

TEXAS SHOOTER'S SUPPLY

COME AND TAKE IT



OPERATION AND SAFETY MANUAL



Texas Shooter's Supply Model TSS-15 Weapons

5.56 / .223 Rem. / 7.62X39

300 AAC / 6.5 GRENDEL / 6.8 SPC/308

WARNING: BEFORE USING THIS FIREARM,

READ AND FOLLOW THESE INSTRUCTIONS

Texas Shooter's Supply

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NOTES



Warranty TERMS _____ YEAR(S)

SERIAL NUMBER INFORMATION

Record the serial number and date of purchase of your Texas Shooter's Supply firearm!

DATE ____/____/____

(When holding the firearm the serial number will be found on the left side of the firearm, stamped on the magazine well):

And a description of it:

Make a copy of proof of purchase/sales record. Maintain these items in a secure safe or fireproof container. These materials will be necessary if the firearm is damaged, stolen or returned to Texas Shooter's Supply for warranty or repair

. Attach LABEL HERE

Safety

Warnings and Notifications



WARNING:
IF THIS FIREARM IS CARELESSLY OR IMPROPERLY HANDLED, UNINTENTIONAL DISCHARGE COULD RESULT AND COULD CAUSE INJURY, DEATH OR DAMAGE TO PROPERTY.



CAUTION:
CAREFULLY READ THIS MANUAL PRIOR TO LOADING AND FIRING, FOLLOW ALL INSTRUCTIONS ON THE PROPER HANDLING AND SAFE USE OF THIS FIREARM – LIVES MAY DEPEND ON IT! If unfamiliar with firearms, seek further advise through safe handling courses run by your local gun clubs, NRA approved instructor or similar qualified organizations.



CAUTION:
USE ONLY CLEAN, DRY, HIGH QUALITY COMMERCIALY MANUFACTURED AMMUNITION IN GOOD CONDITION which is appropriate to the .223 Rem. Caliber of your firearm. We do not recommend the use of remanufactured or hand loaded ammunition because it may damage your rifle. Use of improper ammunition will void your warranty.



WARNING:
THIS WEAPON COULD CHAMBER A ROUND if it is dropped or jarred with a loaded magazine in place – either with the Bolt Carrier Assembly to the rear, or in its forward position.



WARNING:
CHILDREN ARE ATTRACTED TO AND CAN OPERATE FIREARMS THAT CAN CAUSE SEVERE INJURIES OR DEATH. Prevent child access by always keeping your firearm 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 fines and sent to prison.

Before this rifle left the factory, this firearm was tested, carefully inspected and packaged. Anderson Manufacturing cannot control product handling after it leaves the factory, therefore please examine this firearm carefully at the time of purchase to ensure that it is unloaded and undamaged.

Safe Handling Procedures

- Do **NOT** alter or modify your AR -15 firearm!
- **ALWAYS HANDLE YOUR FIREARM AS IF IT IS LOADED!**
- **NEVER** point your firearm at anything you don't intend to shoot.
- Always make sure your firearm is not loaded and the bolt is latched open and to the rear before laying it down or handing it to someone else.
- **NEVER LEAVE A LOADED FIREARM UNATTENDED!**
- Always be sure the bore, muzzle, chamber and action are clear of obstruction.
- Always check that ammunition is clean and undamaged.

- Never drink alcoholic beverages or use drugs before or during shooting.

- Always wear ear and eye protection when shooting.
- Always keep the safety on "SAFE" when the firearm is loaded and a round is chambered until you are ready to shoot.
- NEVER attempt to fire if water is in the bore.
- NEVER indulge in horseplay when holding your firearm.

ALWAYS PRACTICE SAFE FIREARMS HANDLING!

