge. Pulling the Charging Handle fully rearward and releasing it will also cause the Bolt to close and chamber a loaded cartridge. See Figure 4.
- Tap the Forward Assist to ensure the Bolt is fully forward and closed. See Figure 15. If the Bolt does not fully close, see the "Clearing/Unloading Your Firearm" section of this manual.



FIGURE 15

- Verify the Safety Selector is in the "SAFE" position. If it is in the "Fire" position, rotate it fully to the "SAFE" position.

WARNING! The firearm is now fully loaded with the Safety in the "SAFE" position. Failure to follow safe firearm handling practices as found in *The Ten Commandments of Firearm Safety* may cause property damage, personal injury and/or death.

CHAMBERING A ROUND FROM A CLOSED BOLT

- Always keep the firearm pointed in a safe direction.
- Place the Safety in the "SAFE" position and remove the magazine. See the "Clearing/Unloading Your Firearm" section of this manual.
- Lock the Bolt open by pulling the Charging Handle fully to the rear and pressing the bottom of the Bolt Catch. While depressing the bottom of the Bolt Catch, slide the Charging Handle forward until the Bolt engages the Bolt Catch. See Figure 14.
- Visually and physically verify the Chamber is completely unloaded. See the "Clearing/Unloading Your Firearm" section of this manual.

WARNING! Do not load a hot chamber. An unfired cartridge can discharge if left in a hot barrel. This is often referred to as a "cook-off". An unintentional or uncontrolled discharge of your firearm may cause property damage, personal injury and/or death.

- With the firearm completely unloaded, depress the upper portion of the Bolt Catch button. See Figure 16. This will cause the Bolt to close.



FIGURE 16

- With the Magazine facing forward, center the loaded Magazine in the firearm's Magazine Well and push the Magazine up until the Magazine Catch engages and holds the Magazine.
- Slap upwards on the bottom of the Magazine to ensure it is seated fully.
- Pull down on the Magazine to verify it is securely engaged in the Magazine Well. If the Magazine releases from the Magazine Well, repeat Steps 2 through 7.
- With the firearm pointed in a safe position and a loaded Magazine secured in the Magazine Well, pull the Charging Handle fully rearward and release it to allow the Bolt to close and load a cartridge in the chamber. See Figure 17.



FIGURE 17

- Tap the Forward Assist to ensure the Bolt is fully forward and closed. See Figure 15. If the Bolt does not fully close, see the "Clearing/Unloading Your Firearm" section of this manual.
- Verify the Safety Selector is in the "SAFE" position. If it is in the "Fire" position, rotate it fully to the "SAFE" position.

WARNING! The firearm is now fully loaded with the Safety in the "SAFE" position. Failure to follow safe firearm handling practices as found in *The Ten Commandments of Firearm Safety* may cause property damage, personal injury and/or death.

LOADING AND CHAMBERING A ROUND IN A TOP-LOADING FIREARM (BULLET BUTTON)

- Always keep the firearm pointed in a safe direction.
- Place the Safety in the "SAFE" position and remove the magazine. See the "Clearing/Unloading Your Firearm" section of this manual.
- Lock the Bolt open by pulling the Charging Handle fully to the rear and pressing the bottom of the Bolt Catch. While depressing the bottom of the Bolt Catch, slide the Charging Handle forward until the Bolt engages the Bolt Catch. See Figure 14.
- Visually and physically verify the Chamber is completely unloaded. See the "Clearing/Unloading Your Firearm" section of this manual.

WARNING! Do not load a hot chamber. An unfired cartridge can discharge if left in a hot barrel. This is often referred to as a "cook-off". An unintentional or uncontrolled discharge of your firearm may cause property damage, personal injury and/or death.

- With the firearm completely unloaded, depress the upper portion of the Bolt Catch button. See Figure 16. This will cause the Bolt to close.



FIGURE 18



FIGURE 19



FIGURE 20

- 6 Push the Takedown Pin (a bullet tip may help) as far as it will go to the shooter's right. See Figure 18.
- 7 Pivot the Upper Receiver away from the Lower Receiver. See Figure 19.
- 8 Install a Magazine into your Magazine Well, you should see the feed lips of the Magazine from the top of Lower Receiver.
- 9 With the primer flush with the rear inside face of the Magazine, position a cartridge of proper caliber on top of the Magazine, between the feed lips. See Figure 20.
- 10 With the cartridge properly positioned, push down on the cartridge until it is fully seated in the Magazine. Make sure the cartridge is touching the rear inside face of the Magazine.
- 11 Place the next cartridge on top of the previously seated cartridge and push it down between the feed lips until it is fully seated in the Magazine. The cartridge will sit on the opposite side of the Magazine with respect to the cartridge that preceded it. The primer end of each cartridge should be touching the rear inside face of the Magazine.
- 12 Repeat Step 11 until the Magazine is full. Do not attempt to load the Magazine beyond its capacity as it may damage your firearm.
- 13 With the Magazine loaded, rotate the Upper Receiver downward until it is fully seated on the Lower Receiver.
- 14 Fully push the rear receiver Takedown Pin back into the receiver, locking the Upper Receiver to the Lower Receiver.
- 15 Pull the Charging Handle fully rearward and release it to allow the Bolt to close and chamber a loaded cartridge. See Figure 17.
- 16 Tap the forward assist with the heel of your hand to ensure the Bolt is fully forward and closed. See Figure 15. If the Bolt does not fully close, see the "Clearing/Unloading Your Firearm" section of this manual.

17 Verify the Safety Selector is in the "SAFE" position. If it is in the "Fire" position, rotate fully to the "SAFE" position.

WARNING! The firearm is now fully loaded with the Safety in the "SAFE" position. Failure to follow safe firearm handling practices as found in *The Ten Commandments of Firearm Safety* may cause property damage, personal injury and/or death.

DISCHARGING THE FIREARM

CAUTION! Always wear eye and hearing protection when discharging your firearm. Failure to wear eye and hearing protection may result in personal injury. See *The Ten Commandments of Firearm Safety* section of this manual.

