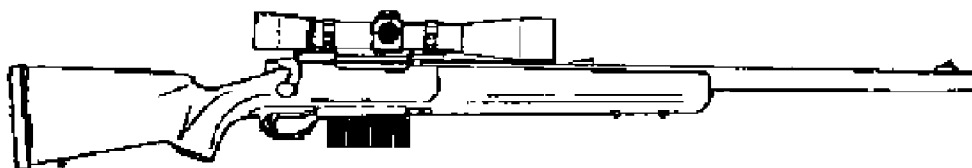


**OPERATOR'S MANUAL  
7.62MM MODEL 700P EXPORT  
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**DESTRUCTION NOTICE** – For unclassified, limited documents,  
destroy by any method that will prevent disclosure of contents or  
reconstruction of the document.

**WARNINGS**

- Always handle this rifle as if it were loaded and ready to fire. Keep it pointed in a safe direction, down range or towards the impact area.
- Keep the safety ON (to the rear in the "S" position) until you are ready to fire.
- Always look into chamber before cleaning weapon to visually determine it is unloaded.
- Check bore and chamber for obstruction before loading and attempting to fire.
- Be sure you have the proper ammunition for the rifle (7.62mm, .308 Win., M118 Special Ball).
- A hazardous condition may occur if parts or components are interchanged between rifles. Some interchanging may effect zeroing and/or accuracy of the weapon.
- Hearing damage may occur unless proper hearing protection is worn when firing the system.
- Always observe the warnings in this manual, as they can save your life!

**OPERATOR'S MANUAL  
7.62MM MODEL 700P EXPORT  
REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Submit your comments through the internet to the internet address is [www.remingtonmilitary.com](http://www.remingtonmilitary.com)

**OPERATOR'S MANUAL  
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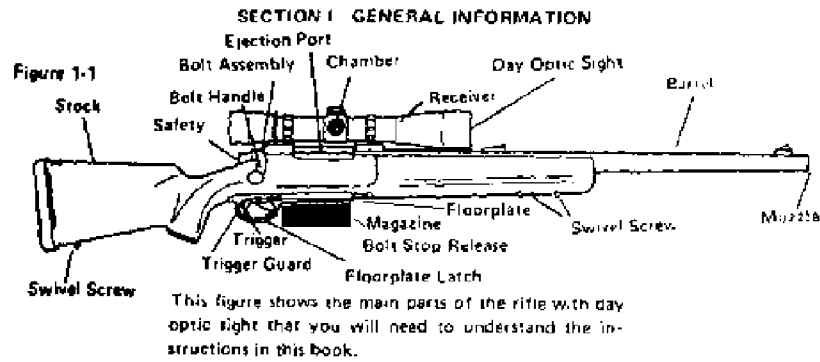
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Figure 1-1

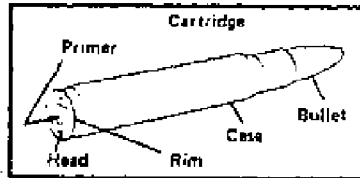
Figure 1-2

# CHAPTER 1 INTRODUCTION



**Figure 1-2  
AMMUNITION**

This figure shows the parts of the ammunition.



### 1-1. S C O P E

This manual contains instructions for the operation and maintenance of the 700P Export. This manual is published for the purpose of identifying an authorized commercial manual for the use of the personnel to whom this equipment is issued.

All maintenance for the 700P Export is operator level. Any deficiencies that occur which the operator cannot correct will require the weapon and day optic sight be turned in to the proper maintenance/supply channel for return to the contractor. (See Chapter 3, Section IV, Turn-In Procedures for Contractor Repair of 700P EXPORT.)

### 1-2. MAINTENANCE FORMS AND RECORDS

Forms and procedures used for equipment maintenance will be those prescribed by your unit/organization.

### 1-3. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS

If your Sniper Weapon System needs improvement, let us know. Send us an email. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance.

### 1-4. NOMENCLATURE CROSS REFERENCE LIST

The nomenclatures are to be considered interchangeable wherever used throughout the manual.

<u>Common</u>	<u>Official</u>
Day Optic Sight Scope	Day Optic Sight
Dust Cover	Dust Cover,
Rear Soft Rifle Carrying Case	Case, Carrying, Weapon

### 1-5. DESTRUCTION OF MATERIEL TO PREVENT ENEMY USE.

Only your commanding officer can give the order to destroy material to prevent enemy use.

### 1-6. NUCLEAR BIOLOGICAL AND CHEMICAL (N B C) DECONTAMINATION

General procedures can be found at your unit NBC representative.