Dangerous Procedures

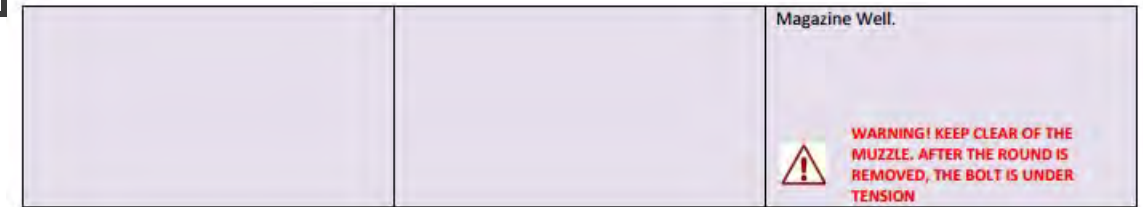
- Be sure the cam pin is installed in the bolt assembly. If it isn't, your rifle can still fire but it could possibly explode, causing you person injury or death
- Do NOT exchange or switch bolt assemblies from one rifle to another. It could cause harm to you and others and damage your rifle
- If your firearm fails to fire, hold it, keep it pointed towards the target and wait 30 seconds. If a hangfire has occurred, the round will fire within 30 seconds. If the round does not fire (misfire), remove magazine, eject round and examine the primer. If firing pin indent is light, misaligned or non-existent, have your firearm examined by a certified armorer. If firing pin indent on primer appears normal (in comparison to previously fired rounds) assume faulty ammunition; appropriately dispose of misfired round from other live ammunition, reload and resume firing.
- If your bolt fails to unlock and you try to free it by banging the buttstock on the ground, keep yourself clear of the muzzle!
- If there is water in the barrel, do NOT fire the rifle, it could explode!
- If you notice a difference in sound and recoil, STOP FIRING. Either condition could indicate an incomplete powder burn and/or a bullet stuck in the bore.

ALWAYS PRACTICE SAFE FIREARMS HANDLING!

About Your AR-15 Rifle

Description

Your AR -15 Model rifle is a lightweight, gas operated, air-cooled, magazine-fed, shoulder-fired weapon that is fired in a semi-automatic mode. The upper and lower receivers are easily opened for cleaning and inspection. The bolt assembly and barrel extension are designed with locking lugs that lock the bolt assembly to the barrel extension. The forged and billet upper and lower receivers reduce the weight of the rifle. Muzzle velocity is approximately 3260 feet per second at a chamber pressure of 52,000 PSI. The maximum effective rate of fire is 45 rounds per minute in semi-automatic mode. The maximum effective range is 550 meters for individual and point targets, and 800 meters for area targets. Maximum range is 3534 meters.



The Texas Shooter's Supply Limited One Year Warranty

LIMITED ONE YEAR WARRANTY Texas Shooter's Supply warrants to the original purchaser of its products that such products will be free from defects in materials and workmanship as such products were purchased from Texas Shooter's Supply; provided, however, that this one year limited warranty shall apply only if (I) the products are used and maintained by the purchaser as directed by all applicable documentation and instructions provided by Texas Shooter's Supply. Provided that; (I) the products have not in any way been modified, altered, misused, neglected, abused, or improperly assembled or repaired; (II) the claim is unrelated to normal wear and tear; (III) the products have been operated under conditions no more severe than those for which the products were designed; (IV) the products have not been subject to corrosion and (V) the claim is unrelated to a force majeure event.

OTHER THAN THIS LIMITED ONE YEAR WARRANTY, THE PRODUCTS ARE PROVIDED TO PURCHASER ON AN "AS IS" BASIS AND TEXAS SHOOTER'S SUPPLY MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS, IMPLIED, OR STATUARY, AS TO ANY MATTER WHATSOEVER, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE TEXAS SHOOTER'S SUPPLY SHALL NOT UNDER ANY CIRCUMSTANCES BE RESPONSIBLE FOR ANY LOSS OR DAMAGE, INDIRECT, SPECIAL, ORDINARY, EXEMPLARY, CONSEQUENTIAL OR OTHERWISE, ARISING OUT OF THE USE OR OPERATION OF THE PRODUCTS. UNDER NO CIRCUMSTANCES SHALL MANUFACTURER'S TOTAL LIABILITY OF ALL KINDS ARISING OUT OF OR RELATED TO THE USE OR OPERATION OF THE PRODUCTS (INCLUDING WITHOUT LIMITATION ANY WARRANTY CLAIMS HEREUNDER), REGARDLESS OF THE FORUM AND REGARDLESS OF WHETHER ANY ACTION OR CLAIM IS BASED ON CONTRACT, TORT OR OTHERWISE, EXCEED THE TOTAL AMOUNT PAID BY PURCHASER TO TEXAS SHOOTER'S SUPPLY.

