PM1221

INSTRUCTION MANUAL FOR

RUGER® HARRIER™

AUTOLOADING RIFLE

– Rugged, Reliable Firearms® –

READ THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL CAREFULLY BEFORE USING THIS FIREARM

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For Service on This Model Please Call:
(336) 949-5200 (See p. 48)

THIS INSTRUCTION MANUAL SHOULD ALWAYS ACCOMPANY THIS FIREARM AND BE TRANSFERRED WITH IT UPON CHANGE OF OWNERSHIP, OR WHEN THE FIREARM IS LOANED OR PRESENTED TO ANOTHER PERSON

RUGER.COM

RH 3/2026 R1

State-By-State Warnings

Certain states require by law that their own specified warning notices in larger-than-normal type be conspicuously included by the manufacturer, distributor or retailer with firearms sold in that state. Sturm, Ruger & Co., Inc. sells its products in compliance with applicable laws and regulations. Because our products may be sold in these states, we include the following:

California:

⚠ WARNING

"Firearms must be handled responsibly and securely stored to prevent access by children and other unauthorized users. California has strict laws pertaining to firearms, and you may be fined or imprisoned if you fail to comply with them. Visit the Web site of the California Attorney General at https://oag.ca.gov/firearms for information on firearm laws applicable to you and how you can comply.

Prevent child access by always keeping guns locked away and unloaded when not in use. If you keep a loaded firearm where a child obtains and improperly uses it, you may be fined or sent to prison.

If you or someone you know is contemplating suicide, please call the national suicide prevention lifeline at 1-800-273-TALK (8255)."

⚠ ADVERTENCIA

"Las armas de fuego deben manipularse de manera responsable y segura para evitar el acceso de niños y otros usuarios no autorizados. California tiene leyes estrictas relacionadas con armas de fuego, y usted puede ser multado o encarcelado si no las cumple. Visite el sitio web del Procurador General de California en https://oag.ca.gov/firearms para obtener información sobre las leyes de armas de fuego que le son aplicables y cómo puede cumplirlas.

A los niños los atraen las armas de fuego y las pueden hacer funcionar. Ellos pueden causarse lesions graves y la muerte. Evite que los niños tengan accesso a las armas de fuego guardándolas siempre con llave y descargadas cuando no las esté utilizando. Si usted tiene un arma de fuego cargada en un lugar en que un niño tiene acceso a ella y la usa indebidamente, le pueden dar una multa o enviarlo a la carcel.

Si usted o alguien que conoce está pensando en suicidarse, llame a la línea nacional de prevención del suicidio al 1-800-273-TALK (8255)."

Connecticut:

"UNLAWFUL STORAGE OF A LOADED FIREARM MAY RESULT IN IMPRISONMENT OR FINE."

Florida:

"IT IS UNLAWFUL, AND PUNISHABLE BY IMPRISONMENT AND FINE, FOR ANY ADULT TO STORE OR LEAVE A FIREARM IN ANY PLACE WITHIN THE REACH OR EASY ACCESS OF A MINOR UNDER 18 YEARS OF AGE OR TO KNOWINGLY SELL OR OTHERWISE TRANSFER OWNERSHIP OR POSSESSION OF A FIREARM TO A MINOR OR A PERSON OF UNSOUND MIND."

Massachusetts:

IT IS UNLAWFUL TO STORE OR KEEP A FIREARM, RIFLE, SHOTGUN OR MACHINE GUN IN ANY PLACE UNLESS THAT WEAPON IS EQUIPPED WITH A TAMPER-RESISTANT SAFETY DEVICE OR IS STORED OR KEPT IN A SECURELY LOCKED CONTAINER."

New ,Jersey:

"IT IS A CRIMINAL OFFENSE, PUNISHABLE BY A FINE AND IMPRISONMENT, FOR AN ADULT TO LEAVE A LOADED FIREARM WITHIN EASY ACCESS OF A MINOR."

New York:

"THE USE OF A LOCKING DEVICE OR SAFETY LOCK IS ONLY ONE ASPECT OF RESPONSIBLE FIREARM STORAGE. FOR INCREASED SAFETY, FIREARMS SHOULD BE STORED UNLOADED AND LOCKED IN A LOCATION THAT IS BOTH SEPARATE FROM THEIR AMMUNITION AND INACCESSIBLE TO CHILDREN AND UNAUTHORIZED PERSONS."

North Carolina:

"Any person who resides in the same premises as a minor, owns or possesses a firearm, and stores or leaves the firearm (i) in a condition that the firearm can be discharged and (ii) in a manner that the person knew or should have known that an unsupervised minor would be able to gain access to the firearm, is guilty of a Class 1 misdemeanor if a minor gains access to the firearm without the lawful permission of the minor's parents or a person having charge of the minor and the minor:
(1) Possesses it in violation of G.S. 14-269.2(b);
(2) Exhibits it in a public place in a careless, angry, or threatening manner;
(3) Causes personal injury or death with it not in self defense; or
(4) Uses it in the commission of a crime."

Washington:

"(i) CAUTION: Although state and local laws do not differ, federal law and state law on the possession of firearms differ. If you are prohibited by federal law from possessing a firearm, you may be prosecuted in federal court. State permission to purchase a firearm is not a defense to a federal prosecution;
(ii) CAUTION: The presence of a firearm in the home has been associated with an increased risk of death to self and others, including an increased risk of suicide, death during domestic violence incidents, and unintentional deaths to children and others."

Wisconsin:

"IF YOU LEAVE A LOADED FIREARM WITHIN THE REACH OR EASY ACCESS OF A CHILD YOU MAY BE FINED OR IMPRISONED OR BOTH IF THE CHILD IMPROPERLY DISCHARGES, POSSESSES, OR EXHIBITS THE FIREARM."

* *

Please check with your licensed retailer or state police for additional warnings which may be required by local law or regulation. Such regulations change constantly, and local authorities are in the best position to advise you on such legal matters.

FIREARMS SAFETY IS YOUR RESPONSIBILITY

SAFETY MUST BE THE FIRST AND CONSTANT CONSIDERATION OF EVERY PERSON WHO HANDLES FIREARMS AND AMMUNITION.

This instruction manual is designed to assist you in learning how to use and care for your RUGER® HARRIER™ properly. Please contact us if you have any questions.

Only when you are certain you fully understand the manual and can properly carry out its instructions should you practice loading, unloading, etc. with live ammunition. If you have any doubts about your ability to handle or use a particular type of firearm safely, you should seek supervised instruction. Such personalized instruction often is available from local firearm retailers, gun clubs or police departments. If none of these sources can help, visit nra.org to obtain information about where you can receive training.

The person possessing a firearm has a full-time job. You cannot guess; you cannot forget. You must know how to use your firearm safely. Do not use any firearm without having a complete understanding of its particular characteristics and safe use. Remember: There is no such thing as a foolproof firearm.

WARNINGS OF GREAT IMPORTANCE ARE FOUND ON THE FOLLOWING PAGES:

Locking Devices	9	Unloading	20
Alterations	11	Bore Obstructions	23
Manual Safety	12	Malfunctions	27
Ammunition	14	Disassembly	27
Lead Exposure	15	Lubrication	46
Firing	17	Storage	47
Handling	18	Shipping	48
Sustained Firing	19	Parts Purchasers	49

OTHER CAUTIONS AND WARNINGS APPEAR THROUGHOUT THE MANUAL.

WARNING: Not all products and firearm configurations are available in all states and locales, and attaching certain accessories to your firearm may render it prohibited. Certain configurations may also be regulated under the National Firearms Act ("NFA"). Unauthorized possession, making, or manufacture of any NFA-regulated firearm is a felony and may also be illegal under state or local law. Prior to purchase or attachment of any accessories, please verify that your intended configuration complies with all federal, state, and local laws and regulations.

TABLE OF CONTENTS

	Page
State-By-State Warning	3
Nomenclature	8
Locking Device Installation Instructions	9
General Information and Mechanical Characteristics	11
Operation of Safety	12
The Bolt Catch	13
Ammunition	14
Magazines	15
To Load and Fire (With Magazine)	17
To Load and Fire (Without Magazine)	19
To Unload	20
To Reload the Rifle	21
To Extract and Eject a Chambered Cartridge	22
To Remove a Bore Obstruction	22
To Clear a Malfunction (“Jam” or “Misfire”)	24
To Minimize Malfunctions (“Jams” or “Misfires”)	26
Disassembly	28
Reassembly	35
Adjusting Upper / Lower Fit	40
Check Your Rifle’s Function	42
Stock Adjustment (Models So Equipped)	44
Care and Cleaning	45
Maintenance of Cerakote® Finishes	46
Magazine Inspection and Care	46
Storage	47
Service and Parts Policy	48
Shipping Firearms for Repair	48
Ordering Parts	49
Parts List	50
Exploded Views	52 - 54
The Basic Rules of Safe Firearms Handling	55
Warranty Information	60

“RUGER” is a registered U.S. trademark.

NOMENCLATURE

NOTE: Ruger offers firearms in a variety of colors and configurations. The images here and those used throughout the manual are representative and meant for illustrative purposes. The aesthetics, features, and configuration of your firearm may vary from what is represented here.

Figure 1a

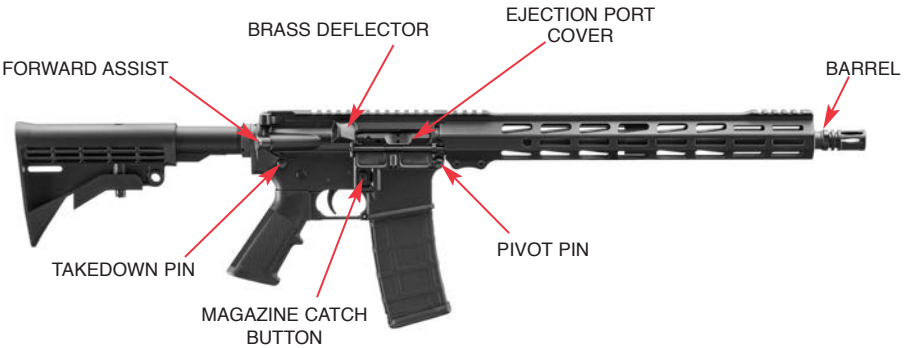
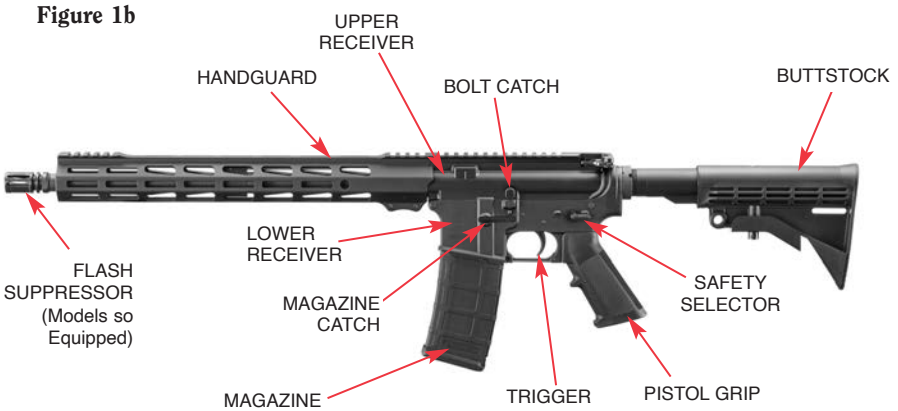


Figure 1b



Figures 1a & 1b. Components frequently referred to are identified.

LOCKING DEVICE INSTALLATION INSTRUCTIONS

⚠ WARNING – USE OF LOCKING DEVICES

Do not store keys in lock.

- Always keep your firearm pointed in a safe direction, including when you are installing or removing your locking device.
- Always verify that your firearm is completely **unloaded** before installing your locking device.
- Do not install locking devices in the trigger guard; always keep your fingers and locking device outside the trigger guard during device installation and removal.
- Store firearms, ammunition and keys separately and securely, away from children and careless adults; do not store your firearm with the keys in the locking device.
- Do not attempt to work the action of your firearm with the locking device in place; this may damage your firearm.
- While locking devices are an important aid to security measures, they are not a substitute for safe firearm handling and proper storage. Remember that any mechanical device can be bypassed with enough time, knowledge, determination and equipment.

LOCKING DEVICES MUST BE USED SAFELY AND RESPONSIBLY

It is important to use the locking device on your Ruger® firearm when the firearm is stored or immediate use is not planned.

Keep the muzzle pointed in a safe direction and your fingers outside the trigger guard at all times!

To Install the Factory-Supplied Locking Device:

1. Remove the magazine. Be sure the firearm and its magazine are completely unloaded and contain no cartridges or cartridge cases!
2. Lock the bolt to the rear by retracting the charging handle fully rearward while depressing the bottom part of the bolt catch, then release the charging handle. (Refer to the “Disassembly” section on p. 28.)

3. Insert the cable directly into your rifle as shown in Figure 2.
4. To lock: With the key turned to the farthest clockwise position, insert the loose end of the cable into the lock. Turn the key counterclockwise and remove it from the lock.
5. Once the lock is securely closed, pull firmly on the lock to test the connection and be sure it is locked. Do not leave or store your firearm with the key in the lock! Store your locked unloaded firearm and the key in secure, separate locations, away from ammunition, children and unauthorized adults.

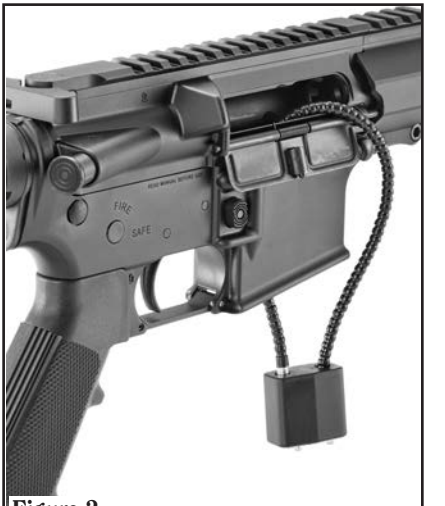


Figure 2

Correct installation of the lock on a RUGER® HARRIER™ rifle.