1 - 3

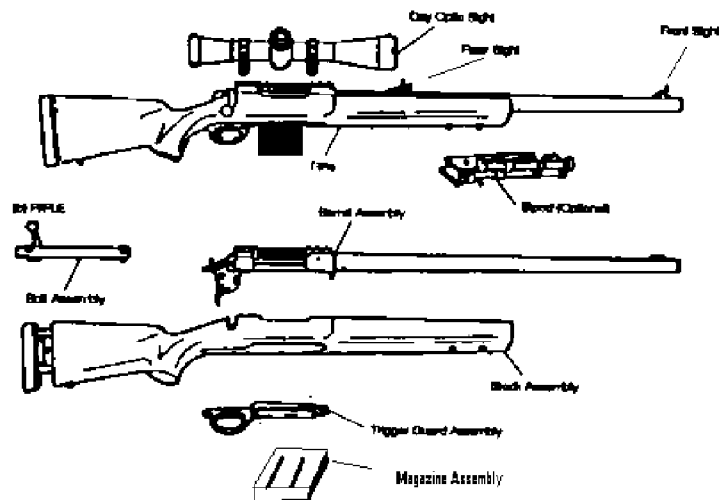
**SECTION II: EQUIPMENT DESCRIPTION**

**1-7. TECHNICAL SPECIFICATIONS:**

- Ammunition - 7.62mm, 308 Win., M118 Special Ball, M118 Long Range
- Barrel rifling - 5 radial with 1 turn in 1.10 inches
- Muzzle velocity - Approx. 2,600 feet per second
- Maximum effective range - 800 meters
- Overall length (butt to muzzle) - 43 inches
- Magazine capacity - 5 rounds
- Rifle weight with sling - 12 lbs. nominal
- Day optic sight magnification – 4-14X power with adjustable focus
- Day optic sight weight with rings - 1.75 lbs. nominal
- Combat weight (rifle with sling, day optic sight, and full magazine) -14 lbs.
- Deployment kit with case:
- Weight - 3.5 lbs.
- Dimensions - 51" x 7" x 3 1/4"
- 700P Export System:
- Bipod weight - .7 lbs. nominal

## 1-8. RIFLE AND SIGHTING COMPONENTS

### (a) MAJOR ASSEMBLIES

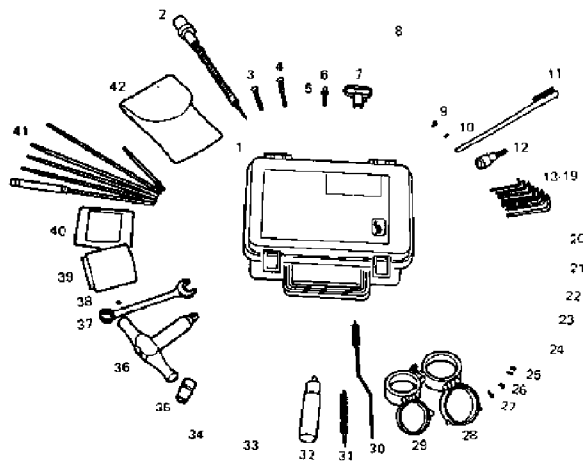


1-5

1 - 6

DEPLOYMENT KIT

1. Deployment Case
2. Firing Pin Assembly
3. Front Guard Screw
4. Rear Guard Screw
5. NOT USED
6. Swivel Screw
7. Swivel, Sling
8. NOT USED
9. Rear Sight Base Screw
10. NOT USED
11. Brush, Cleaning Small
12. Drive Hex Bit 5/32"
13. .050" Key, Socket Head Screw
14. 1/16" Key, Socket Head Screw
15. 5/64" Key, Socket Head Screw
16. 3/32" Key, Socket Head Screw
17. 7/64" Key, Socket Head Screw
18. 1/8" Key, Socket Head Screw
19. 5/32" Key, Socket Head Screw
20. NOT USED
21. NOT USED
22. NOT USED
23. NOT USED
24. NOT USED
25. Day Optic Sight Ring Screws
26. Day Optic Sight Base Screw Front
27. Day Optic Sight Base Screw Rear
28. Day Optic Sight Dust Cover, Front
29. Day Optic Sight Dust Cover Rear
30. Brush, Chamber
31. Brush, Bore
32. Oil Bottle
33. Magazine Spring
34. Magazine Follower
35. Socket, Socket Wrench 1/2"
36. T-Handle Torque Wrench
37. Wrench, Box and Open 1/2"
38. Rear Sight Base Plug Screw
39. Day Optic Sight Sunshade
40. Swabs, Cleaning, Small Arms
41. Cleaning Rod Kit
42. Lens Cleaning Kit





**CHAPTER 2  
OPERATING INSTRUCTIONS  
SECTION I. DESCRIPTION**

**2-1. DESCRIPTION :**

The 700P Export rifle is a 7.62mm bolt action, magazine fed 6-shot repeating rifle.

**2-2. THE SYSTEM.** The system consists of the rifle, day optic sight, metallic (iron) sights, bipod, deployment kit, cleaning kit (rifle and optic), soft rifle carrying case, system case, and operators manual.

**2-3. OPERATING FLEXIBILITIES** - This is a bolt action 6-shot repeating rifle. The day optic sight can be removed and replaced easily, and with less than 1/2 minute of Angle (MOA) change in zero. However it is recommended that the day optic sight be left on the rifle. Metallic (iron) sights are provided for a back-up sighting system.