WARNING! The inside of the Barrel must be clean and free of any obstructions. Discharging the firearm with a dirty and/or obstructed Barrel may cause property damage, personal injury and/or death. See *The Ten Commandments of Firearm Safety* section of this manual. If there is an obstruction, see the "Checking for and Removing a Barrel Obstruction" section of this manual.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Load the firearm. See the "Loading Your Firearm" section of this manual.
- 3 Point the muzzle at your intended target.
- 4 Rotate the Safety Selector lever fully to the "Fire" position.
- 5 With the target acquired and the butt of the firearm mounted firmly against your shoulder, place your finger on the trigger and pull the trigger. The firearm will discharge each time the trigger is pulled until the magazine and chamber are empty.

NOTE: After the last round is fired, the Bolt will lock in the rear "open" position.

WARNING! If a cartridge does not discharge when the trigger is pulled (misfire), keep the firearm pointed in a safe direction and wait one minute before opening the Bolt. See the "Clearing/Unloading Your Firearm" section of this manual. Failure to wait could result in a delayed and/or uncontrolled discharge of the cartridge, possibly causing property damage, personal injury and/or death.

WARNING! If the "report" of the discharged cartridge is noticeably softer or louder or in any way irregular, stop shooting. Keep the firearm pointed in a safe direction; unload the firearm and check the bore for obstructions. See the section "Checking For and Removing a Barrel Obstruction" of this manual. Discharging a firearm with an obstruction can cause property damage, personal injury and/or death.

WARNING! If the recoil of the firearm during discharge is harder or softer or in any way irregular; stop shooting. Keep the firearm pointed in a safe direction; unload the firearm and check the bore for obstructions. See the "Checking For and Removing a Barrel Obstruction" section of this manual. Discharging a firearm with an obstruction can cause property damage, personal injury and/or death.

- 6 Without touching the trigger, fully rotate the Safety Selector lever to the "SAFE" position.
- 7 Press the Magazine Release and remove the Magazine. See Figure 8.

- 8 If the Bolt is locked in the open position, the chamber and magazine well are visible through the ejection port, proceed to Step 10.
- 9 Lock the Bolt open by pulling the Charging Handle fully to the rear and pressing the bottom of the Bolt Catch. While depressing the bottom of the Bolt Catch, slide the Charging Handle forward until the Bolt engages the Bolt Catch. See Figure 14.
- 10 With the Bolt locked open, slide the Charging Handle fully forward.
- 11 Look into the Ejection Port and visually check the chamber and magazine well for cartridges; ensuring the firearm is completely unloaded.
- 12 Make sure the barrel is free from obstructions; see “Checking and Removing a Barrel Obstruction” section of this manual.

CHECKING FOR AND REMOVING A BARREL OBSTRUCTION

WARNING! NEVER try to remove an object from the barrel by loading another cartridge and discharging it into the obstruction. This may cause property damage, personal injury and/or death.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector lever in the “SAFE” position and remove the Magazine. See the “Clearing/Unloading Your Firearm” section of this manual.
- 3 Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the section “Clearing/Unloading Your Firearm” in this manual.
- 4 Push the Takedown Pin (a bullet tip may help) as far as it will go to the shooter’s right. See Figure 18.
- 5 Pivot the Upper Receiver away from the Lower Receiver. See Figure 19.
- 6 Carefully pull rearward on the Charging Handle and Bolt Assembly. See Figure 21.



FIGURE 21

- 7 Remove the Bolt Assembly from the Upper Receiver. See Figure 21.
- 8 Check for an obstruction by looking through the Upper Receiver and Barrel from the chamber end.
- 9 If an obstruction exists, insert a Cleaning Rod of the correct size for the caliber of the barrel from the chamber end of the Barrel until it reaches the obstruction.
- 10 Lightly tap the Cleaning Rod against the obstruction to free the object from the barrel.
- 11 Push the Cleaning Rod completely through the Barrel until the rod can be seen at the muzzle.

- 12 If an object cannot be easily pushed out of the Barrel with a Cleaning Rod, return the firearm to the factory or to a Remington Authorized Repair Center.

DISASSEMBLING YOUR FIREARM

NOTE: The R-25 Gil should NOT be disassembled beyond what is described in this manual, except by the factory or a Remington Authorized Repair Center.

WARNING! Before disassembling your firearm ensure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the Safety Mechanism by placing the Safety Lever in the “SAFE” position. Failure to follow these instructions may cause property damage, personal injury and/or death.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector lever in the “SAFE” position and remove the Magazine. See the “Clearing/Unloading Your Firearm” section of this manual.
- 3 Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the section “Clearing/Unloading Your Firearm” in this manual.
- 4 Push the Takedown Pin (a bullet tip may help) as far as it will go to the shooter’s right. See Figure 18.
- 5 Push the Pivot Pin (a bullet tip may help) as far as it will go to the shooter’s right. See Figure 22.



FIGURE 22

NOTE: The Pivot Pin and Takedown Pin are captured in the Lower Receiver to prevent them from falling out and becoming lost.

- 6 Separate Upper Receiver from the Lower Receiver.
- 7 Pull the Charging Handle fully rearward. See Figure 21.
- 8 Pull the Bolt Assembly fully rearward and remove it from the Upper Receiver. See Figure 23.



FIGURE 23

- 9 Remove the Charging Handle by pulling rearward and up until the "Ears" clear the cutouts in the Upper Receiver. See Figure 24.



FIGURE 24

- 10 Remove Firing Pin Retaining Pin. A bullet tip can help push it out of the Bolt Carrier. See Figure 25.



FIGURE 25

NOTE: Do not open or close the split end of Firing Pin Retaining Pin and do not substitute a common cotter pin on re-assembly.



FIGURE 26

- 11 Remove the Firing Pin from the rear of the Bolt Carrier. See Figure 26.
- 12 Push the Bolt fully rearward into the Bolt Carrier.
- 13 Remove the Cam Pin by rotating it $\frac{1}{4}$ turn and lifting it out of the Bolt Carrier. See Figure 27.
- 14 Pull the Bolt Head Assembly out of the Bolt Carrier. See Figure 28.



FIGURE 27



FIGURE 28

- 15 Visually inspect the Bolt Carrier, Bolt Head, Firing Pin, Cam Pin, and Firing Pin Retaining Pin for excessive wear, corrosion or mechanical damage. Replace damaged or broken parts.
- 16 Press the rear of the Extractor to check the Extractor Spring function. The Extractor should return to its original position when the pressure is removed.

DISASSEMBLE USING STEPS 1 THROUGH 5 ONLY WHEN PARTS ARE DIRTY OR DAMAGED.

