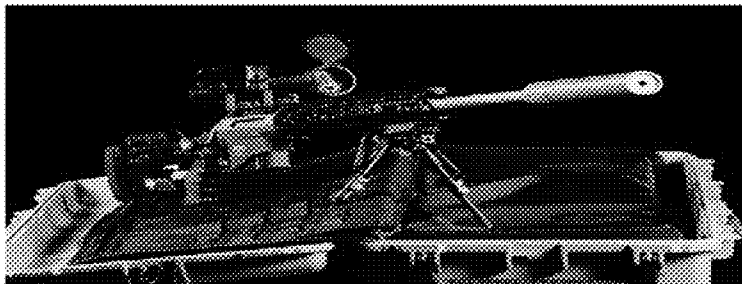




Remington-Union Metallic Cartridge Company

REMINGTON ARMS COMPANY INC. SUBMISSION TO
U.S. SPECIAL OPERATIONS COMMAND SOURCES
SOUGHT SOLICITATION #H92222-09-PSR
DATED JUNE 17, 2008



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Introduction

Remington Arms Company Inc. is very pleased submit the following documentation in support the U.S. Special Operations Command Sources Sought Solicitation #102222-09-0253, "Precision Sniper Rifle" dated June 17, 2008.

The Remington Arms New Sniper Weapon System (NSWS) is a magazine-fed, bolt action rifle developed from the ever changing requirements being placed upon snipers today. Remington's Military Products Division (MPD) has been in constant contact with our Armed Forces to best learn what features are desired in the next generation sniping weapons platform. Remington Arms Company has been supporting the U.S. Military with professional grade weapons and munitions since 1811. During this long and distinguished service, Remington Arms Company Inc. has become the nation's leader in development and production of military grade sniper weapon systems and their various components. Remington Arms Company Inc. won the Army solicitation in 1988 for the M24 Sniper Weapon System (NWS), which it continues to support. Remington rifles have been the basis of sniper systems used in every branch of the service to include the USMC, supplying the actions from the M40 through the M40A3. No other company has the depth of knowledge, availability of resources, or history of contract performance to the degree that Remington Arms Inc. does.

This document is divided into sections for ease of use. The sections cover the basic specifications of the rifle, assembly/disassembly and adjustment instructions, and an appendix with additional relevant information.

Remington wants to and can deliver the absolute best sniper weapon system possible, continuing both our company's and this country's long legacies of working together to provide superior equipment for our Armed Forces.

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Specifications and Features

- 208 Taper Magnum CSR
- Available in 20", 24", and 27" barrel - 1:8.5" Twist, Modified SR
- 48" OAL w/27" barrel
- 16 lbs. Base Rifle Weight (14 lbs. w/20" barrel)
- Advanced Armament Corp. Muzzle Brake for M1077 .338LM Sound Suppressor
- Adjustable Folding Stock
 - Adjustable cheek piece and butt plate for height, LOP, butt plate rotation
 - Dual-latching, right-folding stock with no lock feature
 - Accommodates AR-style grips
- PSO-1 Picc-Ning Fore End Assembly
 - Modular M1077 1913 accessory rail system
 - Integrated Picc-Ning
- 20 MOA Monolithic M1077 1913 Scope Rail With Recoil Lug (Removes)
- 3-Lug Picc-Ning Butt End with Lockup in Barrel Extension
 - Simplified barrel changing
 - Ease of caliber change
 - COI bolt rotation
- 5 and 10 round Detachable, Center-feed, Double-clip Magazine
 - Capable of accepting up to 4" OAL rounds
- 40X 23X Pro Adjustable Eye Control
- Serviceable Buffering Pin Assemblies without Tools
- Remington SuperCoat™ Magnum Finish
- Integrated Cable Management System in Stock and Fore End
- Accessory Rail on Bottom of Butt Block

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Assembly/Disassembly Instructions

Required Tools

Round Hat Spanner Wrench (supplied)
Torque Wrench
Vise with End Loaded Anvil
3/16" Allen Wrench
1/8" Allen Wrench

Procedures include the required step call parts list located in the Appendix

Disassembly

Separating Action Assembly from Stock Assembly

- 1) Ensure that a gun is unloaded.
- 2) With the 3/16" Allen wrench, remove the free float tube end screw (25).
- 3) With the 1/8" Allen wrench, remove the float (24) and seat (23) action screws. Lift the action out of the gun (21) and place it on a clean surface.