**SECTION II: SERVICE UPON RECEIPT OF MATERIEL**

**W A R N I N G**

**Before starting an inspection, and/or performing any maintenance procedures, be sure to clear the rifle. Do not squeeze the trigger until the rifle has been cleared. Inspect the chamber to be sure that it is empty. Check to see that there are no obstructions in the barrel. Do not keep live ammunition near work/maintenance area.**

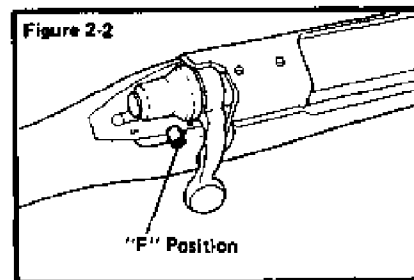
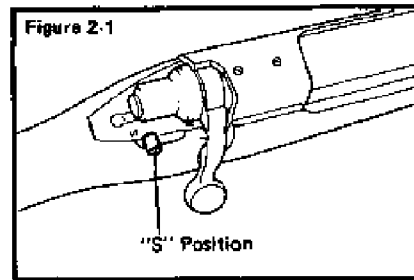
**2 - 4 SERVICE UPON RECEIPT**

1. Check system case for damage. Inspect the equipment for damage incurred during shipment.
2. If the equipment has been damaged, report the damage to your supply system.
3. Inspect contents of system case against Weapon system parts list (see Appendix C).
4. Report all discrepancies in accordance with your unit's instructions.
5. Field strip rifle and ensure there are no missing parts (see para 3-4 and 1-8).
6. Clean rifle. After cleaning, inspect bore to ensure that there are no obstructions; i.e., cleaning tips, cleaning patches remaining in the bore (see para 2-11 and 3-5).
7. Inspect stock.
8. Attach day optic sight to rifle and perform safety/function checks (see para 2-13 and 3-7).
9. Check zero of rifle with day optic sight (see para 2-22).
10. Clean weapon (see para 3-5)
11. Weapon is ready for service.
12. If any deficiencies are found, contract your supply system.

### SECTION III: OPERATIONS AND CHARACTERISTICS

#### 2 - 5 THE SAFETY

1. The safety is located on the right rear side of the receiver and provides protection against accidental or unintentional discharge under normal usage when properly engaged.
2. To engage the safety, put the safety in the "S" position see Figure 2-1 ).
3. Always put the safety in the "S" Position before handling, loading, or unloading the rifle.
4. When you are ready to fire the rifle and the sights are on target, put the safety in the "F" position (see Figure 2-2).



## 2-6 THE BOLT ASSEMBLY

The bolt assembly locks the cartridge into the chamber.

## 2 - 7 CLEARING PROCEDURES

1. Place weapon on safe ("S").

### WARNING

If weapon does not go on safe ("S") perform the following steps with extra caution.

2. Lift bolt handle fully and pull to the rear; (Place weapon on safe if unable to in Step 1)
3. Inspect chamber for round.
4. Inspect magazine for a round. (If a round is in the magazine, then press floorplate latch and drop round out of magazine see figure 2-3).
5. Close floorplate, weapon is clear.

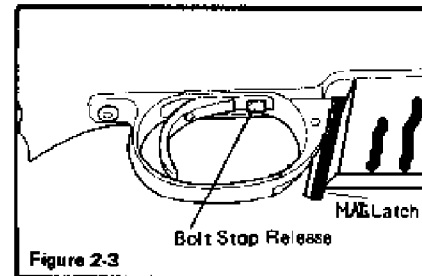


Figure 2-3

## TO REMOVE BOLT ASSEMBLY

Perform the clearing procedures.

1. Push the bolt stop release up (see Figure 2-3).
2. As you push the bolt stop release, slide the bolt assembly from the rifle (see 5 Figure 2-4).

## TO INSTALL THE BOLT ASSEMBLY

1. Point the rifle in a safe direction.
2. Put the safety in the "S" position.

### NOTE

**Bolt must be cocked to be reinstalled. See instructions para 3-6.**

3. Align the lugs on the bolt assembly with the receiver (see Figure 2-4).
4. Slide the bolt assembly into the receiver and push all the way in.
5. To lock the bolt assembly into position, push the bolt handle down so that locking lugs on the bolt are locked into the receiver.

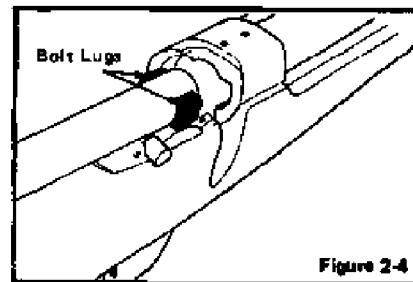


Figure 2-4

## 2-9 NOT USED

## 2-10 THE TRIGGER ASSEMBLY

Pulling the trigger fires the rifle when the safety is in the "F" position.

The trigger is adjusted at the factory for a 3.5 lbs. nominal trigger pull force.

### WARNING

Never remove the trigger mechanism, or make adjustments to the trigger assembly.

**2-11 THE BARREL**

To check the inside of the barrel:

- Perform the clearing procedures (see para 2-7).
- Remove the bolt assembly (instructions on para 2-8).
- Look through the inside of the barrel from the chamber and to the muzzle.

To remove an object from inside the barrel: (dirt, residue from cleaning patch, etc.)

- Use the cleaning rod.
- Push the cleaning rod from the chamber end all the way through the barrel until the rod comes out the muzzle.
- Clean the barrel (following instructions para 3-5).