NOTE: The Extractor Spring is under compression and may be easily lost when the Extractor Pin is removed.

- 1 Remove the Extractor Pin by pushing it out with a punch or the tip of a bullet. See Figure 29. **DON'T LOSE THE SPRING!**
- 2 Remove the Extractor and Extractor Spring. See Figure 30.



FIGURE 29



FIGURE 30



FIGURE 31

- 3 Visually inspect the Bolt Head, Extractor Pin, Extractor, and Extractor Spring for excessive wear, corrosion or mechanical damage. Replace any damaged or broken parts.
- 4 With the Hammer cocked, depress Buffer Retainer with a punch or bullet tip to release the Buffer and Buffer Spring. See Figure 31.

CAUTION! The Buffer is under compression from the Buffer Spring. Carefully control the Buffer as compression of the Buffer Spring is released. Failure to control the Buffer and Buffer Spring as the compression is relieved could result in property damage and/or personal injury.

NOTE: The Hammer needs to be cocked to allow the Buffer and Buffer Spring to clear Lower Receiver.

- 5 Remove the Buffer and Action Spring from the Lower Receiver for cleaning.

INSPECTION/ CLEANING/ LUBRICATION

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the “SAFE” position. Failure to follow these instructions may cause property damage, personal injury and/or death.

WARNING! After each use, follow the lubrication and maintenance directions in the owner’s manual. If the firearm is immersed in water, it must be thoroughly dried, cleaned and lubricated as soon as possible. In case of a saltwater immersion, first flush all parts with fresh water then dry, clean and lubricate the firearm. If the firearm does not function properly have it checked and repaired by a Remington Authorized Repair Center before further use. Failure to follow these instructions may lead to firearm malfunctions which could result in property damage, personal injury and/or death.

WARNING! Excessive use of a lubricant could adversely affect the function and safe operation of your firearm. Failure to properly maintain your firearm can not only damage your firearm, it can expose you and others to unnecessary risks of property damage, personal injury and/or death.

NOTE: The procedures below describe cleaning your firearm with a standard military issue multi-piece rod cleaning kit. Other commercial cleaning kits may include alternate cleaning instructions which may be just as effective.

After discharging your firearm, clean it as soon as possible to avoid corrosion. When your firearm has not been fired, you should clean it at least once or twice a year if you live in a temperate climate or as often as once a week in a tropical climate.

When the firearm is to be stored, it should be carefully cleaned and thoroughly oiled. Outside metal surfaces should be wiped with oil occasionally. When the firearm is to be reused, all excess lubrication must be removed prior to use. The chamber and bore must be thoroughly wiped dry. For safe and dependable operation of your firearm the barrel and action must be cleaned periodically.

WARNING! The use of non-recommended lubricants or cleaners could adversely affect the function and safe operation of your firearm. Do not use congealing lubricants. The use of non-congealing lubricants such as DPMS CLAW® oil is strongly recommended. The use of improper lubricants could cause property damage, personal injury and/or death.

NOTE: DPMS CLAW Oil is available from your local dealer. If your dealer is out of stock, ask them to order it from their Remington Distributor.

CLEANING THE BORE

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the “SAFE” position. Failure to follow these instructions may cause property damage, personal injury and/or death.

CAUTION! Always wear eye protection when handling, disassembling and reassembling the firearm. Not wearing eye protection may lead to serious personal injury.

The bore of your firearm has Lands and Grooves called “Rifling”. Rifling makes the bullet spin very fast as it moves down the Bore and down range. Rifling also makes it difficult to push a new, stiff Bore Brush through the Bore. You will find it much easier and more effective to pull your Bore Brush through the Bore. Also, because the brush will clean better if the bristles follow the grooves (this is called tracking), you want the Bore Brush to be allowed to turn as you pull it through.

Always Clean From Chamber Toward the Muzzle.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector lever in the “SAFE” position and remove the Magazine. See the “Clearing/Unloading Your Firearm” section of this manual.
- 3 Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the “Clearing/Unloading Your Firearm” section in this manual.
- 4 Disassemble the firearm per the instructions in the “Disassembling Your Firearm” section of this manual.
- 5 Attach the three Cleaning Rod sections together but leave each one about two turns short of being tight.
- 6 Attach the Patch Holder to the Cleaning Rod but leave it two turns short of being tight.
- 7 Holding only the Upper Receiver in one hand, point Muzzle down.
- 8 Insert the threaded end of the Cleaning Rod into the Chamber. Guide the Rod carefully through the Bore. About 2-3 inches of the Rod should protrude out of the Muzzle.

NOTE: Do not let the Cleaning Rod or its threaded end scratch the Bore or the Chamber. Scratches in the Bore can degrade accuracy.

- 9 Attach the handle section of the cleaning rod to the end of the rod sticking out of the Muzzle.
 - 10 Attach a Patch moistened with Remington Brite Bore™ to the Patch Holder.
 - 11 Pass the Patch through the Bore several times; removing loose residue and fouling.
 - 12 Remove Patch Holder and attach the Bore Brush (leaving it two turns short of tight).
 - 13 Remove the Handle section of the Cleaning Rod.
 - 14 Insert the threaded end of the Cleaning Rod into the Chamber. Guide the Rod carefully through the Bore.
 - 15 Attach the Handle section of the Cleaning Rod to the end of the Rod sticking out of the Muzzle.
 - 16 Pull the Brush through the Bore and out the Muzzle. You should be able to see the Rod twisting as you pull it — this is the brush “tracking” in the rifling. Never reverse the direction of the Bore Brush while it is in the Bore.
 - 17 After each pass through the bore, take off the Handle section and repeat Steps 13 through 16 three to four times. If the three rod sections and the Bore Brush become screwed tightly together, loosen them two turns.
 - 18 Repeat Steps 7 through 17 until the Bore is clean.
 - 19 Push a clean Patch saturated with DPMS CLAW Oil through the barrel.
 - 20 Push a clean dry Patch through the barrel to remove excess lubricant.
 - 21 Apply a light coating of DPMS CLAW Oil to the outside of the barrel with a soft clean cloth.
- 3 Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the section “Clearing/Unloading Your Firearm” in this manual.
 - 4 Disassemble the firearm per the instructions in the “Disassembling Your Firearm” section of this manual.
 - 5 Using Remington Action Cleaner to clean all areas of the Upper Receiver (inside and out) of powder fouling, corrosion and dirt. To avoid scratching and damaging the finish of your aluminum Upper Receiver, never use a wire brush or any type of abrasive cleaner. A small brush with nylon bristles works well for loosening built-up dirt/residue and will not scratch the Receiver.
 - 6 Clean the Chamber using the larger Chamber Brush dipped in Remington BoreBrite cleaning solvent. Use at least five (5) plunge strokes and three (3) 360° clockwise rotations when cleaning the Chamber.
 - 7 Swab out the Bore as described in the “Cleaning the Bore” section of this manual, to remove contaminated solution or loosened fouling.
 - 8 Wipe all components clean and dry.
 - 9 Inspect all components for excessive wear, corrosion or mechanical damage. Have your Remington Authorized Repair Center replace any worn, damaged, or defective parts before discharging the firearm again.