FIREARMS ARE DANGEROUS WEAPONS.

READ THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL THOROUGHLY AND CAREFULLY BEFORE USE.

⚠ WARNING - ALTERATIONS

This product was designed to function properly in its original condition. Alterations can make it unsafe. Do not alter any part or add or substitute parts or accessories not made or sold by Sturm, Ruger & Co., Inc.

DO NOT ALTER ANY FIREARM

GENERAL INFORMATION AND MECHANICAL CHARACTERISTICS

The RUGER® HARRIER™ is a gas impingement, box magazine fed autoloading rifle. The mechanism utilizes the gas from the firing of the round to drive the bolt carrier rearward and rotate a bolt that locks into the barrel. The RUGER® HARRIER™ can be field stripped without the use of tools and breaks down into basic subassemblies.

The safety selector, located above the trigger on the left side of the lower receiver, blocks the trigger and permits the bolt carrier to be cycled with the safety in the on or "SAFE" position. A bolt catch mechanism is provided for convenience in holding the bolt open for loading and inspection. The firing pin is retracted mechanically as the bolt starts to unlock and the rifle will fire only when the bolt is locked.

The RUGER® HARRIER™ is designed to readily accept accessories by incorporating STANAG-spec Picatinny-style rails and Magpul® M-LOK® slots. The HARRIER™ forged upper and lower receivers are mil-spec compatible.

OPERATION OF SAFETY

The safety selector, which is used to engage and disengage the manual safety, is located above the pistol grip on the left side of the lower receiver for convenient operation and is on when in its fully horizontal position pointing to the the word “SAFE.” (See Fig. 3.) The safety can be moved to “SAFE” anytime the hammer is cocked. When the safety is on “SAFE,” it blocks the trigger. The safety should always be placed on “SAFE” before loading or unloading the rifle and should be kept on “SAFE” at all times except when actually firing.

Figure 3

NOTE: Some rifles utilize an ambidextrous safety that also includes a second safety lever on the right side of the lower receiver. Some rifles may use a safety that stops in the "FIRE" position at the 45-, 60-, or 90-degree (vertical) positions. The safety should be considered to be in the "FIRE" position whenever it is NOT completely horizontal, pointing to the word "SAFE."

WARNING – MANUAL SAFETY

Keep the safety on unless actually firing. Always move the safety fully to its intended position and check it. The safety is not “ON” unless it is completely “ON.” Never depend on a safety mechanism or any other mechanical device to justify careless handling or permitting the rifle to point in an unsafe direction. The only “safe” rifle is one in which the bolt is open, the chamber is empty, and there is no magazine in the firearm.

KNOW HOW TO USE THE SAFETY

THE BOLT CATCH

The RUGER® HARRIER™ rifle is designed so that the bolt remains open after the last shot has been fired, provided there is an empty magazine in the rifle. When the magazine is empty, the magazine follower actuates the bolt catch, which is designed to retain the bolt and bolt carrier in their rearward position.

WARNING: The bolt catch is **NOT** a safety device. It should not be used to hold the bolt back when there are cartridges in the magazine. A slight jar to the butt end of the rifle CAN cause the bolt catch to disengage and feed a cartridge into the chamber.

The bolt catch should be relied upon to hold the bolt in its rearward position only when the chamber is empty and an empty magazine is in place. The bolt catch is there for convenience when changing magazines and to hold the bolt in its rearward position when the rifle is unloaded for cleaning or inspection.

OPERATION OF BOLT CATCH

To hold the bolt carrier open without a magazine inserted (See Figure 4.):

1. Pull the charging handle all the way to the rear.
2. Depress the bottom part of the bolt catch and allow the bolt carrier to move forward until it stops.
3. Put the safety on "SAFE" (pointing to the word "SAFE").

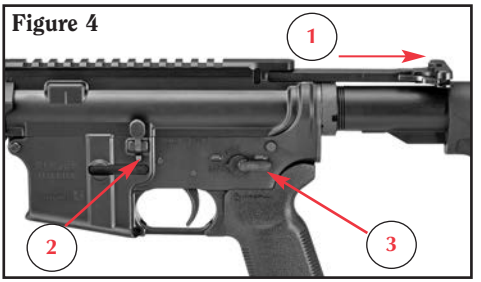
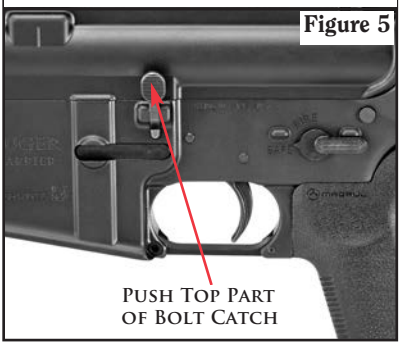


Figure 4

To release the bolt carrier (which allows the bolt to move forward) keep selector on "SAFE" and either:

1. Remove any inserted magazine, draw the charging handle to the rear, and release it. Allow the handle to spring forward freely. Do not "ride" the charging handle or otherwise hinder its forward motion.
2. Push the charging handle forward unitl it latches. Depress the top part of the bolt catch toward the lower receiver to release. (See Figure 5.)



CLOSING THE BOLT
Figure 5

CAUTION: Bolt carrier is under heavy spring tension and can injure fingers when it slams shut.

WARNING – JARRING RIFLE CAN RELEASE BOLT AND CHAMBER A ROUND

The bolt catch is NOT a safety device. It should not be used to hold the bolt back when there are cartridges in the magazine. A slight jar to the butt end of the rifle CAN cause the bolt catch to disengage and feed a cartridge into the chamber. The bolt catch should only be relied upon to hold the bolt in its rearward position when the chamber is empty and an empty magazine is in place. The bolt catch is there for convenience when changing magazines and to hold the bolt in its rearward position when the rifle is unloaded for cleaning or inspection.

AMMUNITION

RUGER® HARRIER™ rifles are chambered for many popular cartridges. The particular chamber or cartridge for each firearm is marked on the barrel. Use only cartridges compatible with that designation in your firearm.

For example, firearms marked "5.56 NATO" references both a cartridge and a chamber. These barrels are compatible with both 5.56 NATO and .223 REMINGTON ammunition. “.223 WYLDE" is a chamber specification. These barrels are compatible with both 5.56 NATO and .223 REMINGTON ammunition.

If you are unable to determine the correct caliber of your RUGER® HARRIER™ rifle, please contact the Customer Service Department at 336-949-5200. See “Ammunition Notice” & “Warning - Ammunition,” below.

USE ONLY FACTORY AMMUNITION LOADED TO U.S. INDUSTRY STANDARDS

WARNING – AMMUNITION

Use only new, factory ammunition of the correct caliber.
Death, serious injury, and damage can result from the wrong ammunition, bore obstructions, powder overloads or incorrect cartridge components. Even the strongest firearm can be “blown up” as a result of excess pressure. Always wear shooting glasses and hearing protection.

IMPROPER AMMUNITION DESTROYS FIREARMS

AMMUNITION (CARTRIDGES) NOTICE

WE SPECIFICALLY DISCLAIM RESPONSIBILITY FOR ANY DAMAGE OR INJURY WHATSOEVER OCCURRING IN CONNECTION WITH, OR AS THE RESULT OF, THE USE IN RUGER FIREARMS OF FAULTY, OR NON-STANDARD, OR "REMANUFACTURED" OR HAND LOADED (RELOADED) AMMUNITION, OR OF CARTRIDGES OTHER THAN THOSE FOR WHICH THE FIREARM WAS ORIGINALLY CHAMBERED.

WARNING – LEAD EXPOSURE

Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to the State of California to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

SHOOTING OR CLEANING FIREARMS MAY EXPOSE YOU TO LEAD

MAGAZINES

The RUGER® HARRIER™ rifle utilizes AR-pattern magazines. Magazines are often marked with the intended cartridge on the magazine body or follower, although some magazines are compatible with additional calibers not marked on the magazine. Use only high-quality AR-style magazines which are clean and in good working order. Magazines that have been tested and approved for use with the RUGER® HARRIER™, including magazines for other calibers and cartridges, are available from **ShopRuger.com**.

LOADING THE MAGAZINE

Use only clean, dry ammunition of the proper caliber manufactured to U. S. Industry specifications, in good condition. (See Notice and Warnings in other sections of this manual pertaining to Ammunition).

To load the magazine, align each cartridge with the bullet forward (pointing toward the front of the magazine) and push downward until the cartridge snaps into place. Place the next round and repeat until the desired number of cartridges are loaded. Do not attempt to load more than the designated number of cartridges for which the magazine has been designed.

DAMAGED, NON-STANDARD OR IMPROPERLY ASSEMBLED MAGAZINES SHOULD NOT BE USED. THEY CAN CAUSE THE RIFLE TO MALFUNCTION.

INSERTING THE MAGAZINE

See Figure 6. The magazine may be inserted with the bolt carrier either in the closed or open position (see "Bolt Catch" section p. 13), although significantly more force may be necessary to properly seat the magazine with the bolt in the closed position.

1. Insert the magazine all the way up into the magazine well.
2. Check to be sure that the magazine is securely latched by pulling the magazine down.

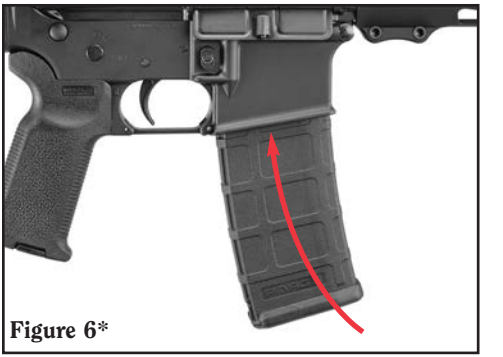


Figure 6*

REMOVING THE MAGAZINE

To remove the magazine, simply push the magazine catch button toward the side of the lower receiver until the magazine drops out of the magazine well. To minimize the possibility of damage and malfunctions, do not let the magazine drop to the ground (see Figure 7).

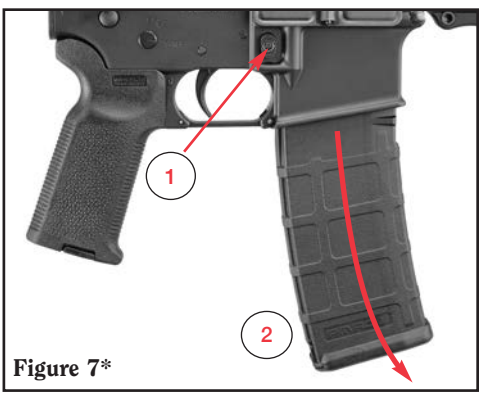


Figure 7*

* **NOTE** – Figures 6 and 7 depict 30-round magazines. Some HARRIER™ rifles are shipped from the factory with magazines of various appearance and capacity.

TO LOAD AND FIRE
(WITH MAGAZINE)

Practice this important aspect of firearm handling (with an unloaded rifle) until you can perform each of the steps - described below - with skill and confidence. But before you do anything with the rifle, please first read completely through this manual. This procedure begins with an empty rifle with its magazine out.

1. Be certain the muzzle is pointing in a safe direction. (See Rule 2, p. 55.)

2. Before inserting a loaded magazine, engage the bolt catch so the bolt carrier is held open. Check the chamber to be certain it is empty. MOVE THE SAFETY SELECTOR TO THE "SAFE" POSITION. (See Figure 3, p. 12.) Push the charging handle all the way forward until it latches onto the upper receiver.

3. Load a magazine with the desired number of cartridges.

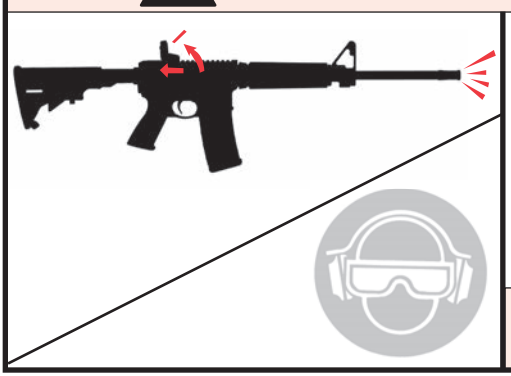
4. Insert the loaded magazine into the magazine well until it latches into place. Push the upper pad of the bolt catch towards the side of the lower receiver. A cartridge will be stripped from the magazine and chambered by the motion of the bolt carrier.

   WARNING: If cartridges do not feed smoothly from the magazine into the chamber then do not use the rifle until the problem is corrected. (See "Warning - Malfunctions," p. 27.)

5. The rifle is now cocked and a cartridge is chambered. Visually check to be certain the safety is in the "SAFE" position, and keep the rifle pointed in a safe direction.

   NOTE: If the bolt does not completely close, press the forward assist (see Figure 1a, p. 8, top photo). This should move the bolt completely forward. If the forward assist does not chamber a round, see the "Clearing Misfires" section of this manual. You may now manually close the ejection port dust cover by raising it and "clicking" it into the closed position, covering the

WARNING – FIRING



The bolt carrier automatically opens and shuts quickly while firing. Keep face and hands away from it. Hot brass and powder gas is ejected quickly and can burn you. The rifle should be fired from the right shoulder. Always wear shooting glasses and hearing protection.

BOLT OPENS FAST– HOT BRASS EJECTED

6. When you are ready to fire the rifle, move the safety selector to the “FIRE” position.

WARNING: DO NOT TOUCH THE TRIGGER UNTIL YOU ARE ACTUALLY READY TO FIRE. KEEP THE SAFETY “ON” UNLESS ACTUALLY FIRING.