**2-12 NOT USED****2-13 HOW TO MOUNT THE DAY OPTIC SIGHT****WARNING**

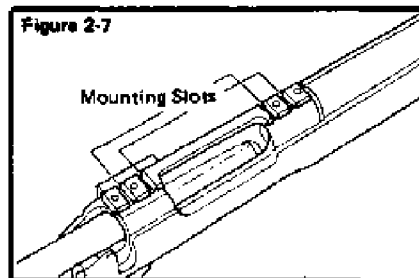
Be sure the mounting base is fastened securely to the rifle. Loose mounting may cause the day optic sight and base mount assembly to come off the rifle when firing, possibly injuring the shooter.

1. Before mounting the day optic sight, lubricate the threads of each mounting nut.
2. Insure smooth movement of each mounting nut and mount claw.
3. Inspect for burrs and foreign matter between each mounting ring nut and mount claw.
4. Burrs or foreign matter must be removed prior to mounting. Inspect the claw to ensure it is not bent and will bear correctly on the mount.
5. Mount the day optic sight and rings to the base (see Figures 2-7 and 2-8).

**NOTE**

There are two (2) sets of mounting slots. Select the set of slots which provide the proper eye relief, once a set of slots is chosen, the same set should always be used in order for the system to retain zero.

6. Ensure mounting surface of base is free of dirt, oil or grease.
7. Set each ring bolt spline in the selected slot (see Figure 2-7).
8. Slide the rear mount claw against the base. Finger tighten the mounting ring nut.
9. Slide the front mount claw against the base. Finger tighten the mounting ring nut.

**CAUTION**

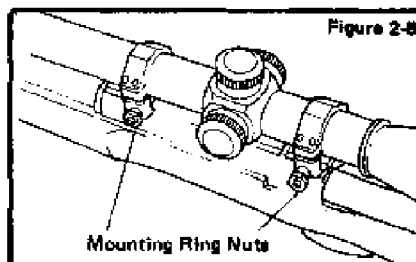
Steps 10 and 11, should be performed only when the day optic sight is attached/reattached over an extended period (more than 50 cycles) and rezeroing of the system cannot be accomplished through live firing. Otherwise use the T-handle torque wrench as described in steps 12 through 14.

10. Utilizing the 1/2" combination wrench, tighten the rear mounting ring nut 1/4 turn (i. e. rotate 90 degrees).
11. Utilizing the 1/2" combination wrench, tighten the front mounting ring nut 1/4 turn (i. e. rotate 90 degrees).

**CAUTION**

Be sure that T-handle torque wrench has been certified/re-calibrated.

12. Using the T-handle torque wrench, which is preset to 65 in. lb., tighten the rear mounting ring nut.
13. Using the T-handle torque wrench, tighten the front mounting ring.
14. After initial 10 rounds have been fired, re-torque the rear then the front mounting ring nut.



**2-14 DISASSEMBLY**

1. Utilizing the 1/2" combination wrench, loosen the front mounting ring nut (rotate counterclockwise).
2. Utilizing the 1/2" combination wrench, loosen the rear mounting ring nut (rotate counterclockwise).
3. Rotate the day optic sight towards nuts.
4. Remove day optic sight.

**SECTION IV. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)**  
**2-15 G E N E R A L**

**W A R N I N G**

**Before starting an inspection procedure clear the weapon. Inspect the chamber and magazine to ensure that they are empty. Do not keep live ammunition near work/maintenance.**

If your equipment fails to operate; refer to troubleshooting in Chapter 3. Report any deficiencies using the proper forms.

**2-16 PMCS PROCEDURES**

The PMCS lists those required checks and services to be performed by personnel who operated the 700P Export before and after use.

1. **Before Operation.** Perform your before (B) PMCS. This is a brief service to ensure the 700P EXPORT is ready for operation.
2. **During Operation.** Not Applicable.
3. **After Operation.** Perform your after (A) PMCS. This service should correct, where possible, all operational deficiencies so the 700P EXPORT will be ready to operate when needed.
4. **Not Ready/Available If Column.** The PMCS table also lists those deficiencies which make the 700P EXPORT not ready/available. If these deficiencies are not correctable such deficiencies will require that the complete weapon system be turned in to the proper maintenance/supply channel for return to the contractor. (see Chapter 3, Section IV, Preparation For Shipment).

## PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) TABLE

B=Before Operation

D= During Operation

A=After Operation

Item No.	Interval			ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
	B	D	A		
1	●		●	<b>EQUIPMENT.</b> Check the Sniper Weapon System Parts List for completeness and serviceability (See Appendix C).	
2	●		●		
				<div>There are damaged or missing rifle components.</div>	

B=Before Operation

D= During Operation

A= After Operation

Item No.	Interval			ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
	B	D	A		
3			●	<b>CLEAN</b> the rifle and day optic sight as per cleaning instructions (See para 3-5).	
4	●		●	<b>ACTUATE SAFETY.</b> (Weapon must be cocked, see instructions in para 3-6).  a. Place safety in safe position ("S"), pull trigger. Firing pin head should not fall forward.  <div>Firing pin head falls forward.</div>  b. Place safety in the fire position ("F"), pull trigger. Firing pin head should fall forward. (A click should be heard).  <div>Firing pin head does not fall forward.</div>	

PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) TABLE

B=Before Operation			D=During Operation	A=After Operation	
Item No.	B	D	A	ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:
5	●		●	BOLT OPERATION. Grasp bolt handle, lift upward and slide bolt to the rear. Operation should be smooth.	
				<u>If operation is not smooth.</u>	←
6			●	MAGAZINE FLOORPLATE. Push the floorplate latch to release the floorplate. Open floorplate fully. Magazine spring and follower should release from the magazine (See para 2-18).	
				<u>If magazine spring and follower do not release.</u>	←
7	●		●	DAY OPTIC SIGHT SYSTEM. Sight through the day optic sight; inspect for visual obstruction of target image, dust, dirt, pits or moisture on optical surfaces, loose or broken optical elements.	
				<u>These conditions are present and cannot be corrected through cleaning procedures.</u>	←

B=Before Operation			D=During Operation			A=After Operation		
Item No.	Interval			ITEM TO BE INSPECTED Procedure	Equipment is NOT READY/AVAILABLE IF:			
	B	D	A					
8	●		●	DAY OPTIC SIGHT W/MOUNT. (See para 2-13).				
				a. Check for damaged, loose or missing parts.				
				b. Check to ensure that day optic sight is securely mounted to mating split rings, and reticle is vertical.				
				<u>Day optic sight is loose or reticle is not vertical.</u> ←				
				c. Ensure that day optic sight dust covers are installed.				
				d. Dust and clean exposed optical surfaces. (See para 3-5).				
9	●		●	SAFETY/FUNCTION CHECK. Perform safety/function check as shown in para 3-7.				
				<u>The rifle fails safety/function checks.</u> ←				

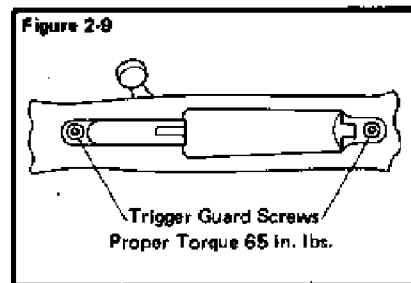


## 2 - 1 7 INSPECTION

### NOTE

This rifle should be inspected before and after firing by the operator.

1. Check to ensure the bore and chamber are clean and free of dirt or other objects (see para 2-11 and 3-5).
2. Check guard screws for proper torque of 65 in. lbs. using T-handle torque wrench (see Figure 2-9).
3. Check day optic sight mounting nuts for proper torque of 65 in. lbs. (see Figure 2-10).



## 2 - 1 8 TO REMOVE MAGAZINE, SPRING AND MAGAZINE FOLLOWER

1. Push the magazine latch to release the magazine.
2. Remove the magazine.
3. Insert cleaning rod slotted tip between spring leaf attached to floorplate.
4. Lift and pull magazine spring and follower assembly toward rear of floorplate.
5. Separate magazine spring from magazine follower.

## 2-19 TO ASSEMBLE MAGAZINE SPRING AND MAGAZINE FOLLOWER

- a. Compress magazine spring to determine longest magazine spring leg.
- b. Insert longest magazine spring leg under tabs on magazine follower and slide forward until leg snaps into position. Ensure leg is seated under the magazine follower tabs (see Figure 2-13).
- c. Align short magazine spring leg with tabs on floorplate (see Figure 2-14). Slide magazine spring and follower assembly into floorplate until assembly snaps into position.

## SECTION V. OPERATION UNDER USUAL CONDITIONS

### WARNING

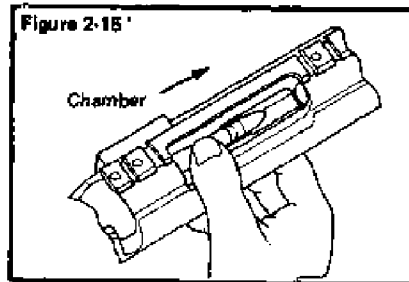
Always keep your finger away from the trigger unless you intend to fire. Make sure the rifle is not already loaded by inspecting the magazine and chamber.

### TO LOAD THE RIFLE

### WARNING

Always use authorized ammunition and check condition before loading the rifle.

1. Point the rifle in a safe direction.
2. Put the safety in the "S" position.
3. Raise the bolt handle.
4. Pull the bolt handle all the way back.
5. Remove the magazine.
6. Push five (5) cartridges of the authorized ammunition, one at a time, into the magazine. Keep bullets aligned toward the chamber. (see Figure 2-15).



### NOTE

To ensure proper functioning, cartridges should be set fully rearward in magazine.

7. Insert the magazine into the magazine well.
8. Push the bolt forward, pushing one cartridge into the chamber.
9. Push the bolt handle down.