The sole warranty remedy from Texas Shooter's Supply is limited to repairing or replacing, at its option, any covered part of its products that Texas Shooter's Supply has determined to be defective. Said repair or replacement will be made by Texas Shooter's Supply or its authorized representative free of charge to the original purchaser, except for any freight or travel expenses, during the warranty period.

	Fouling or carbon in the Extractor recess tip	Clean the Extractor
PROBLEM	POSSIBLE CAUSE	SOLUTION
Won't Feed	Dirty or Corroded Ammunition	Clean
	Dirty Magazine	Clean
	Defective Magazine	Replace
	Too Many Rounds in Magazine	Take out Excess
	Magazine Not Fully seated	Adjust Magazine Catch
Double Feed	Defective Magazine	Replace
Won't Chamber	Dirty or Corroded Ammunition	Clean
	Damaged Ammunition	Replace
Won't Lock	Dirt, Corrosion or carbon Buildup in the Barrel Locking Lugs	Clean Lugs
Won't Extract	Frozen Extractor	Remove and Clean
	Restricted Movement of the Bolt Carrier	Remove and Clean
	Restricted Buffer Assembly	Remove and Clean
Short Recoil	Alignment of gaps of the Bolt Gas Rings	See a Certified Armorer
	Carbon or Dirt in the Bolt Key or on the Outside of the Gas Tube	Clean the Bolt Key and the Area Around the Gas Tube
	Foreign Object Stuck in the Bolt Key	Clean if Possible or see a Certified Armorer
Bolt Fails to Lock After the Last Round	Dirty or Corroded Bolt Latch	Clean the Bolt Latch, Check for Buffer Endcap Obstruction and Check for Full Travel of the Bolt Carrier
Selector Lever Binds	Dirt or Sand Under the Trigger	Clean
Bolt Carrier is Hung Up	Round is Jammed Between the Bolt and Charging Handle and/or Double Feed	Remove the Magazine, push in on the bottom of the Bolt Latch. While pulling down on the Charging Handle, bang the Rifle Butt on the Ground. The Bolt should lock to the rear. While the Bolt is held to the rear, the round should fall through the

Parts of Your Rifle

The orientations of Figures 1 and 2 below refer to the sides of your rifle when it is shouldered.

RIGHT SIDE VIEW



Figure 1

LEFT SIDE VIEW



Figure 2



Figure 3

- Move the Selector to the "SAFE" position.
- Pull the trigger to check that the Safety is working correctly.
- Move the Selector to the "FIRE" position.
- Pull the trigger to check that the Firing Pin is working properly. Note that "dry firing" this rifle will not damage it in any way.

Storing your Rifle



WARNING:
BEFORE STORING, REMOVE THE MAGAZINE AND CLEAR THE CHAMBER.

- After clearing the chamber, check that the Bolt Assembly is in the forward (battery) position.
- Point the gun in a safe direction and check that the trigger is in a "fired" state
- Close the dust cover
- Store the rifle in its case in a safe area.
- If storing your rifle for an extended period of time, use a lite oil in the barrel and chamber to prevent corrosion.

Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Won't Fire	Selector Lever on "SAFE"	Select "FIRE"
	Improper Assembly of the Firing Pin.	Assemble Correctly
	Defective Ammunition	Remove and Discard
	Too much carbon on Firing Pin or in the Firing Pin recess	Clean
Bolt Won't Unlock	Dirty or Burred Bolt	Clean or see a Certified Armorer
Won't Extract	Broken Extractor Spring	See a Certified Armorer
	Dirty or Corroded Ammunition	Remove Stuck Round
	Carbon in the Chamber	Clean the Chamber

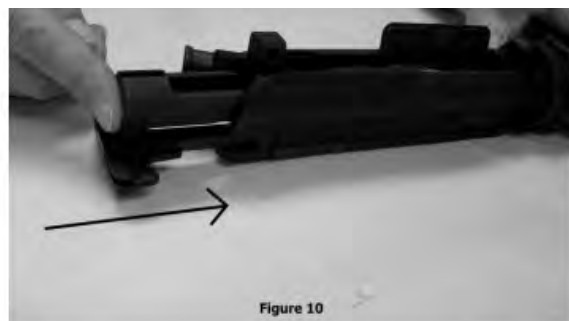


Figure 10



Figure 11

- Line up the Upper and Lower Receiver pivot pin holes and slide the Front Pivot Pin into the locked position. (see Figure 12 and Figure 13)
- Pivot the Receivers together and slide the Take Down Pin into the locked position. Refer to Figure 5.
- The firearm is now assembled



Figure 12



Figure 13

Function Test



WARNING:
BEFORE PERFORMING A FUNCTION TEST, REMOVE THE MAGAZINE AND CLEAR THE CHAMBER AND KEEP THE FIREARM POINTED IN A SAFE DIRECTION.

- Pull the Charging Handle fully to the rear and release. Make sure the Bolt Assembly returns to the forward (battery) position.

BOLT ASSEMBLY PARTS

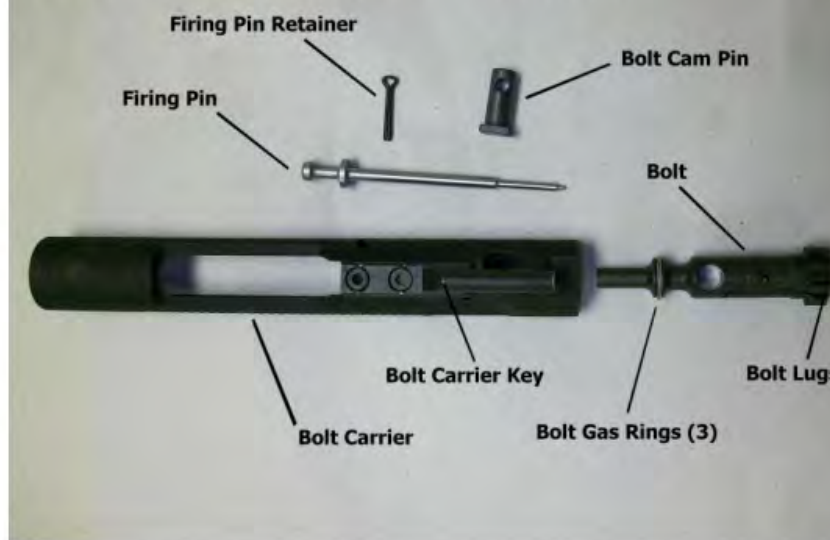


Figure 4

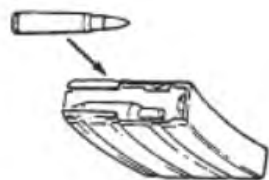
Operating your AM-15 Firearm

Safety Selector



The selector lever, located on the left of lower receiver, has two positions, "FIRE" and "SAFE". When set to "FIRE" the firearm will fire a single shot each time the trigger is pulled. When set to "SAFE" a cam bears upon the rear of the trigger, blocking movements and pre-venting the hammer from being released.

LOADING YOUR MAGAZINE



- Use only quality ammunition suitable for your firearm.
- With the magazine facing forward as shown, place a round between the lips of the magazine with the bullet tip forward. Push the round down until it is held by the magazine lips.
- If necessary, slightly push the round backward to seat it against the back edge of the magazine lips. Place the next round on top of the previous round and repeat steps until the desired amount of rounds is achieved.

