BROWNELLS® RETRO RIFLE MANUAL

RETRO RIFLE MANUAL

Safety & Basic Operation

Before working on any firearm, ensure it is unloaded, the chamber is empty, and the safety is on!

Congratulations on becoming the new owner of a Brownells Retro rifle.

This manual covers safety and basic operation of the BRN-10, BRN-16A1, BRN16E1, BRN-601 and XM177-E2 and other AR-15 style Brownells Retro rifles.

More detailed information on disassembly, cleaning, reassembly, maintenance and upgrades can be found in the following ways:

- Call 1-800-741-0015 and ask to speak with a Gun Tech, a free service
- See the Brownells YouTube Channel at https://www.youtube.com/user/brownellsinc
- Visit the "Learn" section of the Brownells website at www.Brownells.com/learn

READ THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL CAREFULLY BEFORE USING THIS FIREARM; DO NOT DISCARD THIS MANUAL.

This instruction manual should always accompany this firearm and be transferred with it upon transfer of possession or ownership, or when the firearm is loaned or presented to another person.

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 retail dealer with firearms sold in that state. Brownells 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

"Children are attracted to and can operate firearms that can cause severe injuries or death. 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."

ADVERTENCIA

"A los niños atraen las amas 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 siepre con llave y descargadas cuando no las esté utilizando. Si usted tiene una arma de fuego cargada en un lugar en que un niño tiene accesso a ella y la usa indebidamente, le pueden dar una multa o enviarlo a la carcel."

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."

MAINE:

"ENDANGERING THE WELFARE OF A CHILD IS A CRIME. IF YOU LEAVE A FIREARM AND AMMUNITION WITHIN EASY ACCESS OF A CHILD, YOU MAY BE SUBJECT TO FINE, IMPRISONMENT OR BOTH. KEEP FIREARMS AND AMMUNITION SEPARATE.

KEEP FIREARMS AND AMMUNITION LOCKED UP. USE TRIGGER LOCKS."

MARYLAND:

"WARNING: Children can operate firearms which may cause death or serious injury. It is a crime to store or leave a loaded firearm in any location where an individual knew or should have known that an unsupervised minor would gain access to the firearm. Store your firearm responsibly!"

MASSACHUSETTS:

"WARNING FROM THE MASSACHUSETTS ATTORNEY GENERAL: This handgun is not equipped with a device that fully blocks use by unauthorized users. More than 200,000 firearms like this one are stolen from their owners every year in the United States. In addition, there are more than a thousand suicides each year by younger children and teenagers who get access to firearms. Hundreds more die from accidental discharge. It is likely that many more children sustain serious wounds, or inflict such wounds accidentally on others. In order to limit the chance of such misuse, it is imperative that you keep this weapon locked in a secure place and take other steps necessary to limit the possibility of theft or accident. Failure to take reasonable preventative steps may result in innocent lives being lost, and in some circumstances may result in your liability for these deaths."

"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 TO LEAVE A LOADED FIREARM WITHIN EASY ACCESS OF A MINOR."

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NEW YORK CITY, NY:

"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 AND LOCKED IN A LOCATION THAT IS BOTH SEPARATE FROM THEIR AMMUNITION AND INACCESSIBLE TO CHILDREN AND OTHER 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.

TEXAS:

"IT IS UNLAWFUL TO STORE, TRANSPORT, OR ABANDON AN UNSECURED FIREARM IN A PLACE WHERE CHILDREN ARE LIKELY TO BE AND CAN OBTAIN ACCESS TO THE FIREARM."

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, state police, or local 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.

Before working on any firearm, ensure it is unloaded, the chamber is empty, and the safety is on!

Basic Gun Safety

When handling your Brownells Retro rifle, or any other firearm, always follow the basic rules of gun safety.

- Keep the muzzle pointed in a safe direction
- Keep your finger away from the trigger until your sights are on target
- Keep the gun free of ammunition, until you are ready to use the gun

Additional Rules For Safe Gun Use

In addition to the above basic rules of gun safety, here are more rules for safely handling and using guns.