### THE RIFLE IS NOW LOADED

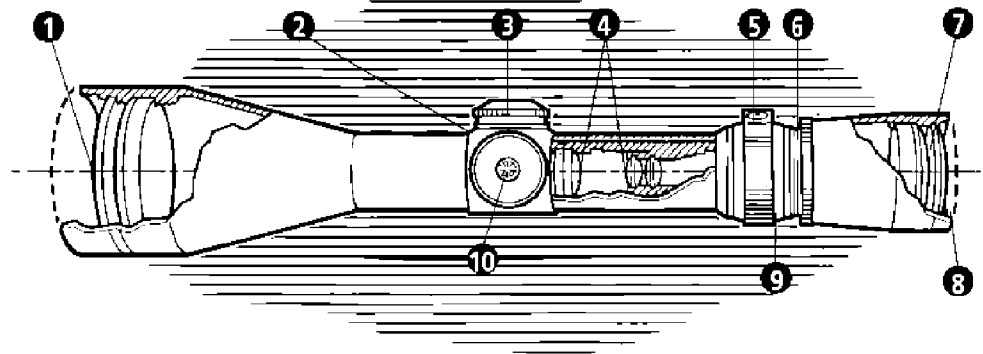
1. Before firing the rifle, put the safety in the "F" position.
2. THE RIFLE IS READY TO FIRE
3. Squeezing the trigger will fire the rifle.

### TO UNLOAD THE RIFLE

1. Point the muzzle in a safe direction.
2. Make sure the safety is in the "S" position.
3. Remove the magazine by depressing the magazine release.
4. Raise the bolt handle.
5. Put one hand over the top ejection port.
6. Slowly pull the bolt handle back with your other hand to remove the cartridge from the cartridge from the rifle.

## 2-22 THE DAY OPTIC SIGHT

## PARTS OF THE SCOPE



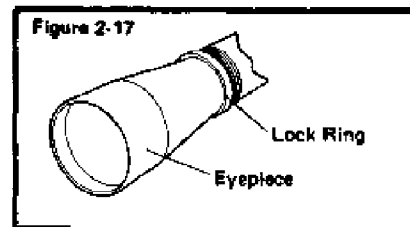
- |  |                             |
|--|-----------------------------|
| 1 Objective Lens                                 | 6 Eyepiece Lock Ring        |
| 2 Windage Adjustment<br>(opposite side of scope) | 7 Ocular Lens               |
| 3 Elevation Adjustment                           | 8 Eyepiece Assembly         |
| 4 Erector Lenses                                 | 9 Reticle Housing           |
| 5 Power Selector Ring                            | 10 Side Parallax Adjustment |

## a. FOCUSING THE EYEPIECE

## NOTE

Focusing the eye piece should be done after mounting the day optic sight. Note: Focusing the ocular end of the day optic (eyepiece) is correcting the scope for the operators vision within the optic, you are focusing on the RETICLE within the scope NOT THE TARGET!

1. Unscrew the eyepiece to back it away from the lock ring. (See Figure 2-17). Do NOT attempt to loosen the lock ring first; it will automatically be loose when YOU back away the eyepiece (no tools are needed).
2. Decide whether to screw out the eyepiece or to screw in the eyepiece. Make your decision based upon this logic: If you tend to hold things away from yourself in order to see them clearer (or did before you wore glasses), perform Step 3 by unscrewing the eyepiece. If you tend to hold things closer to your eyes in order to see them clearer (or did before you wore glasses), perform Step 3 by screwing in the eyepiece. If it is determined that the eyepiece must be turned in, be sure to turn the lock ring in prior to the eyepiece being turned in.

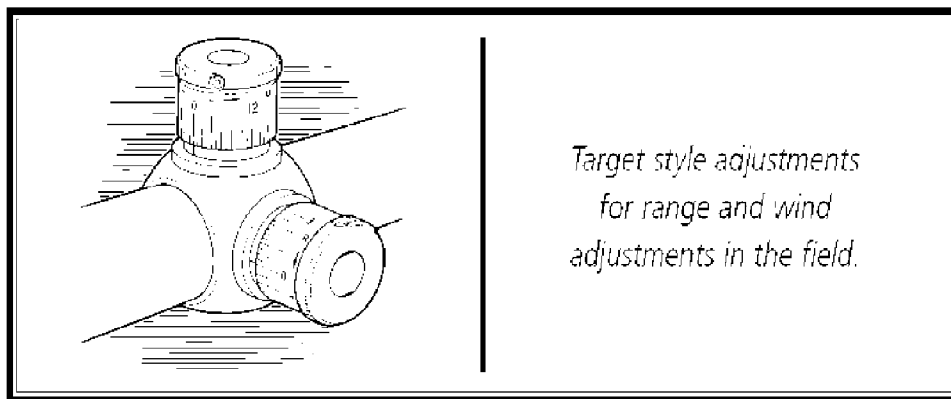


3. Turn the eyepiece several turns so as to move it at least one/eighth of an inch. It will take this much change to achieve any measurable effect on the focus.
4. Look through the day optic sight at the sky or a blank wall and check to see if the reticle appears sharp and crisp.
5. Repeat Steps 3 and 4 until focus is achieved. Then lock up the eyepiece by turning the lock ring to the eyepiece.

b. WINDAGE AND ELEVATION ADJUSTMENT PROCEDURE

### ADJUSTING WINDAGE AND ELEVATION ON TARGET AND TACTICAL SCOPES

Leupold Target, Competition, and most Tactical scopes have micrometer-style windage and elevation adjustments.