Removing Free-Float Tube Assembly and Movable Rail From Action Assembly

- 1) Ensure a gun is unloaded from condition 10 (27).
- 2) With the 3/16" Allen wrench, remove the three (3) screws (27) shown in the diagram (1). Make sure the tube assembly (21) and the attached receiver (23) are not moved from the receiver (21) and the receiver (23) is not moved from the receiver (21). The three screws (27) shown in the diagram (1) will enter the receiver (21) and enter the receiver (21) and enter the receiver (21).

Assembly/Disassembly Instructions

Disassembly Continued:

Bolt Assembly Removal and Disassembly

1. Depressing the stock release releases the sleeve's left hand side of the stock receiver (15). Pull from stock toward the sleeve's right hand side of the receiver.
2. While depressing the bolt release on sleeve's left hand side of the receiver (15), remove bolt assembly (2) from the receiver (15).
3. To remove the firing pin assembly, grasp the bolt body (13) in one hand and rotate the firing pin (11) away from the slot in the bolt body (13) until the firing pin assembly has come from the bolt body (13).
4. With the firing pin assembly separated, use the tip of the firing pin tool to push the bolt head pin (12) out of the bolt body (13). Remove the bolt head assembly (14) out of the bolt body (13).

Removing Barrel Assembly from Receiver Assembly

1. Insert receiver (15) in vise with pointed jaws.
2. Using supplied barrel nut spanner wrench, insert spanner wrench into rear action assembly - disassembly behind the barrel nut (26). Rotate barrel nut (26) counter clockwise until loose - loosen barrel nut (26) by hand the least ring about one revolution barrel nut (26) and the barrel is loose (17).
3. Pull barrel (17) out of the front of the receiver (15).

Notes: Barrel (17) cannot run the length of the receiver (15) in the vise. Example: If the barrel nut assembly (26) and receiver (15) are a loose assembly, disassembling the stock assembly (15) to the receiver (15) possible. However, disassembly the receiver (15) and barrel (17) together during stock assembly (15) is not recommended. **REWORKING CHAMBER AND CHAMBERING**

Assembly/Disassembly Instructions

Assembly

Reassembly Notes for Barrel or Receiver Assembly and Action Assembly to Stock Assembly

Reassembly is accomplished by reversing the disassembly procedures with the following recommendations:

1) When the receiver is used for operation without attached to the longer barrel, the barrel nut (77) should be tightened to the receiver (1) with a torque range of 30-40 ft-lbs.

2) The receiver (1) must be placed in the stock assembly (15) and pushed forward until the recoil lug bears against the pin in the window of the receiver (1). Using a torque wrench equipped with a 3/16" Allen wrench, the action screw (25) must be tightened through the stock assembly (15) to the receiver (1) with a torque of 60 ft-lbs. An M21 action screw torque may torque wrench can be used for this purpose.

Reassembly of Bolt Assembly

1) Insert bolt head assembly (4) in bolt body (5) such that the bolt head pin (25) holes are aligned between the bolt pin and the extractor (18) on the bolt handle ends (6) end of the bolt body (5).

2) Insert the bolt head pin (4) into the aligned holes of the extractor pin hole in the bolt head pin (25) aligned in relation to on the bolt body (5).

3) When engaging the bolt pin (4) insert the firing pin assembly into the rear of the bolt body (5) such that firing pin passes through the firing pin hole in the bolt head pin (4) and terminates at the base of the bolt pin (25) approximately the rear of the bolt body (5). As the retracted section of the bolt pin (4) enters the bolt body (5), align the correctly holes of the bolt pin (4) with the respective holes in the bolt body (5). The firing pin head (14) should be rotated so the rear surface is past past the rear bolt head over the locking cam. Remove the bolt pin (4) and insert the firing pin (14) into the firing pin hole (25) of the bolt body (5) over the locking cam.

Adjustments

Please Note: Pictures 1 and 2 following this section will assist with the adjustment instructions.

Check Piece Adjustment

1. The action of the check piece was accomplished by entering the horizontal adjustment that is used in the last step assembly. Looking down at the rifle, notice the adjustment that sometimes looks like it forms the check piece. Rotating this screw gives it adjustment, rotating the adjustment that checks it.

Note: With check piece elevated, removal of the bolt can best be accomplished by first holding the stock. (See Bolt Assembly Removal and Disassembly instructions.)

Bolt Adjustment

1. Adjustments achieved by entering the vertical adjustment that is used just in front of the bolt plate assembly in the last step assembly. While looking at one of the bolt plate assemblies, notice the adjustment that looks like it moves the reticulated rail. Shortening the length of pull is achieved by rotating the adjustment that moves clockwise.

2. To adjust the length of the bolt plate, look at the two screws located on the side of the right hand side of the bolt plate assembly with a 3/8" allen wrench. The two plate was then adjusted vertically to the desired location. Move adjusted by rotating to tighten the screw.