WARNING! After cleaning, make sure the barrel and chamber are free of obstructions, see the “Checking For and Removing a Barrel Obstruction” section of this manual. Discharging a firearm with a dirty and/or obstructed barrel may cause property damage, personal injury and/or death.

CLEANING THE UPPER RECEIVER

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the “SAFE” position. Failure to follow these instructions may cause property damage, personal injury and/or death.

WARNING! Check to ensure that there is no looseness between the Barrel and the Upper Receiver. If you detect any movement by twisting or pulling the barrel relative to the receiver, the Barrel Nut must be re-torqued. Have the firearm serviced by the factory or a Remington Authorized Repair Center before further use. Failure to follow these instructions may lead to firearm malfunctions which could result in property damage, personal injury and/or death.

CAUTION! Always wear eye protection when handling, disassembling and reassembling the firearm. Not wearing eye protection may lead to serious personal injury.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector lever in the “SAFE” position and remove the magazine. See the “Clearing/Unloading Your Firearm” section of this manual.

CLEANING THE BOLT, BOLT CARRIER AND COMPONENTS

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the “SAFE” position. Failure to follow these instructions may cause property damage, personal injury and/or death.

CAUTION! Always wear eye protection when handling, disassembling and reassembling the firearm. Not wearing eye protection may lead to serious personal injury.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector lever in the “SAFE” position and remove the magazine. See the “Clearing/Unloading Your Firearm” section of this manual.
- 3 Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the section “Clearing/Unloading Your Firearm” in this manual.
- 4 Disassemble the firearm per the instructions in the “Disassembling Your Firearm” section of this manual.
- 5 Use the Bore Brush (wet with Remington Action Cleaner) to clean carbon and powder residue from around the Gas Tube. See Figure 32.
- 6 Run a pipe cleaner through the Bolt Carrier Key. See Figure 33.
- 7 Using a brush wet with Remington Action Cleaner, clean the Bolt Locking Lugs, Bolt Rings, Firing Pin and Bolt Cam Pin. See Figure 34.
- 8 Using a nylon-bristle brush wet with Remington Action Cleaner, clean the Extractor Spring. See Figure 35.



FIGURE 32



FIGURE 33



FIGURE 34



FIGURE 35

- 9 Wipe all components clean and dry.
- 10 Inspect all components for excessive wear, corrosion or mechanical damage. Have the factory or a Remington Authorized Repair Center replace any worn, damaged, or defective parts before discharging the firearm again.

WARNING! When checking the Bolt, look for cracks or fractures, especially in the Cam Pin Hole area. A bolt with cracks or fractures should be replaced. Use of a cracked or fractured Bolt may cause property damage, personal injury and/or death.

WARNING! When checking the Bolt Face, the Bolt should be replaced if any pitting extends into the Firing Pin Hole. Use of a pitted Bolt Face may cause property damage, personal injury and/or death.

WARNING! When checking the Bolt Cam Pin, it should be replaced if it is cracked or chipped. Use of a damaged Cam Pin may cause property damage, personal injury and/or death.

NOTE: When checking the Firing Pin, it should be replaced if it is bent, cracked, too blunted or too sharp. Misfires often result from the use of a damaged Firing Pin.

NOTE: When checking the Firing Pin Retaining Pin, it should be replaced if it is bent or badly worn. Never use a “Cotter Pin” as a substitute for a real Firing Pin Retaining Pin. Cotter Pins are not made of heat treated spring steel and their round head shape may cause damage to the Upper Receiver.

NOTE: When checking the Extractor and Extractor Spring, the Extractor should be replaced if it is chipped or has broken edges in the area of the lip that engages the cartridge case head. The Extractor Spring (metal or synthetic) should be replaced if it is cracked or broken. The Extractor Spring O-Ring (if equipped) should be replaced if it is cracked or broken.

CLEANING/LUBRICATING THE EJECTORS

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the “SAFE” position. Failure to follow these instructions may cause property damage, personal injury and/or death.

CAUTION! Always wear eye protection when handling, disassembling and reassembling the firearm. Not wearing eye protection may lead to serious personal injury.

NOTE: Disassembly of the Ejectors is not recommended.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector lever in the “SAFE” position and remove the magazine. See the “Clearing/Unloading Your Firearm” section of this manual.
- 3 Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the “Clearing/Unloading Your Firearm” section in this manual.
- 4 Disassemble the firearm per the instructions in the “Disassembling Your Firearm” section of this manual.
- 5 With the Bolt removed from the Bolt Carrier and the Extractor installed, place a few drops of DPMS CLAW Oil around the Ejectors to form a puddle. See Figure 36.
- 6 Take a fired case or dummy cartridge and place it under the lip of the Extractor.



FIGURE 36

- 7 With a rocking motion, press the cartridge down against the Ejectors. The Ejectors is spring-loaded and some resistance will be felt.
- 8 Depress the Ejectors with the cartridge until it stops against the bolt face.
- 9 Allow the Ejectors to fully extend by releasing pressure from the cartridge.
- 10 Repeat Steps 7 through 9 several times until the Ejectors move smoothly. Add DPMS CLAW Oil frequently.
- 11 Wipe all components clean and dry.
- 12 Inspect all components for excessive wear, corrosion or mechanical damage. Have the factory or a Remington Authorized Repair Center replace any worn or defective parts before discharging the firearm again.

CLEANING THE LOWER RECEIVER

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the "SAFE" position. Failure to follow these instructions may cause property damage, personal injury and/or death.