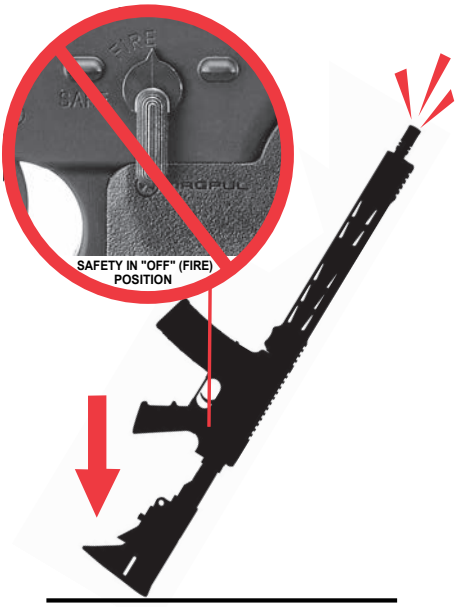
7. The rifle will fire one shot each time the trigger is pulled until the magazine is empty. The gas produced by the combustion of the powder in the cartridge is used to drive the bolt carrier rearward. This process ejects the fired cartridge case, recocks the firearm, and loads a new cartridge from the magazine into the chamber.

8. Immediately following the firing of a shot, and if a subsequent shot is not to be fired at once, put the safety selector in the “SAFE” position while the rifle is still pointing in a safe direction. The safety selector should be moved to the “SAFE” position as soon as firing is completed, and it should be on “SAFE” at all times except when the rifle is on target and being fired.

9. When the last cartridge in the magazine has been fired, the bolt catch will automatically engage and hold the bolt carrier in the rearward, open position.

NOTE: If the bolt fails to lock open on an empty magazine, check for underpowered ammunition, clean the firearm, and inspect the magazine follower for proper activation of the bolt catch.

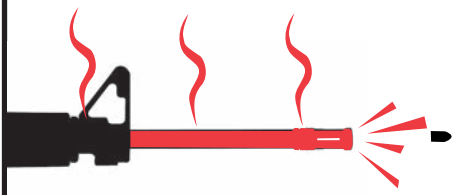
WARNING – HANDLING



If dropped or struck with the safety “off”, the rifle may fire. Keep chamber empty unless actually firing! Keep the safety in the “SAFE” position unless actually firing!

ANY FIREARM MAY FIRE IF DROPPED

⚠ WARNING – SUSTAINED FIRING



The HARRIER™ rifle fires from a closed bolt. Sustained firing can create excessive heat in the barrel and can cause "cook-off" of ammunition (heat-firing of the cartridge in the chamber). This "cook-off" can occur a substantial period of time after firing has ceased. Always unload the firearm and unload the chamber immediately after you have finished shooting.

HOT BARREL CAN "COOK-OFF" (FIRE) CARTRIDGE IN CHAMBER

TO LOAD AND FIRE
(WITHOUT MAGAZINE)

The rifle can be used as a single-shot rifle in the absence of a magazine or for safety or training purposes.

1. Be certain the muzzle is pointing in a safe direction. (See Rule 2, p. 55.)
2. Retract the bolt and engage the bolt catch so the bolt carrier is held open. Check the chamber to be certain it is empty. MOVE THE SAFETY SELECTOR TO THE "SAFE" POSITION. (See Figure 3, p. 12.)
3. Manually load a cartridge into the chamber.
4. Ensure that your fingers are clear of the chamber and bolt area. Push the top of the bolt catch toward the lower receiver and the bolt will release.

CAUTION: Bolt carrier is under heavy spring tension and can injure fingers when it slams shut.

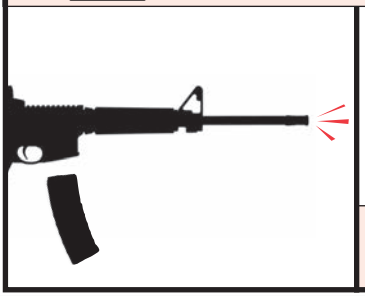
5. The rifle is now cocked and a cartridge chambered. Visually check to be certain the safety selector is in the "SAFE" position, and keep the rifle pointed in a safe direction.
6. When you are ready to fire the rifle, move the safetyselector to the "FIRE" position.

WARNING: DO NOT TOUCH THE TRIGGER UNTIL YOU ARE ACTUALLY READY TO FIRE. KEEP THE SAFETY "ON" UNLESS ACTUALLY FIRING.

7. After firing, engage the safety. Note that the bolt will not automatically lock open after the cartridge is fired and automatically ejected.

NOTE: If the bolt fails to lock open on an empty magazine, check for underpowered ammunition, clean the firearm, and inspect the magazine follower for proper activation of the bolt catch.

WARNING – UNLOADING



The rifle can be used as a single loader, it will fire whether or not a magazine is in the firearm if a cartridge is chambered. Removing the magazine does not unload the rifle! To unload, first remove the magazine, then pull the charging handle to the rear, eject the chambered cartridge, and visually inspect the chamber. The safety should always be in the "SAFE" position when loading or unloading the rifle.

FIREARM WILL FIRE WITH MAGAZINE OUT

TO UNLOAD

WARNING: This sequence must be followed exactly! Failure to do so can result in the rifle's chamber becoming unintentionally loaded with a cartridge!

1. Keep the muzzle pointed in a safe direction at all times and keep fingers outside the trigger guard. Rotate the safety selector to the "SAFE" position if the hammer is cocked.
2. Remove the magazine. **REMEMBER** that even though the magazine has been removed, a cartridge remaining in the chamber can still be fired!
3. Pull the charging handle all the way to the rear, extracting and ejecting the cartridge in the chamber.
4. When the bolt carrier is fully retracted, push down on the bottom pad of the bolt catch and then allow the bolt carrier to move forward until it comes to rest against the bolt catch.
5. Move the safety selector to the "SAFE" position if not previously done. Always visually double check the chamber to be certain it is empty.
6. The only "safe" rifle is one in which the bolt carrier is open and the chamber and magazine are empty, and the muzzle is pointed in a safe direction.

CORRECT UNLOADING SEQUENCE

TO RELOAD THE RIFLE

1. Firing all cartridges in the magazine and the chamber will cause the bolt carrier to automatically lock open. Keep the rifle pointed in a safe direction. Put the safety selector in the "SAFE" position. Removal of the magazine can be accomplished by pressing inward on the magazine catch with the thumb or forefinger. The magazine will fall free of the rifle by its own weight. To avoid the possibility of damage to the magazine, do not let it fall to the ground.
2. Insert a loaded magazine. **WARNING:** The bolt catch is held in place by friction between the bolt face and the rear surface of the bolt catch. Therefore, when there is a loaded magazine in place and the rifle is jarred, the bolt can release and chamber a cartridge.
3. Release and allow the bolt carrier to move forward by pushing in on the top pad of the bolt catch. A cartridge will be chambered when the bolt carrier shuts. WARNING: The rifle is ready for instant use once the bolt carrier moves forward. If the rifle is not to be fired immediately, keep the safety selector in the "SAFE" position. When you are ready to fire immediately, move the safety selector to the "FIRE" position and resume firing, putting the safety back on "SAFE" whenever you cease firing, even for a moment.

TO EXTRACT AND EJECT A CHAMBERED CARTRIDGE

When the rifle is fired, the same gas pressure that drives the bullet forward acts through the gas port to push the bolt carrier to the rear. This action causes extraction and ejection of the fired cartridge case. If a cartridge fails to fire, or if the shooter wishes to eject the chambered cartridge manually, follow the procedure "To Unload" step 3, p. 20. When the charging handle is operated there can be a failure to extract the cartridge from the chamber, or a failure to eject the cartridge clear of the rifle. These failures usually are the result of the charging handle not being pulled rearward vigorously. From the foregoing, it is clear that the user must:

1. Always visually check to make sure the chamber is empty after cycling the bolt carrier to eject a chambered cartridge.
2. Thoroughly clean the chamber and the extractor as often as necessary.

If an empty magazine is in the rifle when the charging handle is being retracted to extract a cartridge, the cartridge may drop on top of the magazine or remain held to the breech-face by the extractor. Then, when the bolt carrier goes forward, the cartridge will be chambered again! REMEMBER -- always remove the magazine before clearing the chamber, and visually check to ensure that no cartridges remain in the firearm.

TO REMOVE A BORE OBSTRUCTION

Excess oil, grease or water may form an obstruction that can cause damage and injury. If you suspect that your rifle may have excess oil, grease, or other contaminants in the barrel, or if it may have been exposed to humid conditions that could cause condensation, or to rain or snow that might have entered the bore, open the bolt carrier and clean out the barrel prior to loading or attempting to fire the rifle. Inspect the bore visually to be sure that it is perfectly clear. (See "Warning - Ammunition," p. 14 and "Care and Cleaning" section p. 45.)

A firearm user should recognize that a lodged bullet is a fairly common form of bore obstruction. Therefore, the following information on how a bullet may become lodged in the bore, and how it should be removed, deserves most careful reading and understanding!

WARNING – BORE OBSTRUCTIONS

Before loading or shooting the HARRIER™ rifle, be certain the bore is unobstructed. Firing the rifle with any obstruction in the bore may result in severe damage to the rifle and serious injury to the shooter and other persons nearby.

A MISFIRE or unusual report (sound) upon firing is always a signal to cease firing immediately and after waiting for at least 30 seconds, unload, and examine the chamber and bore of the firearm. It is not sufficient to retract the charging handle and examine the chamber. You must remove the magazine, clear the chamber, lock the bolt carrier open, and inspect the chamber visually. Then close the bolt. Disengage the take down pin, remove the bolt and carrier (see "Disassembly" p. 29 - 31, steps 3 - 5) and inspect the bore visually, and with a rod if necessary - to be certain it is completely clear of any obstruction. Failure to detect and correctly remove a bore obstruction can result in serious injury to the shooter and bystanders, and damage to the firearm.

DO NOT "SHOOT OUT" A BORE OBSTRUCTION

1. When firing, a bullet may become lodged in the bore if the cartridge contains no powder, or the powder fails to ignite and only the primer charge ignites, producing insufficient force to propel the bullet out of the bore.

2. A bullet may also become lodged in the bore when extracting a cartridge from the chamber (unloading). If the bullet is not crimped tightly enough in the cartridge case, the bullet may stick in the bore, with only the case being extracted.

Experience indicates that the two conditions described above occur most frequently with reloaded ammunition. **WARNING!** Use ammunition of the correct caliber and type loaded to U.S. Industry Specifications. Do not use cartridges that are deformed or cartridges that have been reloaded.

When either of the above described (1 or 2) situations occur, proceed as follows with the rifle pointing in a safe direction:

a) If the hammer is cocked, move the safety selector to the "SAFE" position.

b) Remove the magazine from the rifle.

c) Retract the charging handle and lock it in the open position by pressing on the bottom pad of the bolt catch in the lower receiver. Retracting the charging handle should remove the cartridge case. Be certain the safety selector is in the "SAFE" position.

d) Check the chamber to be certain there is no cartridge case in it – if there is, extract it before proceeding with steps (e) and (f).

e) After making sure the chamber is clear and the magazine is removed, close the bolt, disengage the takedown pin, remove the bolt and carrier (see "Disassembly" p. 29 - 31, steps 3 - 5), and inspect the bore visually and with a rod as necessary.

f) If the bore is obstructed, insert a proper size cleaning rod (without a tip or brush) into the bore from the muzzle and dislodge and remove the bullet. If the bullet does not readily dislodge, it may be necessary to lightly tap the handle end of the cleaning rod. If such efforts fail to dislodge the bullet, take the rifle to a gunsmith. DO NOT ATTEMPT TO REMOVE A LODGED BULLET USING A BLANK CARTRIDGE, OR A CARTRIDGE FROM WHICH THE BULLET HAS BEEN REMOVED, OR BY ANY MEANS OTHER THAN THE USE OF THE PROPER SIZE CLEANING ROD AND REASONABLE FORCE APPLIED TO THE ROD. BE CERTAIN ALL LOOSE POWDER HAS BEEN REMOVED FROM THE BORE AND ACTION BEFORE INTRODUCING THE ROD INTO THE BORE. NEVER TRY TO SHOOT OUT A BORE OBSTRUCTION! See "Warning - Bore Obstructions," p. 23.

g) Reinspect the bore to be certain it is free of unburned powder particles or any other debris. At the same time, clean the magazine, the magazine well, and other areas of the mechanism of unburned powder grains.

It is absolutely essential that steps (a) through (g) be followed if there is any suspicion that a bullet has been lodged in the bore because of the situations described in 1 or 2 above. Remember that a bullet can be lodged in the bore of a rifle just where the rifling begins, and a live cartridge can still be chambered and the bolt closed and locked. This can occur because the bullet in the chambered cartridge is pushed back into the cartridge case far enough to give the shooter the impression that the loaded cartridge has chambered normally.

Always check the bore for an obstruction if you experience difficulty in chambering a cartridge, experience a failure to extract, have a misfire, or the rifle does not make a normally loud report on firing.

NOTE: Sturm, Ruger & Co., Inc. specifically disclaims liability related to the use of reloaded, hand-loaded or remanufactured cartridges. Please see "Ammunition Notice" p. 14.

TO CLEAR A MALFUNCTION ("JAM" OR "MISFIRE")

If you experience a malfunction, study the situation to determine the nature of the malfunction and how best to clear it. Any autoloading firearm may occasionally malfunction. If it does:

1. Be certain the muzzle is pointed in a safe direction and the safety selector is in the "SAFE" position if the hammer is cocked.

2. If the misfire is the result of a cartridge not firing or unusual report (either louder or quieter than normal), keep the rifle pointed in a safe direction for at least 30 seconds prior to ejecting the chambered round or retracting the bolt.

3. When attempting to free a jammed cartridge, do not use any type of tool that is likely to act as a "firing pin" and discharge the cartridge should the tool impact the primer. Never use a cartridge as a "tool."
4. After clearing a jam, inspect the firearm mechanism to determine if dirt or debris might be the cause of the problem. Excess lubricant or grease can cause cartridges to feed sluggishly. An accumulation of grease, dirt, or powder grains in the magazine can contribute to cartridge feeding problems.
5. After clearing a jam, inspect all cartridges and fired cases that have been removed from the firearm. Safely dispose of any cartridges that are dented, nicked, or have bullets that are loose or improperly positioned in the cartridge case.
6. If it appears that the firearm and magazine are not at fault, and that the jam was caused by the type of cartridge being used, then try another type or brand of cartridge.
7. If the above procedures do not result in a properly functioning firearm, don't use the firearm until it feeds cartridges smoothly and reliably. The rifle should be returned directly to Ruger's Customer Service Department for repair. See the "Service and Parts" section p. 48, for packing and shipping information.