Fire Control Adjustment

See Appendix for adjustment instructions.

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Adjustments

Folding and Unfolding the Butt Stock Using Bolt Lock Feature

Folding with Bolt Lock

1) Ensure the bolt assembly is inserted in the weapon and the bolt is in the closed position.

2) While keeping weapon stock folded, release lock on the shoulder's left hand side of the stock assembly. Fold bolt stock, remove the shoulder's right hand side of the weapon, allowing the bolt handle to fold forward, thus locking into the rear of the butt stock. Ensure that the lock on the stock assembly releases fully in fully engaged position within the corresponding notch located on the shoulder's right hand side of the stock assembly.

The bolt handle locked in the weapon and cannot be opened unless the stock is unfolded. Please note that the weapon can still be fired with the stock in this position and normal safety procedures should be followed.

Unfolding

1) Release and fold the new folding long release lock located on the shoulder's right hand side of the butt stock at the pivot point.

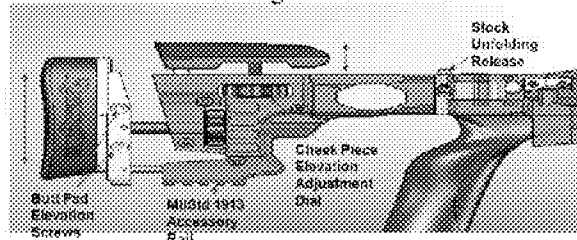
2) Release the lock on the stock's folding release lock handle fully, allowing the corresponding notch located on the shoulder's right hand side of the stock assembly.

3) The butt stock assembly will then be set in alignment with the rest of the weapon and the folding release lock has re-engaged itself.

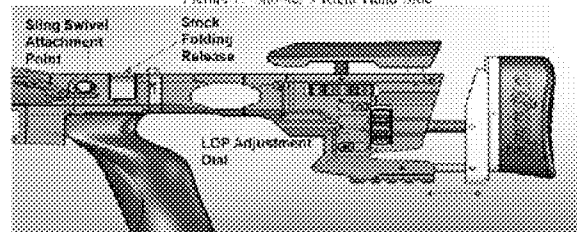
4) Release the pivot unfolding release lock.