- Assume all guns are loaded, and treat them as such
- Know how to safely use the gun before shooting it. If unsure, consult a qualified expert
- Before use, ensure gun is in working condition. If unsure, consult a qualified expert
- Clearly identify your target before firing
- Know what lies beyond your target before firing
- Use proper eye protection when shooting
- Use proper ear protection when shooting
- Use only correct ammunition in your gun. If unsure, consult a qualified expert first
- Never use guns while under the influence of alcohol or drugs
- Always store guns properly to prevent access by unauthorized people

The ultimate responsibility for secure storage of any firearm must depend upon its owner and his or her individual circumstances. Firearms should be stored unloaded, in a secure location, separate from their ammunition.

BASIC OPERATION

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 any parts or accessories not manufactured by Brownells or specifically designed to be compatible for this product.

OWNERS OF BRN-10 RIFLES: DO NOT REMOVE, MODIFY OR ALTER THE CHARGING HANDLE SPRING. DOING SO COULD RESULT IN THE CHARGING HANDLE NOT PROPERLY LATCHING.

SAFETY INFORMATION

The safety warnings in this manual are important. By understanding the dangers inherent in the use of any firearm, and by taking the precautions described herein, you can enjoy increased safety in the use of your rifle. Failure to heed any of these warnings may result in serious injury to you or others, as well as severe damage to the firearm or other property. Brownells Inc. shall not be responsible in any manner whatsoever for malfunctioning of the firearm, physical injury or property damage resulting in whole or in part from:

1) Criminal or negligent discharge;

2) Improper or careless handling;

3) Unauthorized modifications;

4) Defective, improper, hand-loaded, or reloaded ammunition;

5) Corrosion;

6) Neglect; or

7) Other influences beyond our direct and immediate control.

This limitation applies regardless of whether liability is asserted on the basis of contract, negligence, or strict liability (including any failure to warn). Under no circumstance shall Brownells, Inc. be liable for incidental or consequential damages, such as loss of use of property, commercial loss, and loss of earnings or profits.

LOADING THE MAGAZINE

- Load magazines only with clean ammunition of the proper caliber
- To load, position the cartridge above the opening at the top of the magazine
- Make sure the bullet points toward the front of the magazine, and align the cartridge between the feed lips at the top of the magazine opening
- Push down until the cartridge snaps into place
- Do not attempt to load more cartridges than the magazine is designed to accept

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

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MAGAZINE INSERTION

Before manipulating the weapon, ensure the safety lever is in the "SAFE" position. Keep muzzle pointed in a safe direction and finger out of the trigger guard.

- Keep the rifle pointed in a safe direction as you insert a magazine
- Grasp a loaded magazine and hold it beneath the magazine well opening on the bottom of the rifle
- Make sure the bullets are pointing forward, in the same direction of the rifle's muzzle
- Insert the magazine and push it until it snaps or clicks into place

MAGAZINE REMOVAL

Before manipulating the weapon, ensure the safety lever is in the "SAFE" position. Keep muzzle pointed in a safe direction and finger out of the trigger guard.

- Push the magazine release button located on the right side of the magazine well. It is located so the "trigger finger" of the right hand can easily reach it
- The magazine should drop free easily
- If the magazine does not drop free, grasp it with the other hand while pushing the magazine release button, and pull it free

Removing cartridges from the magazine does not prevent the rifle from being fired! When there is a cartridge in the chamber and the safety lever is in the "FIRE" position, the cartridge will discharge if the trigger is pulled. It is absolutely essential for the user to know how to completely unload the rifle. "Completely" means emptying the magazine and removing a chambered cartridge. The safety lever should always be in the "SAFE" position when the rifle is being unloaded.

THE RIFLE WILL FIRE EVEN IF THE MAGAZINE IS EMPTY OR REMOVED!

LOAD WITH MAGAZINE INSERTED

Before manipulating the weapon, ensure the safety lever is in the "SAFE" position. Keep muzzle pointed in a safe direction and finger out of the trigger guard.