Loading your Rifle



WARNING:

MAKE SURE THE RIFLE IS POINTED IN A SAFE DIRECTION AND THE SAFETY IS ENGAGED AT ALL TIMES WHILE LOADING THE RIFLE. NEVER ALLOW YOUR FINGERS OR OTHER OBJECTS TO CONTACT THE TRIGGER WHILE LOADING OR UNLOADING YOUR RIFLE. DO NOT DISENGAGE THE SAFETY UNTIL YOU ARE READY TO FIRE AND HAVE THE RIFLE POINTED SAFELY DOWNRANGE

- Press in on the bottom of the Bolt Catch while pulling back the Charging Handle. This will cock the hammer which positions the Bolt Carrier to the rear.
- Return the Charging Handle fully forward until it locks in place and remove your finger from the Bolt Latch.
- Set the Selector to the "SAFE" position.
- With the bullets pointing forward, insert the loaded magazine into the Magazine Well and push it up until it stops and is retained by the magazine catch.
- With the rifle pointed in a safe direction, press in on the top of the Bolt Catch. This will release the Bolt Carrier and move a round into the chamber. The rifle is now loaded with a round in the chamber and the hammer cocked.
- The Ejection Port Cover (dust cover) can be closed and will open automatically when the first round is fired.
- Do not disengage the safety until the rifle is pointed in a safe direction and you are ready to fire.

Firing your Rifle

- Always wear ear and eye protection when firing your weapon.
- Load firearm as previously described.

Cleaning your Firearm

The Bolt Assembly Parts can be soaked in soap (liquid detergent) and water for 5 minutes. Wipe the Upper Receiver and Lug area clean to make sure it is free of dirt. Do the same to the Lower Receiver including the trigger well, magazine well and all other interior pockets. Use a bore brush through the barrel.

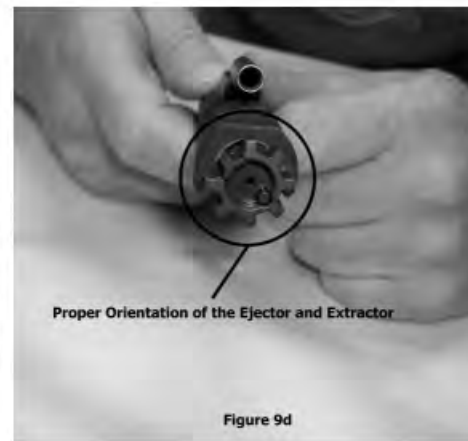
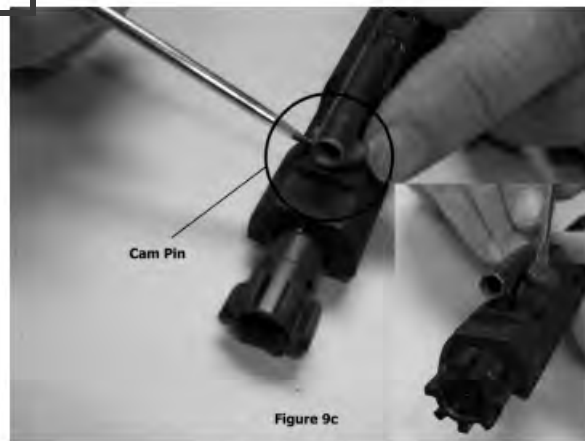
*****VERY IMPORTANT! BEFORE REASSEMBLING YOUR RIFLE, ALL PARTS MUST BE COMPLETELY DRY!!!*****

Reassembling the Bolt Assembly

- Reinsert the Bolt into the Bolt Carrier, note the orientation of the Lugs in Figure 9d.
- Reinsert the Cam Pin and rotate 90°, refer to Figure 9c.
- Reinsert the Firing Pin making sure it is seated completely back.
- Reinsert the Firing Pin Retainer
- After assembly, make sure the Bolt moves freely and that the Firing Pin is captured correctly.