Another precaution: Form the habit of examining fired cartridge cases from time to time. If fired cases have bulged heads or show splits on any part of the case, or have pierced or deformed primers, ***stop using that ammunition immediately***. If the problem persists with different types of ammunition, return the rifle to Ruger's Customer Service Department for inspection. (See p. 48.)

8. If a cartridge is caught between the bolt carrier and receiver, put the safety on "SAFE," remove the magazine, retract the bolt carrier using the charging handle, and lock it in the open position using the bolt catch. Then remove the jammed case.
9. If a fired case is in the chamber, use a cleaning rod to knock it out.
10. If an unfired cartridge is stuck in the chamber, keep the muzzle pointed in a safe direction with the safety in the "SAFE" position if the hammer is cocked. Close the bolt, disengage the takedown pin, remove the bolt and carrier (see "Disassembly" pages 29 - 31, steps 3 - 5), and remove the unfired cartridge from the breech-end rather than trying to dislodge it with a cleaning rod inserted from the muzzle. Use a piece of 3/16" brass rod that has one end shaped like a screwdriver tip. Insert the tip in the extractor groove of the cartridge, use the face of the ejection port as a fulcrum and carefully pry out the cartridge. Be careful not to strike the primer area of the live cartridge! Vigorously brush-clean the chamber with solvent after clearing any jam involving the chamber.

TO MINIMIZE MALFUNCTIONS ("JAMS" OR "MISFIRES")

Autoloading firearms of all makes and types occasionally malfunction when a cartridge fails to feed from the magazine to the chamber, or when a cartridge (or fired case) fails to properly extract and eject.

To minimize the possibility of such occurrences, the firearm user should:

1. Use ammunition of the correct caliber and type which is loaded to Industry Specifications. Avoid reloads, remanufactured cartridges, and cartridges that are dirty, corroded, or deformed. (See "Warning - Ammunition," p. 12.)
2. Clean and lubricate the firearm in accordance with the instructions in this manual.
3. If the mechanism shows signs of not functioning correctly, or if a part is damaged or broken -- don't use the firearm. Have it inspected and repaired. (See "Warning - Malfunctions," p. 27.)
4. Use only high-quality AR-style magazines designed for use with the caliber your firearm is chambered in, and carefully load the magazine. Do not exceed the stated magazine capacity. (See "Loading the Magazine," p. 15.)
5. Do not 'ride' the charging handle when chambering a cartridge from the magazine. The bolt carrier should be permitted to snap forward under the full force of the buffer spring. If a cartridge does not fully chamber, use the forward assist no more than twice to force the bolt carrier closed. If the cartridge is still not chambered completely, the round should be cleared as a jam (see p. 22 and "Warning - Bore Obstructions," p. 23.)
6. To minimize the probability of an unfired cartridge being jammed should it 'fall back' onto the magazine, remove the magazine before retracting the bolt carrier. When extracting an unfired cartridge, tip the right side of the rifle towards the ground so that gravity will assist the cartridge in falling clear of the ejection port. Always retract the charging handle briskly whenever extracting a live cartridge. Take care to see that a cartridge is not forcibly ejected against a surface where the primer might be set off.

Alterations to the rifle or use of non-Ruger accessories may cause malfunctions. See "Warning - Alterations," on p. 11. If the above procedures do not result in a smooth and reliable feeding firearm, don't use the firearm. Contact Ruger's Customer Service Department for repair. See the "Service and Parts Policy" section (p. 48) of this manual for more information.

WARNING – MALFUNCTIONS

A cartridge can be "discharged" before it is chambered if its primer receives a sharp blow. If a cartridge hangs up, jams, or binds when being chambered or when being fed from the magazine into the chamber, the forward assist may be depressed one or two times. If the cartridge is still not chambered completely, the round should be cleared as a jam (see pg. 24). Any jam or feeding problem is a signal to immediately stop using the firearm until it can be determined what is wrong. Failures of a cartridge to feed or to chamber properly typically are caused by a damaged magazine, improper firearm handling, or defective ammunition. Whatever the cause, cartridge jams can result in the potentially very dangerous situation of a cartridge discharging before it is chambered. If this occurs, the cartridge case will rupture and its fragments will fly out of the firearm with sufficient force to cause injury. Always wear shooting glasses and hearing protection! Keep face away from chamber!

STRIKING RIM OR PRIMER CAN BURST CARTRIDGE

WARNING – DISASSEMBLY

Always unload a firearm before cleaning, lubrication, disassembly, or assembly.

UNLOAD BEFORE CLEANING

DISASSEMBLY

Be Sure Rifle Is Unloaded!

An online video demonstrating the disassembly and reassembly of the RUGER® HARRIER™ rifle can be viewed by going to **Ruger.com/TechTips**.

Although the RUGER® HARRIER™ rifle can be disassembled, reassembled, and cleaned in almost any surrounding, it is preferrable to carry out these procedures on a workbench or table that has a covered top. A piece of shallow nap rug or an old blanket is an ideal covering. Such a covering keeps the rifle from slipping and being scratched.

1. Removing the magazine. (See Figure 8.)

a. Point the rifle in a safe direction and ensure the safety selector is in the "SAFE" position if the hammer is cocked.

b. Hold magazine in left hand.

c. With right index finger press inward on the magazine catch button.

d. Remove magazine and set aside.

e. Pull the charging handle all the way to the rear.

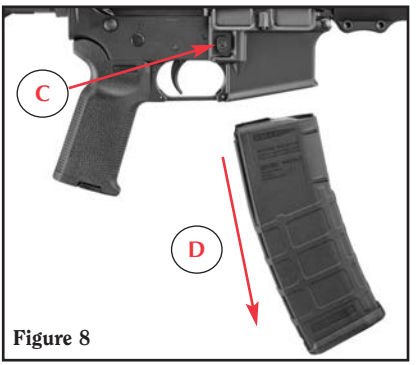


Figure 8

f. Depress the bottom part of the bolt catch plunger and allow the bolt carrier to move forward until it stops. Ensure the safety selector is in the "SAFE" position.

g. Visually inspect through the ejection port window at the chamber to make sure there are no live or spent cases in the chamber.

2. Release bolt into battery position. (See Figure 9.)

a. After clearing the chamber and holding the pistol grip in right hand, ensure the safety selector is in the "SAFE" position.

b. Press the upper thumb pad of the bolt catch to release the bolt carrier assembly into the battery position.

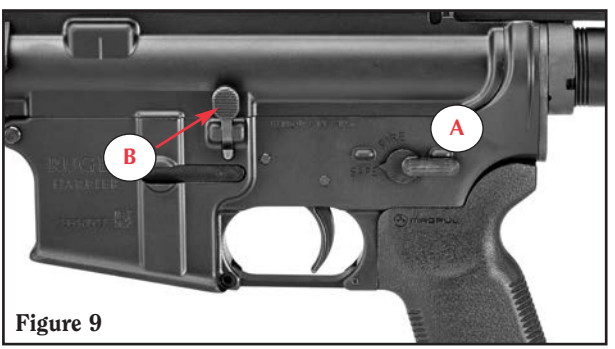


Figure 9

3. Disengage takedown pin for field strip. (See Figures 10 & 11.)

a. On the left-hand side of the lower receiver, push the rear takedown pin to the right. (If the pin is hard to move use a punch and gently tap with a hammer. The pin will become easier to move with use.)

Figure 10

b. From the right-hand side of the rifle, pull the pin outward until the detent stops any additional travel. (It is best if you hold the upper and lower receivers together until you are ready to open the rifle.) CAUTION: The upper receiver can pivot forward once the pin is disengaged and could pinch your fingers if you are holding the magazine well.

Figure 11

4. Removing the upper receiver from the lower receiver. (See Figures 12 - 14.)

a. With the takedown pin already disengaged, push the front pivot pin on the left side of the lower receiver, to the right. (If the pin is hard to move, use a punch and gently tap with a hammer. The pin will become easier to move with use.)

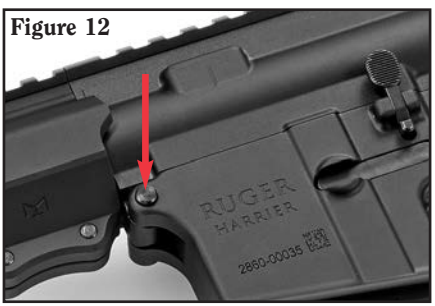


Figure 12

b. Reach to the right-hand side of the lower receiver and pull the pivot pin to the right until the detent stops any additional travel. (It is best to hold the upper and lower receivers together until you are ready to remove the upper receiver.)

Figure 13

c. Lift the upper receiver off the lower receiver to do any additional cleaning.

Figure 14

5. Removing bolt carrier assembly and charging handle. (See Figures 15 - 18.)

With the upper receiver separated from the lower receiver:

a. Unlock the charging handle by holding the handle with the index and middle fingers and pull the handle away from the rifle while compressing the charging handle latch.

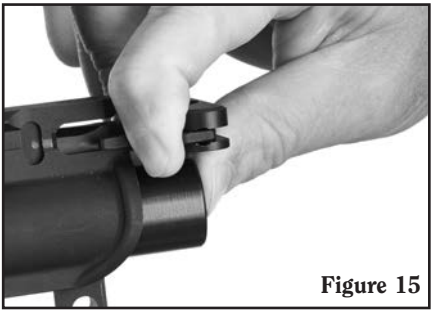


Figure 15

b. Pull the charging handle about halfway out and stop. The carrier assembly will follow the charging handle.

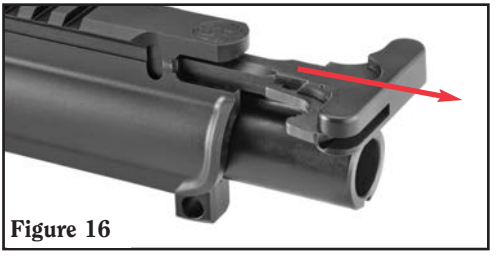


Figure 16

c. Grasp the backside of the carrier assembly and remove it from upper receiver and set aside.

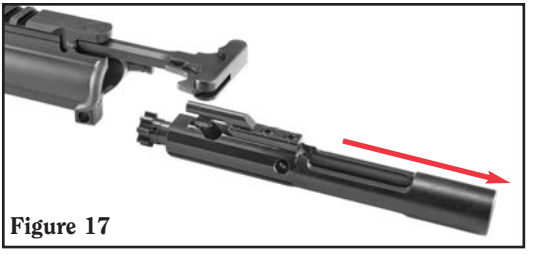
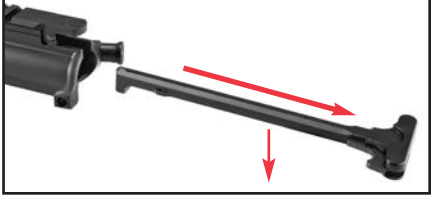


Figure 17

d. Grasp the charging handle and pull it out until the handle stops, slide the handle down and out of the keyhole to remove.

Figure 18



6. Bolt carrier disassembly.
(See Figures 19 - 26.)

a. Once the bolt carrier is removed from the upper receiver, remove the firing pin retaining pin.

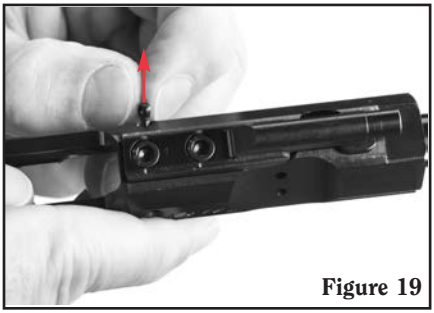


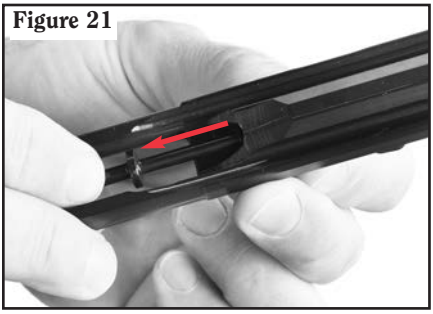
Figure 19

Figure 20

b. Move the bolt IN to the locked position.

c. Remove the firing pin from the bolt carrier.

Figure 21



d. Turn the bolt cam pin clockwise a quarter turn and lift it out of the bolt carrier.

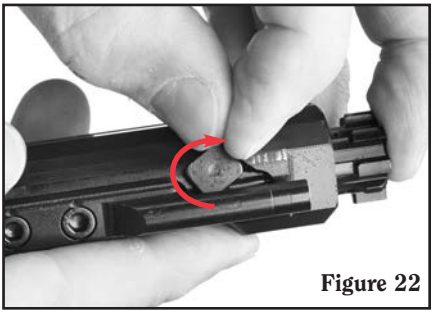


Figure 22

e. Remove the bolt from the bolt carrier.

Figure 23

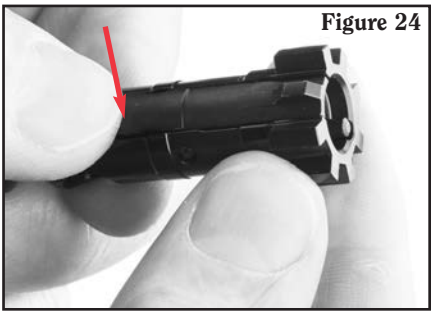


Figure 24

f. Press the rear of the extractor and check for resistance. (See Figure 24.) If no resistance is present, the extractor must be removed, and the parts must be cleaned.

g. Use a small punch and remove the extractor pin. (See Figure 25.)

h. Remove the extractor. (See Figure 26.)

NOTE: The spring, o-ring, and extractor buffer spring may come out with the extractor or fall out separately. Not all configurations have all three pieces.