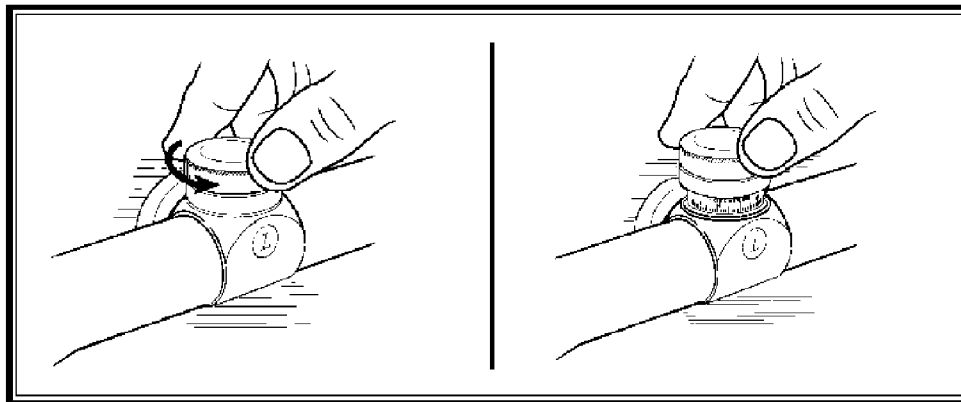
A click for each adjustment division can be both heard and felt so adjustments to the scope can be made without looking at the dials. Indicators on the micrometer portion of the dial show the number of complete 360° rotations that have been made.

## ZEROING THE WINDAGE AND ELEVATION DIALS AFTER SIGHTING IN

All Leupold scopes feature adjustment dials that can be repositioned to align the marked zero of the dial with the position indicator without changing the adjustment setting of the scope. This allows the shooter to know the original zero of the rifle in the event that further adjustments are made in the field.

To reposition the dials on VX-7 riflescopes:

1. Unscrew the adjustment cover until it "pops up," fully revealing the adjustment indication markings and set screws.
2. Loosen the set screws that surround the top of the dial portion.
3. Move the cylinder dial by hand to align the zero with the gold witness mark at the base of the cylinder.
4. Secure the set screws.

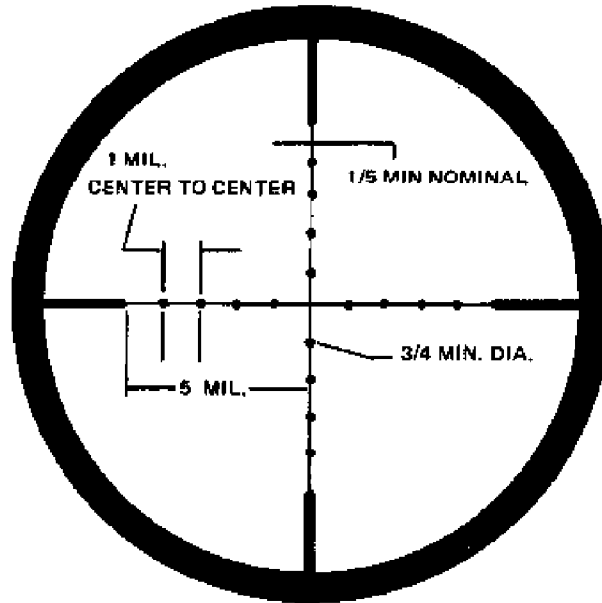


**\*\*NOTE:** Your optic may not have these covers; however setting the zero position is the same procedures.

## NOTE

Once the rifle has been zeroed at a specific range and the elevation dial set to this range, all other range markings should be considered approximate.