Rifle Assembly

- Reinsert the Charging Handle into the Upper Receiver by aligning the ears of the Charging Handle with the notch in the Upper Receiver, refer to Figures 8a and 8b. Charging Handle must be seated at the bottom of the slot in the Upper Receiver. Slide the Charging Handle forward approximately ¼".
- With the Bolt fully extended, reinstall the Bolt Assembly into the Upper Receiver using the slot in the Charging Handle as a guide. Refer to Figure 7.
- Slide the Bolt Assembly into the forward (battery) position, note that the Charging Handle moves with the Bolt Carrier. (see Figure 10 and Figure 11)



Disassembling the Bolt Assembly

- Remove the Firing Pin Retainer. (see Figure 9a)
- Remove the Firing Pin. (see Figure 9b)
- To remove the Bolt Cam Pin, extend the Bolt completely, turn the Cam Pin 90° (1/4" turn), push bolt back into the Carrier so that Cam Pin clears the Gas key, then slide the Cam Pin out. (see Figure 9c)
- Inspect the Cam Pin for wear.
- Before removing the Bolt from the Bolt Carrier, note the orientation of the Extractor and Ejector. (see Figure 9d)
- Once the Bolt is removed, inspect the Gas Rings and Lugs for wear. If excessive wear is present, take parts to a certified armorer for replacement or repair.
- Inspect the Bolt Key to ensure that it is tight, if loose, take to a certified armorer for repair.



STOP:
FURTHER DISASSEMBLY IS NOT RECOMMENDED

- Before firing your rifle, practice your stance, aim, rhythm and breathing for steady aim with your firearm unloaded. Practice firing on a range before going hunting or using your firearm for any other type of shooting.
- Grasp firearm with one hand on the Handguard and other hand on pistol Grip with trigger finger resting along side of trigger guard. Raise firearm and pull Buttstock firmly into shoulder.
- Keeping steady aim, place trigger finger on the Trigger and squeeze gently until the Trigger releases the hammer. Do not jerk the Trigger as you will disturb your aim and ruin your accuracy.
- To fire the next round and subsequent rounds, all that is necessary is to release the Trigger and squeeze it again after every shot until the magazine is emptied.
- This is a semi-automatic firearm and is immediately loaded and ready to fire after each shot until magazine is empty.
- If the Bolt fails to lock automatically, press the Forward Assist button to lock it in. If this action is necessary, it is usually a sign that your rifle needs to be cleaned, especially in the Lug area of the Upper Receiver.
- Once the magazine is emptied, release the Trigger, remove finger from Trigger, and set Selector lever to "SAFE". If you have fired the last round from magazine, the Bolt Carrier will be held to the rear so that you can quickly reload by replacing the magazine or the chamber can be checked to ensure it is empty.

Clearing the Chamber (Unloading)



WARNING:
MAKE SURE THE RIFLE IS POINTED IN A SAFE DIRECTION AND THE SAFETY IS ENGAGED AT ALL TIMES WHILE LOADING THE RIFLE. NEVER ALLOW YOUR FINGERS OR OTHER OBJECTS TO CONTACT THE TRIGGER WHILE LOADING OR UNLOADING YOUR RIFLE.

- Press the Magazine Release to remove the magazine from the rifle.
- Press in on the bottom of the Bolt Catch while pulling back the Charging Handle. This will cock the hammer which positions the Bolt Carrier to the rear.
- If there is a round or a spent cartridge in the chamber, it will be ejected.
- Return the Charging Handle fully forward until it locks in place and remove your finger from the Bolt Latch.
- Set the Selector to the "SAFE" position.
- Inspect the chamber making sure it is empty.
- With the rifle pointed in a safe direction, press in on the top of the Bolt Catch. This will release the Bolt Carrier.
- Close the Ejection Port Cover (dust cover)

Maintaining Your AR-15 Firearm

Rifle Disassembly



WARNING:
BEFORE DISASSEMBLY, REMOVE THE MAGAZINE, CLEAR THE CHAMBER AND MAKE SURE THE FIREARM IS IN THE "SAFE" POSITION.