CAUTION! Always wear eye protection when handling, disassembling and reassembling the firearm. Not wearing eye protection may lead to serious personal injury.

NOTE: For component identification see Exploded View on Pgs 24-25.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector lever in the "SAFE" position and remove the magazine. See the "Clearing/Unloading Your Firearm" section of this manual.
- 3 Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the "Clearing/Unloading Your Firearm" section in this manual.
- 4 Disassemble the firearm per the instructions in the "Disassembling Your Firearm" section of this manual.
- 5 Using Remington Action Cleaner, clean all areas of the Lower Receiver (inside and out) of powder fouling, corrosion, and dirt. To avoid scratching and damaging the finish of your aluminum Lower Receiver, never use a wire brush or any type of abrasive cleaner. A small brush with nylon bristles works well for loosening build-up and will not scratch the Receiver.
- 6 Wipe any dirt from the Trigger mechanism.
- 7 Carefully clean the Magazine Catch Button and the cavity for the Magazine Catch on the left side of the Receiver.
- 8 Inspect and wipe clean the Bolt Catch mechanism.
- 9 Inspect and wipe clean the Receiver's Takedown and Pivot Pins.
- 10 Wipe clean the Buffer and Action Spring.
- 11 Wipe clean the inside of the Lower Receiver Extension (Buffer Tube). A piece of rag attached to the Cleaning Rod and Patch Holder can be used to wipe inside the Buffer Tube.
- 12 Wipe all components clean and dry.
- 13 Inspect all components for excessive wear, corrosion or mechanical damage. Have your Remington Authorized Repair Center replace any worn, damaged, or defective parts before discharging the firearm again.

LUBRICATION – UPPER AND LOWER RECEIVERS

Upper Receiver

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the "SAFE" position. Failure to follow these instructions may cause property damage, personal injury and/or death.

CAUTION! Always wear eye protection when handling, disassembling and reassembling the firearm. Not wearing eye protection may lead to serious personal injury.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector lever in the "SAFE" position and remove the magazine. See the "Clearing/Unloading Your Firearm" section of this manual.
- 3 Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the "Clearing/Unloading Your Firearm" section in this manual.
- 4 Disassemble the firearm per the instructions in the "Disassembling Your Firearm" section of this manual.
- 5 Inspect, clean and lubricate the firearm per the instructions in the "Inspection/Cleaning/Lubricating" section of this manual.
- 6 Lightly lubricate the inside of the Upper Receiver, the Bore and Chamber (using the Cleaning Rod and a Patch).
- 7 Lightly lubricate the outer surfaces of the Barrel, Front Sight, and surfaces under the Hand Guard.
- 8 The Forward Assist should be lightly lubricated inside the Receiver and checked that it moves freely, including returning to its fully extended position when it is released.

Lower Receiver

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the "SAFE" position. Failure to follow these instructions may cause property damage, personal injury and/or death.

CAUTION! Always wear eye protection when handling, disassembling and reassembling the firearm. Not wearing eye protection may lead to serious personal injury.

- 1 Always keep the firearm pointed in a safe direction.
- 2 Place the Safety Selector lever in the "SAFE" position and remove the magazine. See the "Clearing/Unloading Your Firearm" section of this manual.
- 3 Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the "Clearing/Unloading Your Firearm" section in this manual.
- 4 Disassemble the firearm per the instructions in the "Disassembling Your Firearm" section of this manual.
- 5 Inspect, clean and lubricate the firearm per the instructions in the "Inspection/Cleaning/Lubricating" section of this manual.
- 6 Lightly lubricate inside the Lower Receiver Extension (Buffer Tube).
- 7 Lightly lubricate the buffer and the Action Spring.

- Lubricate all the moving parts inside the Lower Receiver, including the Trigger, Hammer, Safety, Bolt Catch, Magazine Catch and their various Pins and Detents.
- Lightly lubricate the Takedown and Pivot Pins and their Detents. Use an oiled rag to wipe off any fingerprints on the exterior surfaces. (They can start the corrosion process.)

Bolt Assembly

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the “SAFE” position. Failure to follow these instructions may cause property damage, personal injury and/or death.

CAUTION! Always wear eye protection when handling, disassembling and reassembling the firearm. Not wearing eye protection may lead to serious personal injury.

- Always keep the firearm pointed in a safe direction.
- Place the Safety Selector lever in the “SAFE” position and remove the magazine. See the “Clearing/Unloading Your Firearm” section of this manual.
- Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the “Clearing/Unloading Your Firearm” section in this manual.
- Disassemble the firearm per the instructions in the “Disassembling Your Firearm” section of this manual.
- Inspect, clean and lubricate the firearm per the instructions in the “Inspection/Cleaning/Lubricating” section of this manual.
- Lightly lubricate the Firing Pin and the Firing Pin recess in the Bolt with oil.
- Lubricate the Bolt, its Cam Pin area and the Bolt Gas Rings.
- Lightly lubricate the Extractor and its Pin.
- Lightly lubricate the Charging Handle and its Latch and Spring.
- Lightly lubricate the inner and outer surfaces of the Bolt Carrier. Generously lubricate the Cam Pin area and the “Slide” Rail areas of the Bolt Carrier where they contact the inside of the Receiver.
- The inside of the Carrier key on the Bolt Carrier should be dried with a Q-Tip or Pipe Cleaner – then place one drop of DPMS CLAW Oil inside.

REASSEMBLING YOUR FIREARM

WARNING! Before cleaning your firearm, make sure it is completely unloaded (the Chamber is empty and the Magazine removed) and engage the safety mechanism by placing the Safety Selector in the “SAFE” position. Failure to follow these instructions may cause property damage, personal injury and/or death.

WARNING! No components/parts may be left out of the firearm during reassembly. Failure to use all the components/parts and assemble them properly may cause property damage, personal injury and/or death.

CAUTION! Always wear eye protection when handling, disassembling and reassembling the firearm. Not wearing eye protection may lead to serious personal injury.

- Always keep the firearm pointed in a safe direction.
- Place the Safety Selector lever in the “SAFE” position and remove the magazine. See the “Clearing/Unloading Your Firearm” section of this manual.
- Pull and hold the Charging Handle fully rearward to inspect the chamber. See Figure 10. Visually and physically verify the chamber is completely unloaded. See the “Clearing/Unloading Your Firearm” section in this manual.
- Inspect, clean and lubricate the firearm per the instructions in the “Inspection/Cleaning/Lubricating” section of this manual.
- Ensure the Hammer is fully cocked and the Safety Lever is in the “SAFE” position.
- Insert the Buffer into the Buffer Spring and slide both into the Buffer Tube Spring first. Push the Buffer to the rear until it locks in place. See Figure 37.