- Make sure the safety is on and the gun is pointed in a safe direction
- Insert a loaded magazine into the magazine well, as described above
- Grasp the charging handle located at the top rear of the upper receiver, making sure to depress the latch of the handle with either your finger or thumb
- Retract the handle all the way to the rear, and let fly forward under spring tension
- Do not attempt to "ease" the charging handle forward. Let it go and allow it to snap into place

FIRING

- Aim the rifle at a clearly-identified target with a safe backstop beyond it
- Push the safety selector from "SAFE" to "FIRE"
- Place your finger on the trigger, and press it to the rear
- The gun will fire, eject the empty cartridge case, and load the next round on its own
- The gun will continue to fire one shot per pull of the trigger until you stop pulling the trigger, or the magazine is empty
- With most modern AR-15 magazines, the bolt will lock back to expose an empty chamber after the last round is fired
- Remove empty magazine as described above

UNLOADING WITH CHAMBERED ROUND

If you decide to unload the rifle after chambering a round, be aware that the gun is loaded, and ready to fire.

- Make sure your finger is off the trigger
- Point the rifle in a safe direction and move the safety selector to "SAFE"
- Push the magazine release button and remove the loaded magazine
- Only after the magazine is removed, operate the charging handle as if you are loading the gun to eject the live round from the chamber
- Always remove the loaded magazine BEFORE operating the charging handle

Operating the charging handle first will load another live round into the chamber, leaving the gun loaded when you remove the magazine.

BORE OBSTRUCTIONS

Firing your gun with the bore obstructed can damage or destroy the gun, and cause injury or even death. Dirt, snow, water, extra oil or grease are just a few of the things that can cause bore obstructions.

Before manipulating the weapon, ensure the safety lever is in the "SAFE" position. Keep muzzle pointed in a safe direction and finger out of the trigger guard.

To check for bore obstructions before shooting, use the following steps.

1. Make sure the gun is unloaded. If there is a magazine inserted, remove it. Pull back the charging handle to retract the bolt, and visually inspect the chamber for ammunition.
2. Pull back the charging handle again and visually inspect the chamber a second time to make absolutely sure there is no ammunition in the gun.
3. Let the bolt go forward on the empty chamber.
4. Push out the rear takedown pin, and lift the upper receiver off the lower, as if for cleaning.
5. Pull the charging handle and bolt carrier assembly out of the rear of the upper receiver.
6. Point the muzzle at a light source in a safe direction, and look up the barrel from the rear of the upper receiver. Or, insert a bore light into the muzzle to illuminate the bore while you look into the bore from the rear of the upper receiver.
7. If you see an obstruction, use a cleaning rod or similar tool to attempt push out the obstruction. If the obstruction cannot be removed, consult a gunsmith.
8. If a bullet is in the bore, do not attempt to shoot it out by using another cartridge or by blowing it out with a blank or one from which the bullet has been removed. Such techniques can generate excessive pressure, damage the firearm, and cause serious personal injury.
9. Once you are sure the bore is clear, insert the charging handle and bolt carrier group back into the upper, and then push the upper receiver back down onto the lower. Finally push the takedown pin back into the lower receiver.

Bullet Lodged Inside The Barrel

Another cause of bore obstructions is a bullet lodged inside the barrel.

This may be caused by a "squib round" that does not have enough power to push a bullet completely through the barrel, or even by a cartridge with a loose crimp that leaves the bullet inside the barrel when the unfired cartridge is extracted from the chamber.

If you notice a round that sounds strange or underpowered when you are shooting, or the rifle extracts only an empty cartridge case when you were expecting a loaded round, stop shooting immediately.

Before manipulating the weapon, ensure the safety lever is in the "SAFE" position. Keep muzzle pointed in a safe direction and finger out of the trigger guard.

Follow the steps listed above for checking for a bore obstruction. If there is a bullet lodged inside the barrel of your gun, do not attempt to fire another round, but consult a gunsmith.

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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. Maintain adequate ventilation at all times. Wash hands thoroughly after exposure. SHOOTING OR CLEANING FIREARMS MAY EXPOSE YOU TO LEAD

Never carry the rifle loaded with the safety lever in the "FIRE" position. If dropped or struck with the safety off ("FIRE"), the rifle may fire. Such a discharge can occur with or without the trigger being directly struck or touched. Never rest a loaded rifle against any object (wall, tree, fence, vehicle, etc.) because there is always the possibility that the rifle will be jarred or slide from its position and fall with sufficient force to discharge. Keep the safety lever on "SAFE" unless actually firing.

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