- Make sure the Bolt Assembly is in the forward (battery) position.
- Slide the Take Down Pin out, the firearm will now pivot forward. (see Figure 5)
- To completely separate the Lower Receiver from the Upper Receiver, slide the Front Pivot Pin out. (see Figure 6)
- To disengage and remove the Bolt Assembly, pull the Charging Handle back and remove the Bolt Assembly. (see Figure 7)
- Align the ears of the Charging Handle with the notch in the Upper Receiver to remove the Charging Handle Assembly. (see Figures 8a and 8b)



Figure 5

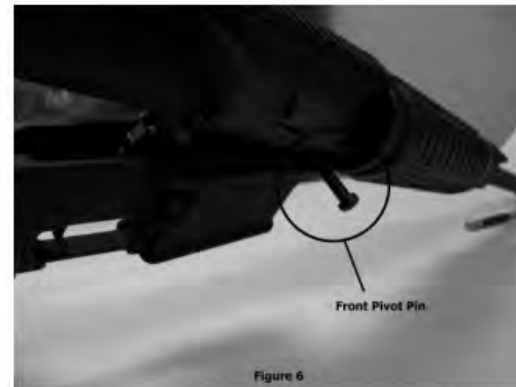


Figure 6

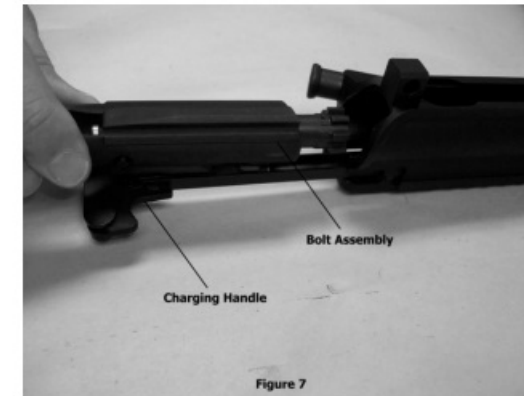


Figure 7



Figure 8a

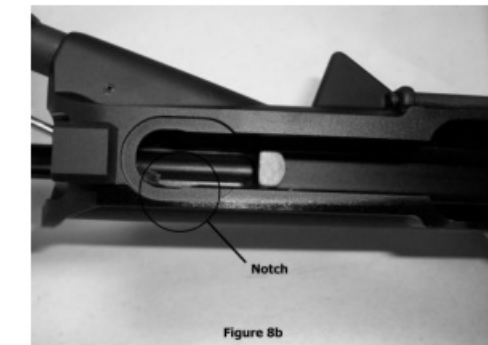


Figure 8b

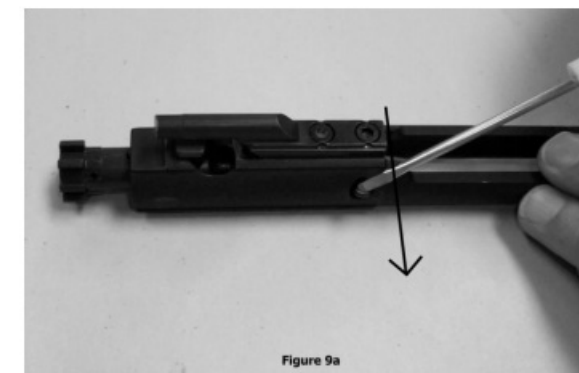


Figure 9a

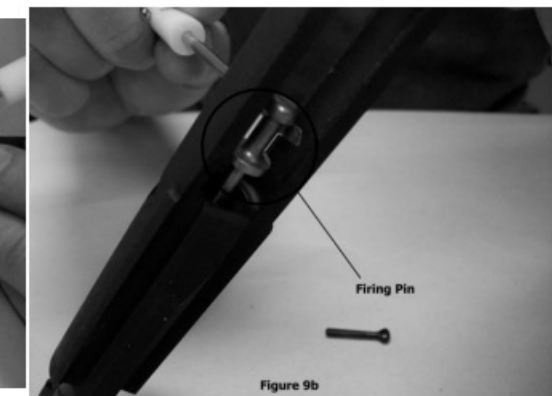


Figure 9b