FIGURE 37

- Insert the Extractor Spring into the Extractor. See Figure 38.



FIGURE 38

- Firmly push the Extractor Assembly into the Bolt to compress the Extractor Spring and reinsert Extractor Pin. See Figure 39.



FIGURE 39

- Press the rear of the Extractor to check the Extractor Spring Function. The Extractor should return to its original position when the pressure is removed.



FIGURE 40



FIGURE 41

- 10 Insert Bolt head into Bolt Carrier. See Figure 40.
- 11 Rotate the Bolt to align the Cam Pin Hole in the Bolt with the Cam Profile in the Bolt Carrier.
- 12 Insert the Cam Pin in the Bolt Assembly. See Figure 41.

NOTE: The Cam Pin can only be installed in Bolt from one side. If the Cam Pin cannot be inserted, rotate the Bolt 180° and try again.

- 13 Once Cam Pin is fully inserted, rotate it ¼ turn. This will allow insertion of the Firing Pin.

WARNING! This firearm can discharge without the Cam Pin present. Discharging the firearm without the Cam Pin present and properly installed in the bolt group may cause property damage, personal injury and/or death.



FIGURE 42

- 14 Insert the Firing Pin into the Bolt Assembly. See Figure 42.
- 15 Pull Bolt fully forward of the Bolt Carrier. See Figure 43.
- 16 Reinsert the Firing Pin Retaining Pin. See Figure 44.

NOTE: After inserting the Firing Pin Retaining Pin, the Firing Pin should not fall out when the Bolt Carrier group is turned with the Bolt facing up.



FIGURE 43



FIGURE 44

WARNING! Do not interchange Bolts between different firearms. Using an improper Bolt with your firearm may cause property damage, personal injury and/or death..

- 17 Insert the Charging Handle into the Upper Receiver and lower the "ears" at front end of Handle into cutouts in Upper Receiver. See Figure 45. The Charging Handle should now slide freely in the Charging Handle Channel in the Upper Receiver.



FIGURE 45

- 18 Retract the Charging Handle approximately halfway to the rear to allow the Gas Key to engage the Charging Handle.
- 20 Insert the complete Bolt Carrier Assembly into Upper Receiver. The Gas Key will fit into groove in the Charging Handle. See Figure 45.
- 21 Ensure the Bolt Head is pulled fully forward (See Figure 43) and Slide the Bolt Carrier Assembly and Charging Handle fully into the Upper Receiver. The Charging Handle Latch will lock onto the Upper Receiver.

NOTE: If the bolt is not fully pulled forward of the Bolt Carrier when the assembly is inserted into the Upper Receiver, the Cam Pin will hit the receiver, preventing assembly.

- 22 To join the Upper and Lower Receivers, position the Pivot Pin Lug of the Upper Receiver into the slot at front of Lower Receiver and push the Pivot Pin into place.
- 23 Pivot the Upper Receiver onto the Lower Receiver until they are fully mated.
- 24 Push in the Takedown Pin.

NOTE: The Pivot Pin and Takedown Pin are captured in the Lower Receiver, preventing them from falling out and becoming lost.

- 25 Conduct a Safety Function Check per the steps shown in the "Safety Function Check" section of this manual.

COMPONENT VARIATIONS

This manual is intended to instruct the Remington Firearm Operator in all necessary aspects of Maintenance, Disassembly, Reassembly, Operation and Troubleshooting of any Remington Modern Sporting Rifle (MSR). Within the Remington MSR family, there may be variation of barrel length, stock type, receiver, forend and sights. The firearm you own, or are using, may vary in appearance from the photographs and illustrations in this manual, but the concepts, procedures and practices recommended are universal to the Remington MSR family.

MAGAZINES

The Remington Modern Sporting Rifle is designed to function with DPMS/SR-25 or Magpul P-Mags.

SOUND SUPPRESSORS

Only use sound suppressors with Remington Modern Sporting Rifles specifically designated as compatible with sound suppressors. Inappropriately pairing a sound suppressor with a Remington MSR may reduce product reliability. Consult Remington at 1-800-243-9700 before pairing your Remington MSR with a sound suppressor.

BARREL CONDITIONING AND ACCURACY

To achieve the best results for accuracy you should clean the chamber and bore after every round for the first 25 rounds and then every 10 rounds up to 100 rounds. It usually takes about 200 rounds per Barrel for optimum accuracy.

FIREARMS MODIFICATIONS

Altering or modifying parts is dangerous and will void the warranty. This Remington firearm was manufactured to perform properly with the original parts as designed. It is your duty to make sure any parts you buy are made for this firearm and are installed correctly and that neither the replacements nor originals are altered or changed. Your Remington firearm is a complex precision tool with many parts that must relate correctly to other parts in order for proper and safe operation. Putting a firearm together incorrectly or with incorrect or modified parts can result in a damaged firearm, serious personal injury and/or death to you and others through malfunction. See page 26 for information on obtaining parts and service.

MAINTENANCE IN EXTREME WEATHER

EXTREME COLD: Clean and lubricate firearm in a warm location with the firearm at room temperature. Do not lay a warm firearm directly on snow or ice. Moving a cold firearm into a warm area may cause condensation to form on the firearm which could keep the firearm from functioning properly.

HOT, WET CLIMATES: Clean and lubricate the firearm more frequently in humid climates. Inspect hidden surfaces of Bolt and Carrier Assembly, Upper Receiver, and Chamber/Barrel Extension (Locking Lugs), Lower Receiver and Receiver Extension Assembly (Buffer Tube) for rust or corrosion. Also pay close attention to the Spring Loaded Detents on the firearm. Wipe off any hand/finger prints on the firearm as they can accelerate the onset of rust or corrosion.

RAIN: Do not discharge a firearm if water is present in the Barrel. Always drain any water from Barrel and dry the Bore with a swab and cleaning rod prior to firing.