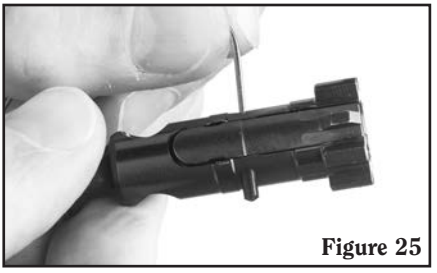


Figure 25

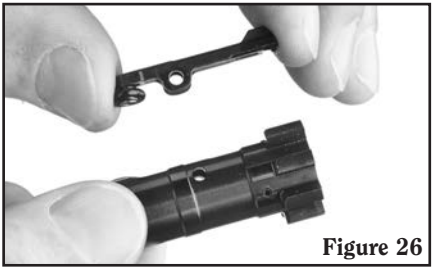


Figure 26

7. Buffer and Spring Field Stripping. (See Figures 27 & 28.)

a. Push the buffer towards the rear of the buffer tube.

b. Press the buffer retainer to let the buffer out. CAUTION: The buffer and buffer spring are under heavy spring tension and may "fly" out. Take care to ensure you slowly remove these parts.

c. Remove the buffer and spring.

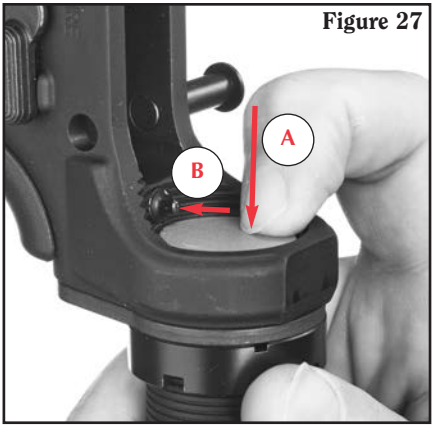


Figure 27

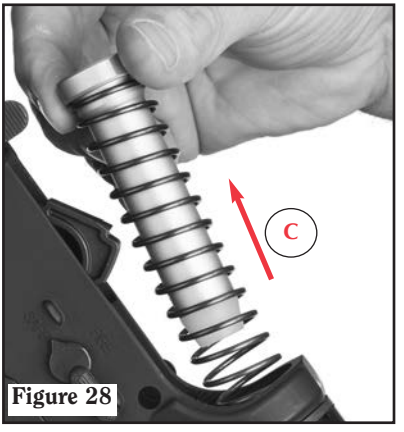


Figure 28

WARNING: Do not attempt to stretch or otherwise modify the buffer spring. Functional issues can result from modifications to the buffer spring.

WARNING: Do not replace either the buffer or the buffer spring with anything but genuine RUGER® HARRIER™ parts. Use of other buffers or buffer springs can result in functional issues and reduced endurance life.

8. Free-float handguard removal.

a. Using a 5/32" Allen wrench, loosen and remove the two screws at the rear of the handguard by turning them counterclockwise (see Figure 29).

b. Slide the handguard off of the barrel toward the muzzle (see Figure 30). If the handguard is tightly fitted, use a non-marring hammer to start the process. Be careful not to contact the barrel as this could result in scratches to the barrel.

NOTE: You can bump the muzzle gently on a soft work surface if needed. Be sure to protect the crown and muzzle threads.

NOTE: M-LOK® accessories installed on the handguard, and some muzzle devices, **MAY** prevent complete removal of the handguard from the barrel.

Figure 29

Figure 30

REASSEMBLY

Again Be Sure the Rifle and Magazine are Completely Unloaded!

1. Bolt carrier assembly:

a. Make sure the grooves in the gas rings are not aligned (see Figure 31). **WARNING:** The splits in the gas rings need to be offset in order for the HARRIER™ rifle to function properly. If the splits in the gas rings align, they may allow hot gases to flow by the gas rings, and keep the firearm from functioning properly.

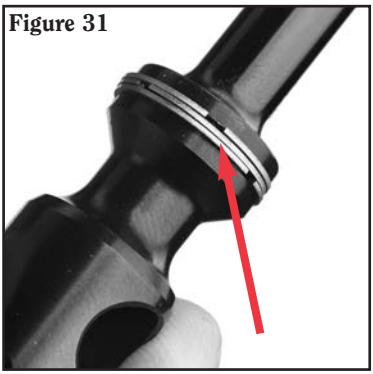


Figure 31

b. Make sure the extractor, buffer spring, spring, and o-ring are in place in the extractor (see Figure 32).

c. Place the extractor in the slot (see Figure 33) and insert the extractor pin (see Figure 34).

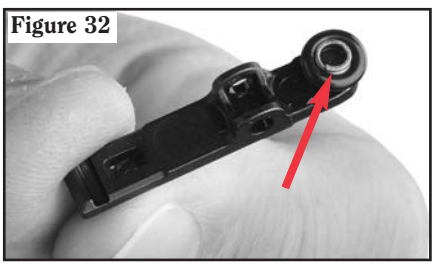


Figure 32

Figure 33

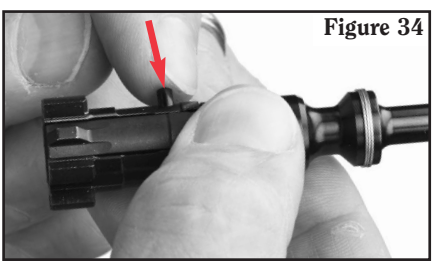


Figure 34

d. Insert the bolt into the bolt carrier.(See Figure 35).

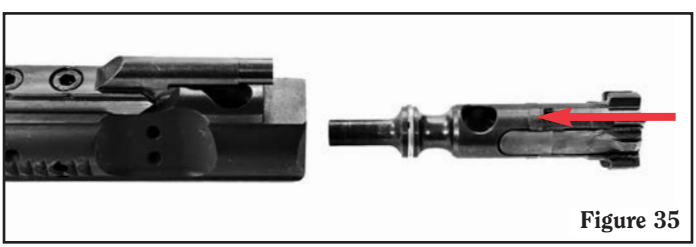


Figure 35

e. Insert the cam pin (see Figure 36a) and rotate a quarter turn ***counterclockwise*** (see Figure 36b). **NOTE:** If the cam pin will not go into the bolt carrier, rotate the bolt so the extractor is on right side of the bolt carrier and try again.

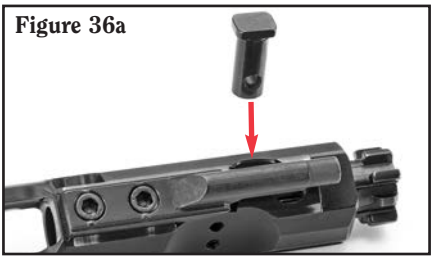


Figure 36a

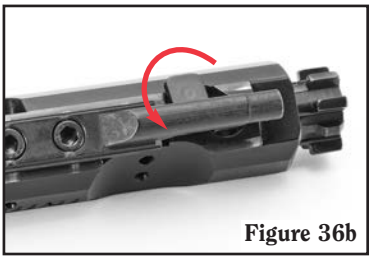


Figure 36b

f. Insert the firing pin (see Figure 37).

g. Insert the firing pin retaining pin (Figure 38). The head of the retaining pin needs to be flush or below the bolt carrier diameter and you may need to rotate the pin to allow full insertion.

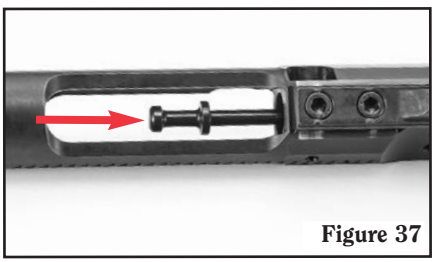


Figure 37

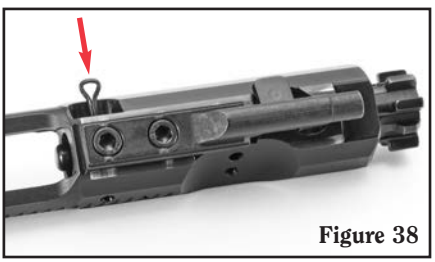


Figure 38

2. Buffer and spring assembly:

a. Insert the spring into the buffer tube (see Figure 39).

b. Push the buffer toward the rear of the buffer tube until the face of the buffer is behind and retained by the buffer retainer (see Figure 40).

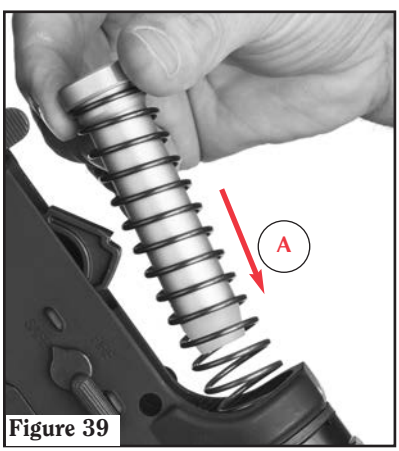


Figure 39

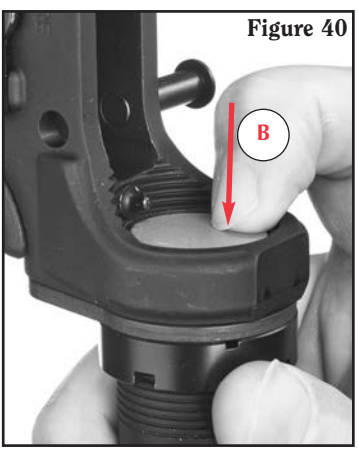


Figure 40

3. Reassemble the charging handle and bolt carrier into the upper receiver:

a. Turn the upper receiver upside down so that the top of the upper receiver is pointing toward the ground. Install the charging handle through the center of the upper receiver with the grooved side pointing toward you. (See Figure 41.)

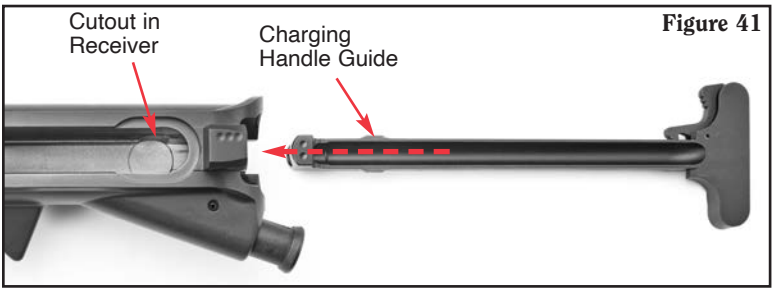


Figure 41

b. Slip the charging handle guides into the cutout in the upper receiver and leave the charging handle sticking out of the rear of the upper receiver. (See Figure 42.)

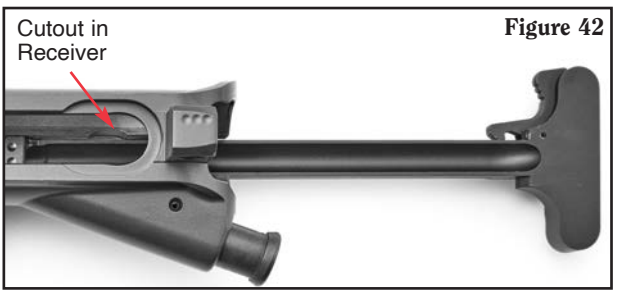


Figure 42

c. Turn the bolt carrier upside down and, making sure the bolt is fully forward, lay the bolt carrier into the charging handle (see Figure 43a) and push both the bolt carrier and the charging handle forward until the charging handle lock engages the upper receiver. (See Figure 43b.)

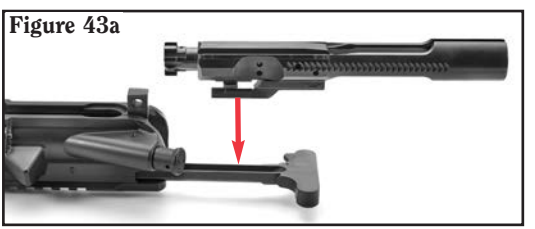


Figure 43a

Care should be taken not to turn the upper receiver so that the bolt carrier can slide out the back of the upper receiver while the charging handle is unlocked.

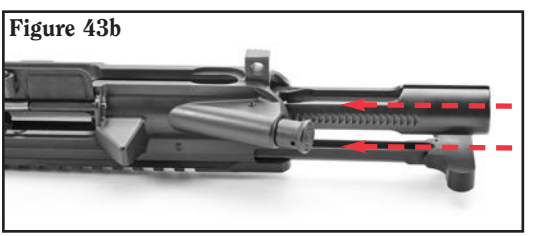


Figure 43b

d. The bolt carrier will not fall out of the upper receiver as long as the charging handle is locked onto the upper receiver. (See Figure 44.)

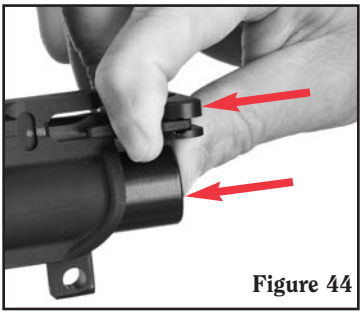


Figure 44

4. Free-float handguard assembly (on models so equipped):

a. Slide the handguard over the barrel taking care to ensure that the anti-rotation tabs on the handguard fit to each side of the upper receiver. (See Figure 45.) Be careful not to contact the barrel as this could result in scratches to the barrel.

Figure 45

b. Using a 5/32" Allen wrench, install the two screws at the rear of the handguard by turning them clockwise in alternating intervals. Tighten each screw to 44-55 in-lbs. (See Figure 46.)

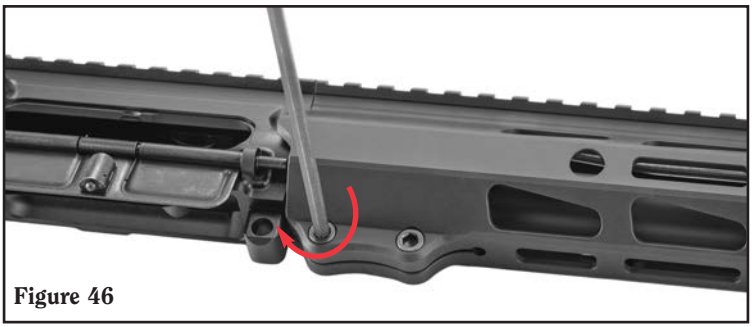


Figure 46

5. Assemble the upper receiver to the lower receiver:

a. Make sure the hammer is cocked (see Figure 47), place the safety selector on "SAFE," and make sure both the takedown pin and pivot pin are pushed completely to the right side of the lower receiver. Make sure the bolt carrier is all the way forward in the upper receiver. Put the upper receiver onto the lower receiver and slide the upper receiver all the way rearward against the lower receiver.