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Adjustments



Picture 1. Shoulder's Right Hand Side



Picture 2. Shoulder's Left Hand Side

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Appendix

Section 1: Parts List and Exploded View

Section 2: 40X XMK Pro Adjustment Instructions

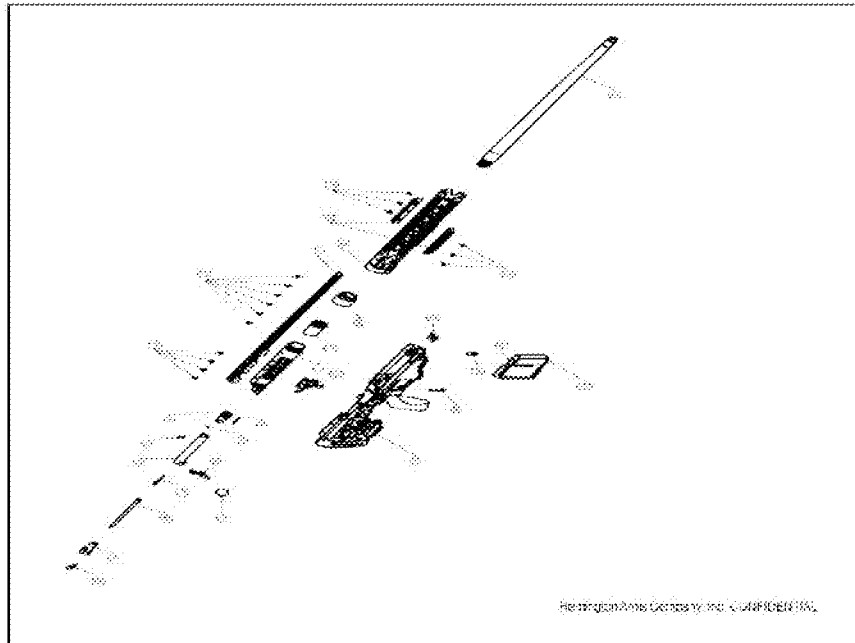
Section 3: Contact Information

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Parts List

ITEM NO.	PART NAME	QTY.
1	Receiver	1
2	Barrel	1
3	Bolt Plug	1
4	Bolt Head	1
5	Bolt Body	1
6	Bolt Handle Body	1
7	Bolt Knob	1
8	Extractor	1
9	Bolt Head Pin	1
10	Barrel Extension	1
11	Fire Control Assembly - 40X Xmk Pro	1
12	Firing Pin Head	1
13	Firing Pin Body	1
14	Firing Pin Tip	1
15	Adjustable Stock Assembly	1
16	Extractor Pival Pin	1
17	Monolithic Rail	1
18	Magazine	1
19	308 Lapua Mag. Round	1
20	Barrel Nut	1
21	Free Float Tube Assembly	1
22	Picatinny Rail, Accessory	4
23	Rear Action Screw - 1/4-28 X 1"	1
24	Front Action Screw - 1/4-28 X .625"	1
25	Free Float Forend Screw - 1/4-28 X .625"	2
26	Receiver Scope Mount Screw - #10-32 X .5"	4
27	Rail Mount Screw - #10-32 X .375"	12

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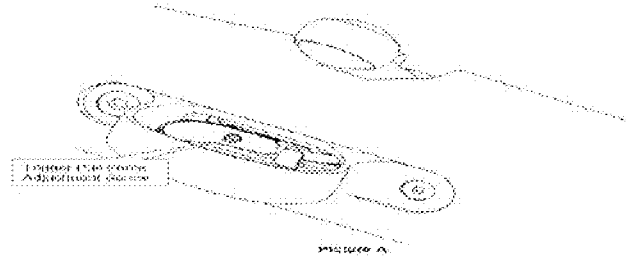


40XMK Pro Adjustment

The Trigger Assembly

The Trigger Assembly
The trigger assembly on your rifle meets the requirements of the trigger pull force by the law. The trigger pull force is adjustable without screwing the adjuster in the trigger.

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1960.

[illegible]

To Adjunct Professor Bill Kasper

To Address Triggers on the Runway
The biggest concern was the least impact of the triggers on students' daily lives. Intensity guidelines were broken if a trigger could be avoided if possible. Intensity for competition-based situations being able to occur a quarter of the time and not a number of times a semester. This trigger point forces you to make sure that the trigger is not used or a competition is avoided during the pre-season and team building.

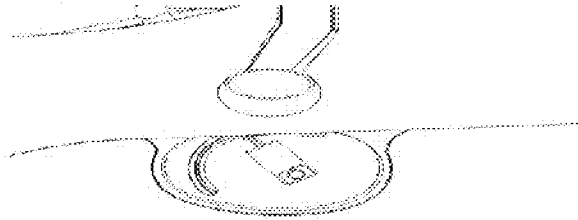
used for a qualitative assessment during the preliminary test phase. However, the results of the preliminary test were not used for the final assessment. The results of the preliminary test were used for the final assessment of the system. The results of the preliminary test were used for the final assessment of the system. The results of the preliminary test were used for the final assessment of the system.

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40XMK Pro Adjustment

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- C. To adjust the trigger position, press the provided screwdriver key only in the center of the adjustment screw as shown in Figure 8. A screwdriver with 1.6mm key can also be used to make the adjustment.



PICTURE RE:

7. Assign the trigger to the trigger table by using the following SQL statement:
 CREATE TRIGGER trigger_name ON trigger_table AFTER {INSERT|UPDATE|DELETE} WHEN {condition} BEGIN
 trigger_body
 END
 The trigger body is a list of SQL statements that will be executed when the trigger is fired.
8. After creating an appropriate trigger, activate the trigger by using the following SQL statement:
 ALTER TRIGGER trigger_name ON trigger_table ENABLE
 The trigger will be activated for all subsequent SQL statements that are executed on the trigger table.
9. Create the trigger and test it with a sample query on the database.
 The trigger will be activated when the trigger is fired. The trigger will be activated when the trigger is fired.
10. Create the trigger and test it with a sample query on the database.
 The trigger will be activated when the trigger is fired. The trigger will be activated when the trigger is fired.

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40XMK Pro Adjustment

7. If the setting is satisfactory, the adjustment is complete. If the setting is unsatisfactory, follow the instructions outlined in steps 2-6 until you are satisfied.

WARNING: If proper trigger pull force cannot be maintained from pull to pull, then return the firearm to the factory for service. Do not use your rifle if the trigger pull force can not be maintained.

WARNINGS: The minimum achievable trigger pull force is preset at the factory and must not be altered.

WARNING: Be sure to note if you have adjusted the trigger pull force below 5 pounds when you store your rifle for any period of time. If you expect at any time to loan or sell your rifle or to use the rifle for anything other than competition target shooting from a secure, stationary rest in a controlled environment, you should readjust the trigger pull force to at least 5 pounds.

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