FIREARM SALE OR TRANSFER

If your firearm has been adjusted or changed in any way, and you intend to sell or otherwise transfer possession of your MSR, you must: 1) provide a complete service record, 2) warn the purchaser or recipient of your firearm that it has been adjusted or modified, and 3) give the purchaser or recipient this owner's manual for review and reference. If you do not wish to sell or transfer your MSR in an adjusted condition (recommended), contact Remington for information on restoring your MSR to the original factory conditions. DO NOT attempt to restore the firearm to factory conditions yourself.

WARNING! NEVER alter or modify any part of the firearm. Improper alterations can make the firearm unsafe and result in property damage, personal injury and/or death.

This firearm should not be sold where prohibited by federal, state, or local laws.

All rights to this instruction manual are reserved. The information in this document is subject to change without notice. Remington reserves the right to change the content herein without the obligation to notify any person or organization of such changes.

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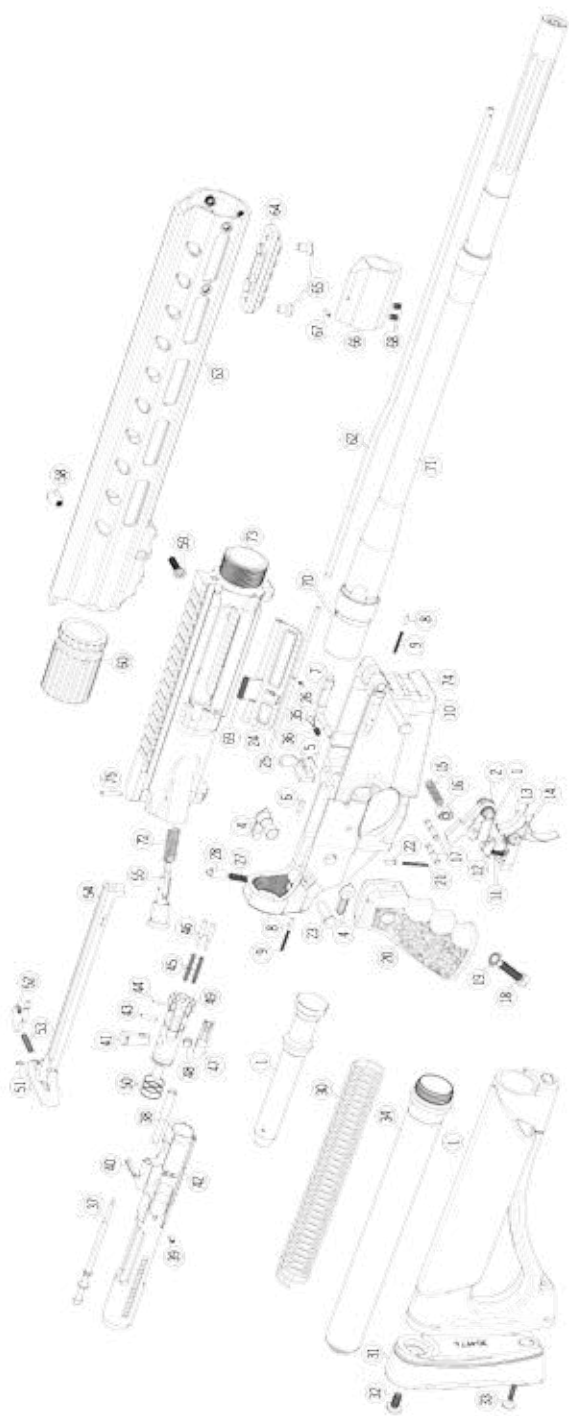
WARNING! Incorrectly assembling the firearm or the use of modified or incorrect parts can result in damage to your firearm, property damage, personal injury and/or death to you or others. See page 26 for instructions for repair services.

TROUBLESHOOTING

PROBLEM	CHECK FOR	WHAT TO DO
FIREARM WON'T FIRE	SAFETY SELECTOR ON "SAFE" IMPROPER ASSEMBLY OF FIRING PIN TOO MUCH OIL IN FIRING PIN RECESS THROUGH BOLT DEFECTIVE AMMUNITION TOO MUCH CARBON ON FIRING PIN OR IN FIRING PIN RECESS	Place the Safety Selector on "FIRE" Assembly correctly — Retaining Pin goes in back of large shoulder on Firing Pin Wipe out with pipe cleaner Remove and change ammunition Clean
BOLT WON'T UNLOCK	DIRTY OR DAMAGED BOLT	Clean or See your Remington Authorized Repair Center
WON'T EXTRACT	BROKEN EXTRACTOR SPRING DIRTY OR CORRODED AMMO CARBON IN CHAMBER FOULING OR CARBON IN EXTRACTOR RECESS OR LIP DIRTY/BINDING EXTRACTION FROZEN EXTRACTOR RESTRICTED BUFFER ASSEMBLY RESTRICTED MOVEMENT OF BOLT CARRIER GROUP	See Remington Authorized Repair Center Remove stuck round with cleaning rod Clean Chamber Clean Extractor Remove and Clean Remove and Clean Remove and Clean Remove, clean, and lubricate (before putting Bolt back in, ensure Gas Tube fits into Carrier key and that the Carrier moves freely)
DOUBLE FEED	DEFECTIVE MAGAZINE DEFECTIVE AMMUNITION	Replace Replace
WILL NOT CHAMBER	DIRTY OR CORRODED AMMUNITION INCORRECT AMMUNITION DEFECTIVE MAGAZINE	Remove and change ammunition Use ammunition that matches the markings on the barrel of the firearm Replace
BOLT CARRIER JAMMED OPEN	ROUND JAMMED BETWEEN BOLT AND CHARGING HANDLE AND/OR DOUBLE FEED	<ul style="list-style-type: none"> Remove Magazine Push in on the bottom of the Bolt Latch. While pulling down on the Charging Handle, tap the firearm butt on the ground. Bolt should lock to rear. While Bolt is held to the rear, round should fall through the Magazine Well. <p>NOTE: If this procedure fails, use a section of the cleaning rod to push the bolt fully to the REAR THROUGH THE EJECTION PORT.</p>
WON'T FEED	DIRTY OR CORRODED AMMUNITION DIRTY MAGAZINE DEFECTIVE MAGAZINE TOO MANY ROUNDS IN MAGAZINE ACTION OF BUFFER ASSEMBLY IS RESTRICTED MAGAZINE NOT FULLY SEATED INCORRECT AMMUNITION	Remove and change ammunition Clean Replace Take out excess Clean the Buffer and Action Spring Adjust Magazine Catch: Press magazine catch button on right side, then turn catch on left side; turn Catch clockwise to tighten or counterclockwise to loosen. Use ammunition that matches the markings on the barrel of the firearm.
SHORT RECOIL	LOOSE CARRIER KEY SCREWS	Have a Remington Authorized Repair Center torque and stake the key screws
BOLT FAILS TO LOCK OPEN AFTER LAST ROUND	Q-TIP, PIPE CLEANER PIECES OR OTHER DEBRIS STUCK INSIDE CARRIER KEY	Clean out if possible or have firearm check by a Remington Authorized Repair Center
SAFETY SELECTOR LEVER BINDS	NEEDS OIL DIRT OR SAND UNDER TRIGGER	Lubricate with oil Clean