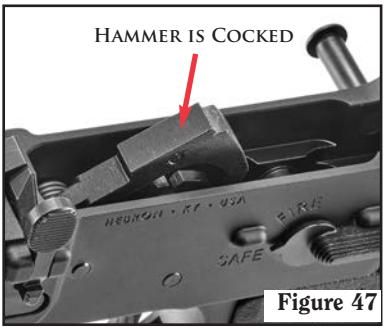


Figure 47

Push the pivot pin into the receiver until the detent locks in the hole in the pivot pin. Push the takedown pin into the receiver until the detent locks in the hole in the takedown pin. (See Figure 48.)

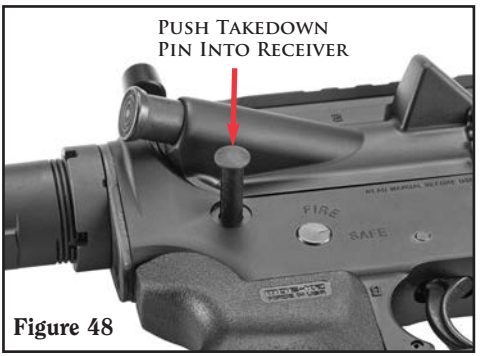


Figure 48

ADJUSTING UPPER / LOWER FIT

Upper and lower receivers conform to mil-spec tolerancing to ensure proper function and parts fitment. RUGER® HARRIER™ lower receivers include a tension screw that can be adjusted to reduce and eliminate the wobble that can occur between the upper and lower receiver. CAUTION: Be sure to unload the rifle before adjusting the upper/lower fit.

1. **NOTE:** Some models have a pistol grip cap that needs to be removed before you can remove the pistol grip screw (see Figure 49.)

   With the lower receiver upside down, use a 3/16" Allen wrench to remove the pistol grip screw by rotating it ***counterclockwise***. (See Figure 50.) Gently pull the pistol grip away from the lower receiver.

   CAUTION: The pistol grip retains the safety selector detent and spring. Be careful to retain both of these parts as they may fall loose when the pistol grip is removed. (See Figure 51.) With the selector spring and detent removed, the safety selector may also fall out of the receiver.

Figure 49

2. Locate the adjustment screw underneath the pistol grip. (See Figure 52.)
3. With the upper and lower receivers assembled, tighten the adjustment screw ***clockwise*** to make light contact with the upper receiver lug inside the lower receiver. CAUTION: Only tighten the adjustment screw to eliminate wobble between the upper and lower receivers - **OVERTIGHTENING THE ADJUSTMENT SCREW WILL MAKE IT DIFFICULT TO MOVE THE TAKEDOWN PIN FOR DISASSEMBLY!**

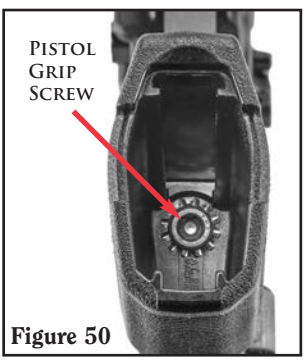


Figure 50

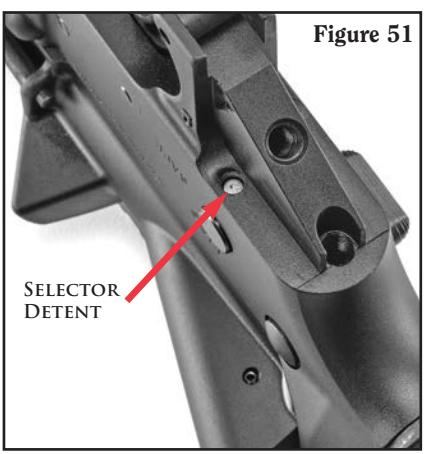


Figure 51

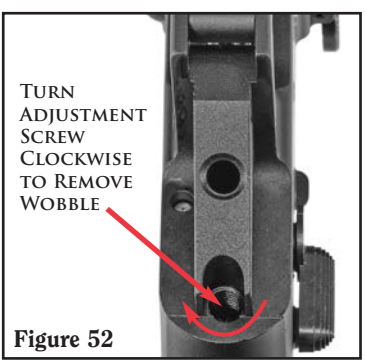


Figure 52

Reinstall grip:

1. With rifle upside down, move the safety selector back into place in the lower receiver (if necessary).
2. Ensure that the safety selector detent is properly installed (Figure 51, p. 40) and insert the safety selector spring in the corresponding hole in the pistol grip.
3. Ensuring that the detent spring does not bind or crimp, guide the pistol grip back onto the lower receiver. (See Figure 53.)
4. Using a 3/16" Allen wrench, reinstall the pistol grip screw and washer, tightening until the screw is hand tight.
5. Perform FUNCTION CHECK prior to use (See "Check Your Rifle's Function" section, pages 42 - 43).

NOTE: If swapping upper receiver assemblies in the future, this adjustment screw may need to be readjusted to allow proper receiver attachment.

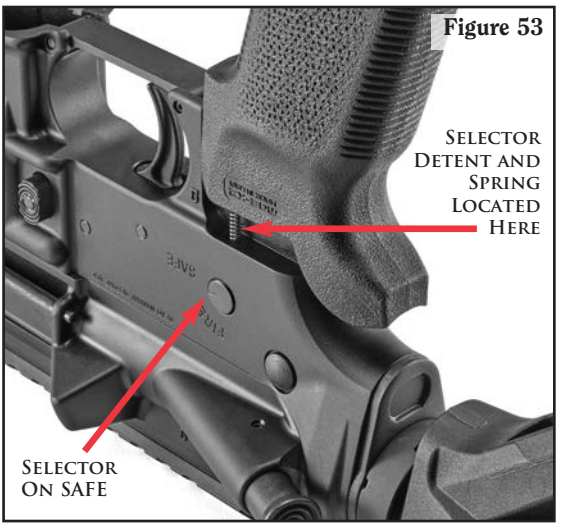


Figure 53

CHECK YOUR RIFLE'S FUNCTION

Periodic inspection of any firearm is important to ensuring its safe operation. It is important to clean and inspect your firearm after each range session or whenever the firearm has been exposed to sand, dust, moisture, humidity, or other adverse conditions. Proper maintenance increases the longevity of your firearm and will allow early detection of worn or broken parts.

Prior to each use, visually inspect the firearm to ensure no components are damaged, missing, loose, bent, cracked, chipped, or peened. If you observe excessive wear, you should stop using your rifle and contact customer service or a trained, certified gunsmith to evaluate its condition and replace any worn parts, if necessary.

After any disassembly and reassembly, it is important to verify that the action is working correctly before any live firing is attempted.

FIRST, BE SURE THERE IS NO AMMUNITION IN THE CHAMBER OR THE MAGAZINE AND KEEP THE RIFLE POINTED IN A SAFE DIRECTION!

CHECK THE FUNCTION OF THE BOLT AND CARRIER:

a. With the magazine removed and the bolt closed, pull the charging handle to the rear and let it move forward quickly two times.
   - The bolt should move freely all the way to the rear.
   - The bolt should close completely under the force of the spring.

b. Pull the charging handle to the rear and hold it there. Depress the bottom of the bolt catch (below the pivot pin) on the left side of lower receiver and push the charging handle forward to its detent position.
   - The bolt should stay locked open to the rear.
   - The charging handle should move freely forward into the upper receiver and be able to latch in place.

c. With the bolt held to the rear and the charging handle latched into the upper receiver, depress the top of the bolt catch (above the pivot pin).
   - The bolt should close quickly and completely.

d. Insert an EMPTY magazine into the magazine well. Pull the charging handle to the rear.

- The bolt should stay locked open to the rear.
- The charging handle should move freely forward into the upper receiver and be able to latch in place.
- The bolt should stay locked open when the magazine is removed.

CHECK THE FUNCTION OF THE SAFETY SELECTOR:

a. Cycle the bolt open and closed with the charging handle to cock the hammer.

- With the bolt closed, move the selector to "SAFE." Pull the trigger. The trigger should NOT move significantly rearward and the hammer should NOT fall.
- Move the safety selector to "FIRE." Pull the trigger. The trigger should move rearward and you should hear the hammer fall.
- Keep the trigger held to the rear and cycle the bolt open and closed with the charging handle to cock the hammer. Release the trigger. The trigger should move forward and you should hear the hammer reset (but not fall).
- Pull the trigger. The trigger should move rearward and you should hear the hammer fall.

An online video demonstrating the disassembly, reassembly, and function check of the RUGER® HARRIER™ rifle can be viewed by going to **Ruger.com/TechTips**.

If any of the above function checks fail or if you are uncertain, please consult a competent gunsmith or contact Ruger Customer Service at 336-949-5200 for further firearm inspection before using the rifle.

STOCK ADJUSTMENT
(Models So Equipped)

The RUGER® HARRIER™ is most commonly equipped with a 6-position adjustable stock (varies by configuration). Some models may be equipped with a fixed stock that is not adjustable. Rifles equipped with an adjustable stock feature locking holes on the underside of the buffer tube and a spring-loaded pin inside the buttstock. To adjust the stock, squeeze the rear part of the lever on the underside of the stock against the stock, and slide the entire stock assembly in toward the lower receiver, or away from the lower receiver. Release the lever and move the stock slightly in or out until the pin snaps into one of the holes on the extension tube. Try the fit, and if necessary, readjust the stock. (See Figures 54a & 54b.)

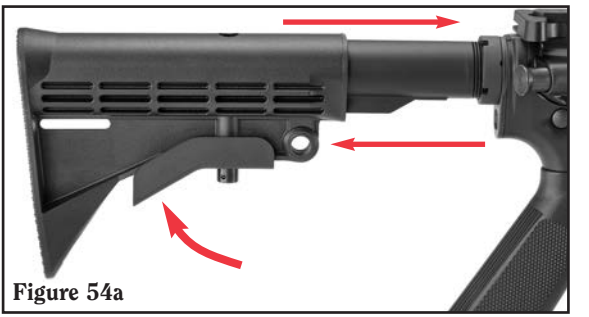


Figure 54a

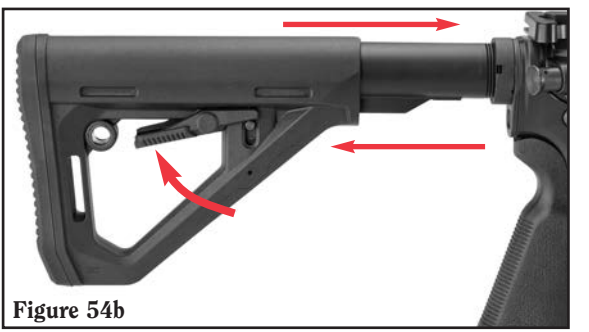


Figure 54b

CARE AND CLEANING

BEFORE CLEANING, BE CERTAIN THE RIFLE AND ITS MAGAZINE CONTAIN NO CARTRIDGES.

After each shooting session, at regular intervals, or whenever the rifle has been exposed to sand, dust, extreme humidity, condensation, immersion in water or other adverse conditions; disassemble, clean and oil it. Proper periodic maintenance is essential to the reliable functioning of any firearm.

CAUTION: THE USE OF CAUSTIC OR ACETONE-BASED CLEANERS ARE NOT RECOMMENDED AS THE SOLVENT MAY HARM THE FINISHED SURFACES, PLASTICS, LAMINATES, COMPOSITES, RUBBER GRIPS, OR OTHER MATERIALS USED IN THE CONSTRUCTION OF YOUR FIREARM. BEFORE CLEANING YOUR FIREARM, ALWAYS TEST THE CLEANING AGENT/SOLUTION IN AN INCONSPICUOUS AREA ON ANY PART YOU ARE GOING TO CLEAN WITH IT (INCLUDING, BUT NOT LIMITED TO, THE STOCK AND EXTERIOR PORTIONS OF THE BARREL AND RECEIVER) TO ENSURE IT WILL NOT HARM THE FINISH. NEVER USE AUTOMOTIVE OR PAINT STRIPPING PRODUCTS TO CLEAN YOUR FIREARM.

An online video demonstrating the proper cleaning procedure of the RUGER® HARRIER™ rifle can be viewed by going to **Ruger.com/TechTips**.

To clean the rifle, proceed as follows:

1. Disassemble (field-strip) the rifle to the extent described on pages 28 - 34.

   The handguard and gas block should not be removed for cleaning or maintenance. Do not disassemble the rifle any further than as described on pages 28 - 34.

2. Clean the bore with dry patches and examine. Bore fouling can contribute to reduced accuracy, and grease accumulation in the chamber can interfere with proper feeding of the cartridges from the magazine. Using a cleaning rod, run a properly sized, solvent-wetted patch through the bore several times. Then attach a solvent-wetted brush to a cleaning rod and run it back and forth the full length of the bore as many times as necessary to remove grease and dirt from the gas block bore.

3. Using powder solvent on a clean patch or bore brush, remove powder residue from all components of the mechanism. After cleaning, run a dry patch through the bore, then follow with a patch that is very lightly oiled. Wipe all surfaces clean with a cloth, then wipe all surfaces with a patch or cloth that has been very lightly oiled.

4. **NOTE:** Only a light application of oil is needed to provide adequate lubrication of moving parts and to prevent rust. Excess accumulation of oil tends to attract particles of dust and dirt and may congeal in cold weather which can interfere with the safe and reliable function of the rifle.