REMINGTON R25 GII MODERN SPORTING RIFLE

EXPLODED VIEW



Schematic is provided for part identification only and should not be used as a guide to assemble the firearm.

NOTE: Parts are subject to change without notice.

Some components may be restricted from sale. For details on how to order parts see "How to Obtain Parts and Service from Remington" on page 26.

Have your firearm's serial number available when ordering parts to ensure the correct components are obtained for your particular firearm configuration.

REMINGTON R25 GII MODERN SPORTING RIFLE

PARTS LIST

ITEM No	PART NAME	ITEM No	PART NAME	ITEM No	PART NAME
1	Buffer Assembly	21	Safety Detent Spring	41	Cam Pin
2	Hammer	22	Safety Detent	42	Bolt Carrier
3	Hammer Spring	23	Takedown Pin	43	Extractor Pin
4	Safety Selector Lever	24	Ejection Port Cover	44	Ejector Roll Pin
5	Bolt Catch	25	Ejection Port Cover Pin	45	Ejector Spring (2)
6	Bolt Catch Roll Pin	26	Ejection Port Cover Pin Clip	46	Ejector (2)
7	Magazine Catch	27	Buffer Retainer Spring	47	Extractor
8	Detent Pin (2)	28	Buffer Retainer	48	Extractor Spring
9	Detent Spring (2)	29	Buttstock Sling Stud	49	Bolt
10	Pivot Pin	30	Buffer Spring	50	Bolt Gas Rings
11	Disconnecter Spring	31	Remington Hunter Buttstock	51	Charging Handle Latch Roll Pin
12	2 Stage Disconnecter	32	Upper Buttplate Screw	52	Charging Handle Latch
13	Trigger	33	Lower Buttplate Screw	53	Charging Handle Latch Spring
14	Trigger Spring	34	Buffer Tube	54	Charging Handle
15	Magazine Catch Spring	35	Bolt Catch Buffer	55	Forward Assist Assembly
16	Magazine Catch Button	36	Bolt Catch Buffer Spring	56	Feed Ramp
17	Hammer & Trigger Pins	37	Firing Pin	57	Feed Ramp Pins
18	Pistol Grip Screw	38	Bolt Carrier Key Tube	58	Free Float Locking Nut
19	Lock Washer	39	Bolt Carrier Key Tube Retaining Pin	59	Free Float Locking Screw
20	Pistol Grip	40	Firing Pin Retaining Pin	60	Barrel Nut
				61	2 Stage Disconnecter
				62	Rifle Length
				63	Carbon Fiber Free Float Tube
				64	III Rail Section
				65	III Rail Section Screws (2)
				66	Gas Block
				67	Gas Tube Roll Pin
				68	Gas Block Set Screws (2)
				69	Ejection Port Cover Spring
				70	Barrel Extension
				71	Barrel
				72	Forward Assist Spring
				73	Upper Receiver
				74	Lower Receiver
				75	Forward Assist Retaining Pin

HOW TO OBTAIN PARTS AND SERVICE FROM REMINGTON

To Order Parts:

To order parts please visit www.shopremingtoncountry.com or call 1-800-243-9700. For additional information on service enhancements, upgrades, repair, additional barrels, and specialty parts visit www.remington.com.

To place an order or for additional information on service enhancements, upgrades, and specialty parts, please call our toll-free customer service number, 1-800-243-9700, Mon.-Fri., 9:00 AM-5:00 PM Eastern time.

1. Fax completed order form (from the web site) to 1-336-548-7801.
2. To order by phone without the order form call 1-800-243-9700.

Please have the following information ready before you call.

- Firearm model and serial number.
- Part description and quantity. Part descriptions can be found on the parts listing page in this manual.
- Your complete mailing address (P.O. Box and Street Address) including zip code, telephone number and e-mail address.
- Method of payment: MasterCard, Visa, Amex or Discover card number and expiration date. Prepayment may be made by check or money order. A quote may be made to you over the phone. (Sorry, no C.O.D.s.)

WARNING! Use only Remington parts in Remington firearms. Failure to follow these instructions may lead to property damage, personal injury, and/or death.

NOTE: Some parts may be restricted. See parts list for details. Owner's manuals/ instruction books may be requested via our web site at: www.remington.com or by calling 1-800-243-9700.

Repair Services

If there is a defect with your Remington firearm that (i) you believe is, or should be, covered by the Warranty, (ii) you would like Remington to address at your cost and expense, or (iii) you would otherwise like to discuss with Remington, please contact Remington Consumer Services at 1-800-243-9700, Mon.-Fri., 9:00 AM - 5:00 PM Eastern Time. Please do not send your firearm or other item to Remington without first (a) calling this number, (b) receiving instructions from the Remington representative, and (c) obtaining a Service Request document containing your Service Repair Number. With regards to the Service Request document, Remington will either e-mail this document to you or, if you do not have an e-mail address, Remington will mail it to you. Please be sure to store your Service Request document in your records so that it is both safe and accessible. Finally, to the extent you seek Warranty coverage, please review the Warranty for your Remington firearm and note that you may void your Warranty by taking action without first contacting Remington.

WARNING! Do not send live ammunition or spent shells in your firearm or in the same box with the firearm. If you feel you must send spent shells, please send them in a separate package and include name, address (with zip code), telephone number, model and serial number of your firearm.

FIREARM MAINTENANCE RECORD

DATE	SERVICE	PERFORMED BY:

FIREARM MAINTENANCE RECORD

DATE	SERVICE	PERFORMED BY:



R-25
GII

OWNER'S MANUAL

Remington.

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