WARNING – LUBRICATION

Firing a rifle with oil, grease, or any other material even partially obstructing the bore may result in damage to the rifle and serious injury to the shooter and those nearby. Do not spray or apply lubricants directly on ammunition. If the powder of a cartridge is affected by the lubricant, it may not be ignited, but the primer firing may push the bullet into the bore where it may be lodged. Firing a subsequent bullet into the obstructed bore may damage the rifle and cause serious injury or death to the shooter and those nearby. Use lubricants properly. You are responsible for the proper care and maintenance of your firearms.

IMPROPER LUBRICATION DESTROYS FIREARMS

MAINTENANCE OF CERAKOTE® FINISHES

Firearms and components, both metal and polymer, may be finished with Cerakote®. Cerakote® is a polymer-ceramic composite coating that provides an attractive, durable, corrosion, and chemical-resistant surface on your rifle. These finishes vary in color and composition, but all provide excellent protection when properly maintained.

Cerakote® can be cleaned using a soft brush or rag and mild solvent or detergents to remove soil and fouling from the surface. Do not use hard metallic brushes or aggressive solvents that might damage the finish or underlying material.

Finish by applying a light coating of gun oil on all surfaces with a soft rag or patch.

MAGAZINE INSPECTION AND CARE

Check the magazine frequently. The follower must move freely and have adequate spring tension so that each cartridge is quickly raised to the feeding position.

To test the spring tension, load one cartridge into the magazine and then firmly press against the cartridge case. Remove your finger quickly. The cartridge should instantly and fully move into the feeding position. If it does not, the magazine should be cleaned. If cleaning does not restore proper spring tension, do not use the magazine. (**NOTE:** After testing, remove the test cartridge.)

When cleaning is necessary, use a solvent that will not rust the metal components.

STORAGE

FIREARMS SHOULD NOT BE STORED LOADED!

USE THE LOCKING DEVICE SUPPLIED WITH THE RIFLE FOR STORAGE.

(SEE PAGE 9)

Do not store the rifle in a leather case or scabbard. Leather attracts moisture, even though it may appear to be dry.

WARNING – STORAGE

- **Never place or store any firearm in such a manner that it may be dislodged. Firearms should always be stored securely and unloaded, away from children and careless adults.**
- **Use the locking device supplied with the rifle for storage. The use of a locking device or safety lock is only one aspect of responsible firearms storage.**
- **For increased safety, firearms should be stored unloaded in a location that is both separate from their ammunition and inaccessible to children and any other unauthorized person.**

STORE SECURELY & UNLOADED

SERVICE AND PARTS POLICY

If you have any questions regarding your RUGER® HARRIER™ rifle please contact our Customer Service online at **Ruger.com** or call the Customer Service Department at 336-949-5200. Fully describe all circumstances and conditions involved. If you should need to return your rifle to the factory for repair, or order parts for it, please comply with the following suggestions for prompt service:

WARNING: BEFORE SHIPPING ANY FIREARM, BE ABSOLUTELY CERTAIN THAT THE FIREARM AND ITS MAGAZINE ARE UNLOADED. DO NOT SHIP CARTRIDGES WITH A FIREARM.

SHIPPING FIREARMS FOR REPAIR

NOTE: **You must obtain a Repair Authorization Number before returning your firearm.** An authorization number can be obtained by contacting Customer Service online at **Ruger.com** or calling the Customer Service Department at 336-949-5200. Firearms should be sent prepaid. We will not accept collect shipments.

The Federal Gun Control Act, as well as the laws of most states and localities, do not prohibit an individual (who is not otherwise barred from purchasing or possessing a firearm) from shipping a firearm directly to the manufacturer for repair. However, before you ship your firearm to us, be certain that your state or locality does not have a law or regulation that will prohibit you from receiving the firearm (or any included magazines) from us after repair. If such receipt is prohibited, please have a federally licensed firearms dealer ship the firearm to us. If your firearm is sent to us by a dealer, it will be returned to that dealer after being repaired. If a handgun (pistol or revolver) is shipped by an individual who does not hold a Federal Firearms License, it must be shipped for overnight delivery via U.P.S., Federal Express or other, similar private overnight service. **NOTE:** Persons who do not hold a Federal Firearms License are prohibited by Federal law from shipping a handgun by U.S. Mail. Handguns mailed in violation of the law may be impounded or confiscated by the Post Office and the non-FFL may be subject to prosecution. Rifles and shotguns may be shipped via U.S. Mail.

Please do not include rifle cases, slings, telescopic sights, or custom accessories with a firearm being shipped to the factory for service. **DO NOT SEND FIREARM BOXES OR LITERATURE THAT YOU CONSIDER TO BE COLLECTORS' ITEMS – THESE ARE INVARIABLY DAMAGED OR DESTROYED IN SHIPMENT.** Always insure your shipment.

Enclose a letter that includes your name, address, telephone number, firearm serial number and model, and repair authorization number. Describe in detail the trouble you have experienced with your firearm, or the work you wish to have done. Merely stating that the firearm "needs repair" is inadequate information. Please enclose copies of any previous correspondence.

All work performed is subject to a minimum labor charge and charges for shipping and handling. Most models can be refinished, but custom gunsmithing service or nonstandard alterations are NOT AVAILABLE from Ruger Customer Service Departments. Please contact the Customer Service Department for pricing information.

⚠ WARNING – PARTS PURCHASERS

- It is the purchaser's responsibility to be absolutely certain that any parts ordered from the factory are correctly fitted and installed.
- Firearms are complicated mechanisms and IMPROPER FITTING OF PARTS MAY RESULT IN A DANGEROUS MALFUNCTION, DAMAGE TO THE FIREARM, AND SERIOUS INJURY TO THE SHOOTER AND OTHER PERSONS.
- The purchaser and installer of parts must accept full responsibility for the correct adjustment and functioning of the firearm after such installation.

PARTS MUST FIT CORRECTLY

ORDERING PARTS

Please contact our Customer Service Department at 336-949-5200 for parts availability and current prices or use our Online Support Request located at **Ruger.com/CustomerService** to request assistance with your firearm.

Payment in full via credit card (Visa, MasterCard, Discover, or American Express), money order, or certified bank check (no personal checks or cash, please) is required before any service will be performed. All parts orders are subject to a minimum charge and charges for shipping and handling. There is a minimum charge plus a shipping and handling charge for non-warranty factory fit parts. All factory fit parts are fit on an exchange basis only. We will not return the replaced parts. Please contact the Customer Service Department for pricing information.

Barrels, and a number of other component parts, must be fit at the factory. Company policy is to proof-test and/or function fire all barrels after fitting to the receivers in which they are to be used. This procedure ensures maximum protection to our customers. The special proof-test ammunition used in this testing is sold only to bonafide firearms manufacturers and is not available to gun shops, gunsmiths, or individuals.

⚠ **WARNING:** A firearm containing broken, malfunctioning, or badly worn parts should not be loaded or fired.

RUGER® HARRIER™
PARTS LIST

Design, prices and specifications subject to change without notice.

SPECIFY MODEL, CALIBER, AND SERIAL NO. WHEN ORDERING

(See Exploded Views on Pages 52, 53 & 54)

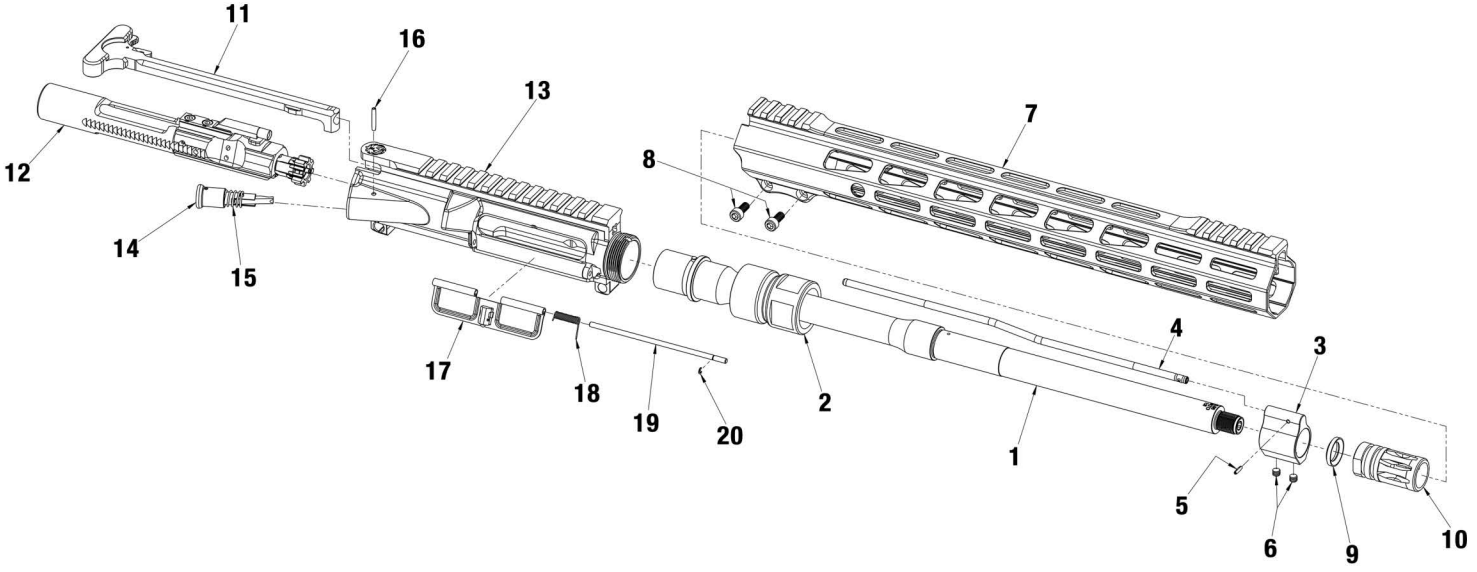
Key No.	Part Name
	Upper Receiver Assembly
	(Key Nos. 1 - 20, See Exploded View p. 52)
* 1	Barrel Assembly
2	Barrel Nut
3	Gas Block
4	Gas Tube Assembly
5	Gas Tube Retaining Pin
6	Gas Block Screw
7	Handguard
8	Handguard Screw, 2 Req'd
9	Crush Washer (Models so Equipped)
10	Flash Suppressor (Models so Equipped)
11	Charging Handle
12	Bolt Carrier Assembly
13	Upper Receiver
14	Forward Assist Assembly
15	Forward Assist Spring
16	Forward Assist Retaining Pin
17	Ejection Port Cover
18	Ejection Port Cover Spring
19	Ejection Port Cover Hinge Pin
20	Ejection Port Retaining Clip
	Lower Receiver Assembly
	(Key Nos. 21 - 56, See Exploded View p. 53)
† 21	Lower Reciver
22	Hammer
23	Adjustment Screw
24	Trigger Guard
25	Buffer Tube
26	Magazine Catch Button
27	Buttstock
28	Magazine Catch
29	Buffer Spring
30	Takedown Spring Detent, 2 Req'd
31	Takedown Spring, 2 Req'd
32	Pivot Pin

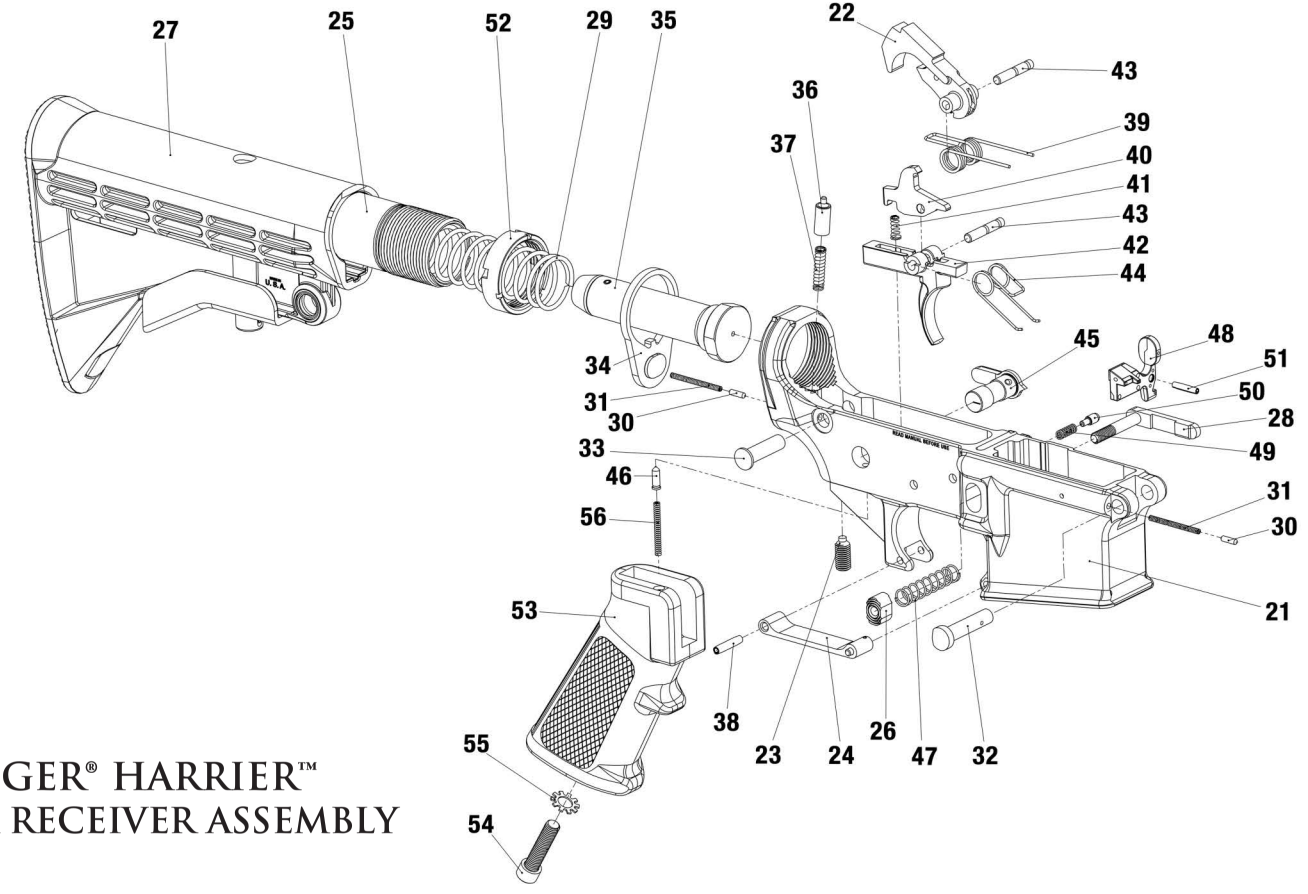
† The receiver is a serial-numbered part and is not separately offered for sale.

* Parts so marked must be factory fit.

Key No.	Part Name
33	Takedown Pin
34	Receiver End Plate
35	Buffer
36	Buffer Retainer
37	Buffer Retainer Spring
38	Trigger Guard Pin
39	Hammer Spring
40	Disconnector
41	Disconnector Spring
42	Trigger
43	Trigger / Hammer Pin, 2 Req'd
44	Trigger Spring
45	Safety Selector
46	Safety Selector Detent
47	Magazine Catch Spring
48	Bolt Catch
49	Bolt Catch Spring
50	Bolt Catch Plunger
51	Bolt Catch Pin
52	Castle Nut
53	Grip
54	Grip Screw
55	Grip Screw Washer
56	Safety Selector
	Bolt Carrier Assembly
	(Key Nos. 57 - 70, See Exploded View p. 54)
57	Firing Pin
58	Bolt Carrier
59	Cotter Pin
60	Bolt Cam Pin
61	Gas Ring, 3 Req'd
62	Bolt
63	Extractor Pin
64	Ejector Pin
65	Ejector Spring
66	Ejector
67	Extractor Buffer Spring
68	Extractor Spring
69	Extractor O-Ring
70	Extractor

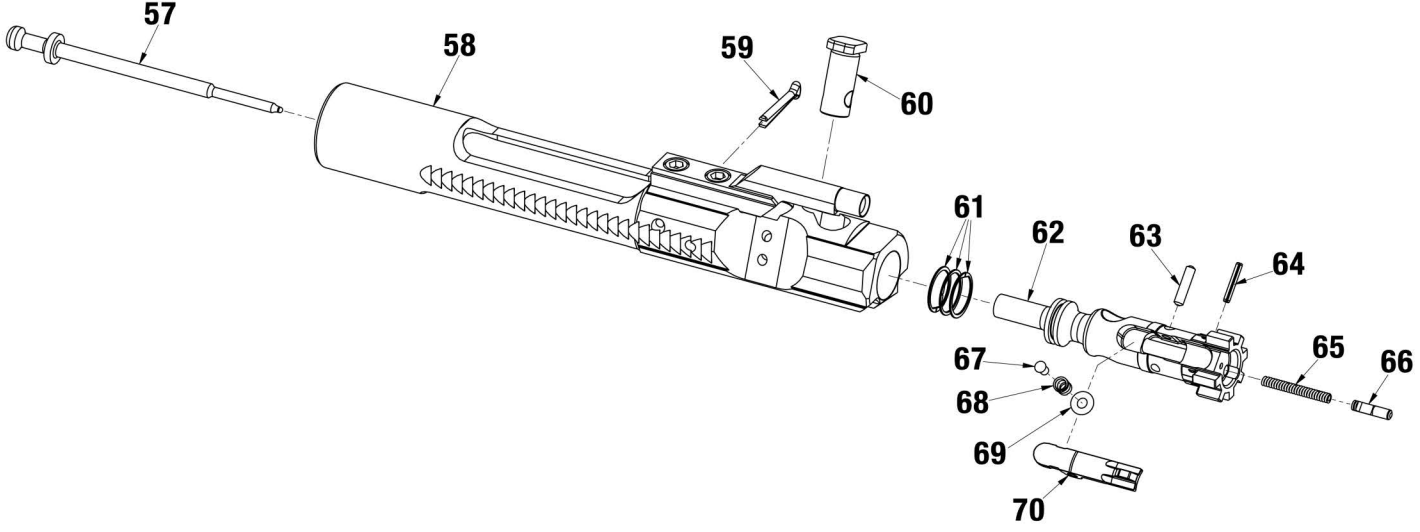
RUGER® HARRIER™
UPPER RECEIVER ASSEMBLY





RUGER® HARRIER™
LOWER RECEIVER ASSEMBLY

RUGER® HARRIER™
BOLT CARRIER ASSEMBLY



THE BASIC RULES OF SAFE FIREARMS HANDLING

We believe that Americans have a right to purchase and use firearms for lawful purposes. The private ownership of firearms in America is traditional, but that ownership imposes the responsibility on firearm owners to use their firearms in a way that will ensure their own safety and that of others. When firearms are used in a safe and responsible manner, they are a great source of pleasure and satisfaction, and represent a fundamental part of our personal liberty.

Firearms do not cause accidents! Firearms accidents are almost always found to have been the result of carelessness or ignorance on the part of the shooter of the basic rules of safe firearm handling.

The following rules must be observed by firearm users at all times. Safe firearm handling is not just desirable, it is absolutely essential to your safety, the safety of others, and the continuation of firearm ownership and sport shooting as we know it today.

1. LEARN THE MECHANICAL AND HANDLING CHARACTERISTICS OF THE FIREARM YOU ARE USING.

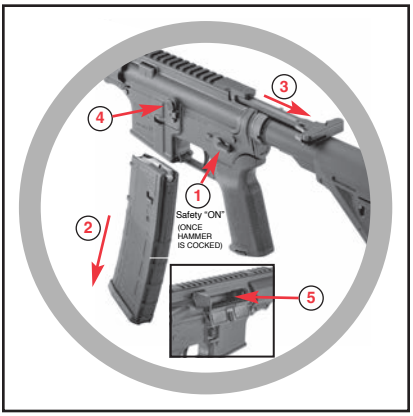
Not all firearms are the same. The method of carrying and handling firearms varies in accordance with the mechanical provisions for avoiding accidental discharge and the various proper procedures for loading and unloading. No one should handle any firearm without first having thoroughly familiarized themselves with the particular type of firearm they are using, and with safe firearm handling in general.

2. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

Be sure of the bullet stop behind your target, even when dry-firing. Never let the muzzle of a firearm point at any part of your body or at another person. This is particularly important when loading or unloading a firearm. In the event of an accidental discharge, no injury can occur as long as the muzzle is pointing in a safe direction. A safe direction means a direction that will not permit a discharged bullet to strike a person, or to strike an object from which the bullet may ricochet.

A safe direction must take into account the fact that a bullet may penetrate a wall, ceiling, floor, window, etc., and strike a person or damage property. Make it a habit to know exactly where the muzzle of your firearm is pointing whenever you handle it, and be sure that you are always in control of the direction in which the muzzle is pointing, even if you fall or stumble. Keep your finger off the trigger until you are ready to shoot.

3. FIREARMS SHOULD BE UNLOADED WHEN NOT IN USE.



Firearms should be loaded only when you are in the field or on the target range or shooting area, ready to shoot. Firearms and ammunition should be securely locked in safes, racks or cabinets, or by using the locking device supplied with the firearm, when not in use. Ammunition should safely be stored separate from firearms. Store your firearms out of sight of visitors and children. It is the firearm owner's responsibility to be certain that children and persons unfamiliar with firearms cannot gain access to firearms, ammunition, or components.

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

Even a bit of mud, snow or excess lubricating oil or grease in the bore may cause the barrel to bulge, or even burst on firing, and can cause serious injury to the shooter and bystanders. Be sure that you are using ammunition of the proper caliber and loading for the firearm you are using. If the report or recoil on firing seems weak, or doesn't seem quite right, CEASE FIRING IMMEDIATELY, unload your firearm, and check to be sure that no obstruction has become lodged in the barrel. Never try to shoot out an obstruction!

5. BE SURE OF YOUR TARGET BEFORE YOU SHOOT.

Don't shoot unless you know exactly where your bullet is going to strike. Be sure of the bullet stop behind your target, even when dry-firing with an unloaded firearm. If you are in the field hunting, do not fire at a movement or noise. Take the time to be absolutely certain of your target before you pull the trigger.

6. WEAR SHOOTING GLASSES AND HEARING PROTECTION WHEN YOU SHOOT.

All shooters should wear protective shooting glasses and adequate hearing protection when shooting. Exposure to shooting noise can damage hearing, and wearing adequate eye protection when shooting is essential.

7. NEVER CLIMB A TREE OR FENCE WITH A LOADED FIREARM.

Put the firearm down carefully before climbing a fence, and unload it before climbing or descending a tree or jumping over a ditch or other obstruction. Never pull or push a loaded firearm toward yourself or another person. When in doubt, or whenever you are about to do anything awkward, unload your firearm!

8. DON'T SHOOT AT A HARD SURFACE OR AT WATER.

Bullets can glance off many surfaces like rocks or the surface of water and travel in unpredictable directions with considerable velocity.

9. NEVER TRANSPORT A LOADED FIREARM.

Firearms should always be unloaded before being moved or placed in a vehicle. A suitable carrying case or scabbard should be used to carry an unloaded firearm to and from the shooting area.

10. AVOID ALCOHOLIC BEVERAGES WHEN SHOOTING.

Don't drink until the day's shooting is over. Handling firearms while under the influence of alcohol in any form, or medications that could affect your judgement or coordination, constitutes a criminal disregard for the safety of others.

AN EXTRAORDINARY ACHIEVEMENT: RUGER® FIREARMS

Sturm, Ruger & Company, Inc. began humbly in 1949, when William B. Ruger and Alexander M. Sturm opened a small machine shop in Southport, Connecticut with $50,000 and a bold idea. Their first product, a .22 caliber autoloading pistol, proved so successful that it became the foundation of one of America's most respected and comprehensive firearms companies. After Alex Sturm's passing in 1951, Bill Ruger guided the Company for more than five decades, shaping its philosophy and reputation until his death in 2002.

From those modest beginnings, Ruger has grown into one of the world's preeminent firearms manufacturers, producing millions of revolvers, pistols, rifles, and shotguns. Today, the Company's products are offered under the Ruger®, Marlin®, and Glenfield® brands, representing a broad portfolio of Rugged, Reliable Firearms® that serve shooting sports enthusiasts, hunters, and law enforcement worldwide. Ruger's reputation for quality craftsmanship and innovative design has made it one of the most recognized names in the industry.

Throughout its history, Ruger has remained steadfast in its commitment to responsibility and tradition, championing the Second Amendment rights of responsible firearm owners and supporting conservation efforts to help protect the foundation of the shooting sports for generations to come. Guided by its enduring motto, "Arms Makers for Responsible Citizens®," the Company has consistently emphasized the safe ownership and use of firearms, encouraging generations of shooters to participate responsibly in the shooting sports. In keeping with this philosophy, Ruger markets its firearms for sporting, hunting, recreational and self-defense purposes, while remaining dedicated to meaningful public service and fostering traditions that underscore the positive aspects of firearms ownership.

As Ruger looks to the future, it continues to honor the values that built its success, rooted in integrity, respect, innovation, and teamwork, while also reinforcing its long-standing commitment to responsibility, safety and providing reliable products at an achievable price. Today, Sturm, Ruger & Company, Inc. proudly acknowledges the loyalty of its employees, customers and partners, whose dedication has been essential to its success. With gratitude and a continued focus on innovation, Ruger continues to build upon its extraordinary legacy and remains steadfast in its mission to produce Rugged, Reliable Firearms that embody the heritage of American manufacturing and the enduring spirit of responsible citizenship.

The most recent versions of this and other instruction manuals for Ruger®, Marlin®, and Glenfield® firearms can be downloaded from:

Ruger.com, MarlinFirearms.com, or GlenfieldFirearms.com

WHY NO WARRANTY CARD HAS BEEN PACKED WITH THIS NEW RUGER® FIREARM

The Magnuson-Moss Act (Public Law 93-637) does not require any seller or manufacturer of a consumer product to give a written warranty. It does provide that if a written warranty is given, it must be designated as "limited" or as "full" and sets minimum standards for a "full" warranty. Sturm, Ruger & Company, Inc. has elected not to provide any written warranty, either "limited" or "full", rather than to attempt to comply with the provisions of the Magnuson-Moss Act and the regulations issued thereunder. There are certain implied warranties under state law with respect to sales of consumer goods. As the extent and interpretation of these implied warranties varies from state to state, you should refer to your state statutes. Sturm, Ruger & Company wishes to assure its customers of its continued interest in providing service to owners of Ruger® firearms.

STURM, RUGER & COMPANY, INC.

RUGER.COM

ARMS MAKERS FOR RESPONSIBLE CITIZENS®

A COPY OF THE INSTRUCTION MANUAL FOR ANY RUGER® FIREARM IS AVAILABLE FROM THE FACTORY FREE ON REQUEST, OR IT MAY BE DOWNLOADED FROM OUR WEBSITE AT RUGER.COM. THESE INSTRUCTION MANUALS CONTAIN IMPORTANT WARNINGS THAT MUST BE UNDERSTOOD BEFORE USING THESE FIREARMS.

The Following are Sturm, Ruger & Co., Inc. Trademarks: "Bisley," "Gold Label," "I'm a Ruger American," "LC6," "LCR-357," "LC380CA," "LC Carbine," "LC Charger," "LC9s Pro," "Mark II" (pistols only), "Lite Rack," "Mark III," "Mark IV," "Model 96," "P345," "P345D," "P345PR," "P85," "P89," "P90," "P91," "P93," "P94," "P95," "P97," "PC Carbine," "PC Charger," "Power Bedding," "R.I.O.S.," "Ruger Marksman Adjustable," "Ruger 77/50," "Ruger 10/17," "Ruger 10/22 Takedown" (design), "Ruger One-Shot," "Secure Action," "Security-Six," "Service-Six," "77/357," "SFAR," "Single-Seven," "Speed-Six," "SR45," "SR-556C," "SR-556VT," "SR9c," "SR40c," "Super Bearcat," "Target Grey," "10/22-FS," "This is Ruger. This is America.," "Tri-Flex," "22 Charger," "22/45," "22/45 RP," and "Your Next Handgun."

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