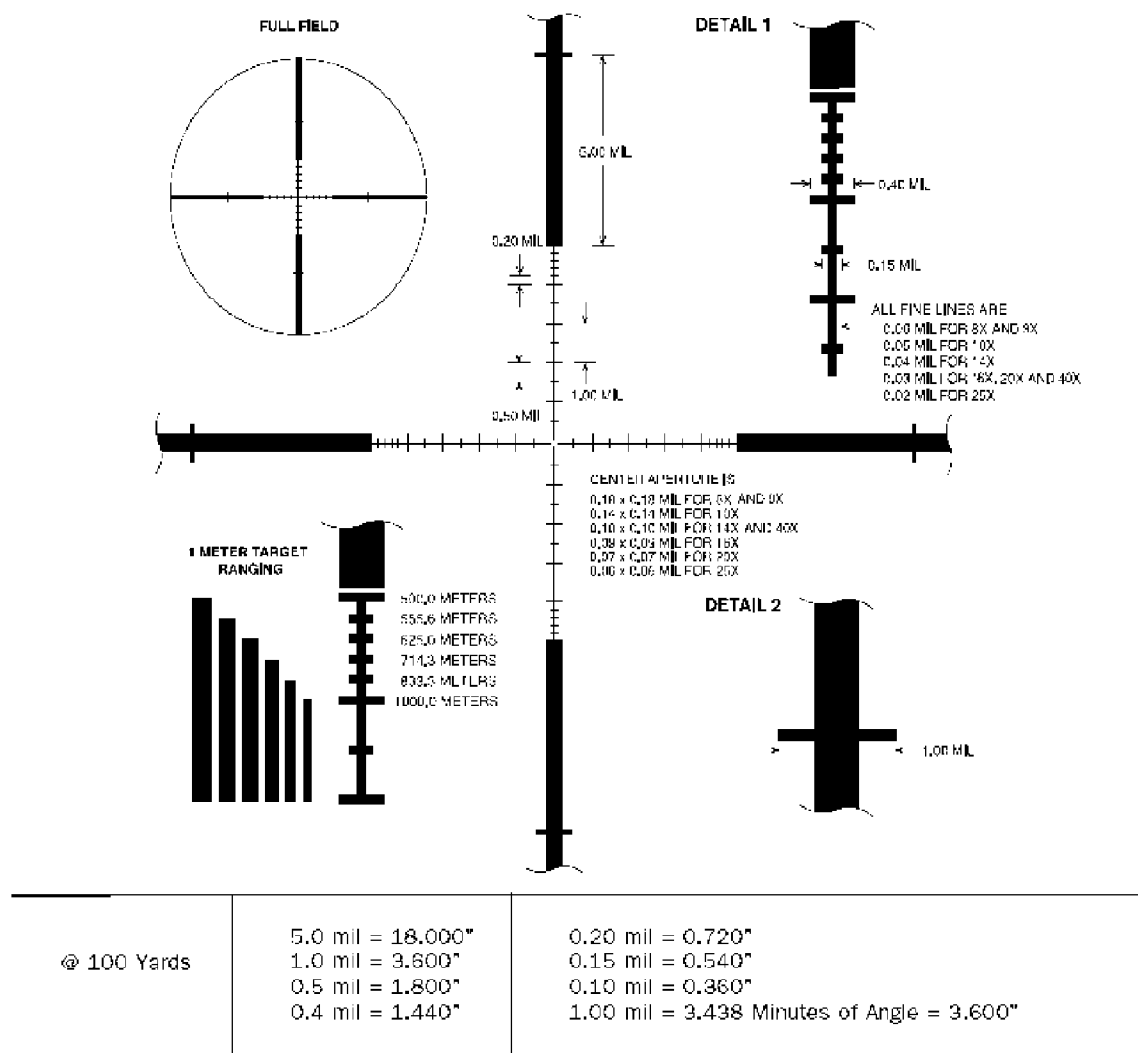
1. The Mil Dot Reticle is a duplex style reticle having thick outer sections and thin center sections. Superimposed on the thin center section of the reticles is a series of dots, (4 each side of the center and 4 above and below the center that are spaced 1 mil apart, and 1 mil from both the center and the start of the thick section of the reticle. This spacing allows the user to make very accurate estimates of target range, assuming there is an object of known size (estimate) in the field of view. For example, a human target could be assumed to be about 6' tall, which equals 1.83 meters, or at 500 meters, 3.65 dots high (nominally, about 3.5 dots high). Another example would be a 1 meter target at 1000 meters range would be the height between two dots or the width between two dots. Basically, given a good estimation of the objects size, it is possible to accurately determine the target range using the mil dot system.



2. Once the elevation dial is set to a selected range, other than that used to zero the weapon, minor adjustments may still be required to be precisely on target. Range markings other than that used to zero the weapon are approximate and should be used only as a guide.

The TMR reticle subtends exactly like all existing mildot reticles and generations thereof, but with far greater accuracy. Aside from mil hash marks, the reticle offers areas of .2 mil subdivisions to precisely measure the common one meter target quickly from 500 to 1000 meters and beyond. This has previously been the most difficult task in long range shooting, since this entire range lies in the span between one and two mils. The position of the .2 mil subdivisions are intentionally placed on the periphery of the fine crosshair in order to keep the central area clutter free. All existing mildot calculations and formula tools are compatible with the new Leupold TMR design.

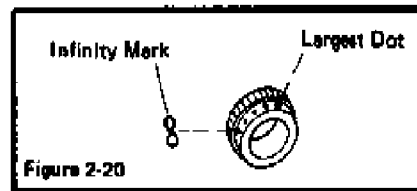
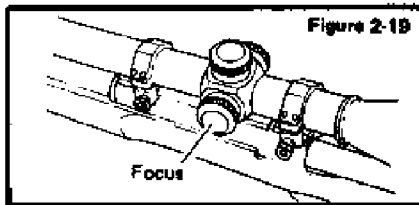
## TACTICAL MILLING RETICLE™ MEASUREMENTS



## c. FOCUS AKA PARALLEX ADJUSTMENT

## NOTE

The focus adjustment is the dial as viewed from the rear. (See Figure 2-19). It has limiting stops with the two extreme positions symbolized by the infinity mark and the largest dot (see Figure 2-20). The purpose of this adjustment is to keep the target in focus. If the target is close; the dial will be set at a position in the region of the largest dot (as referenced by the white line on the index sleeve).



2-23

## UNDERSTANDING PARALLAX

Parallax is the apparent movement of the target relative to the reticle when you move your eye away from the center point of the eyepiece. It occurs when the image of the target does not fall on the same optical plane as the reticle. This can cause a small shift in the point of aim.

Maximum parallax occurs when your eye is at the very edge of the exit pupil. At short distances, the parallax effect does not affect accuracy. (Using the same 4x scope at 100 yards, the maximum error is less than 2/10ths of an inch.) It is also good to remember that, as long as you are sighting straight through the middle of the scope, or close to it, parallax will have virtually no effect on accuracy.



## 2-23 METALLIC (IRON) SIGHTS

### ADJUSTMENTS OF METALLIC (IRON) SIGHTS

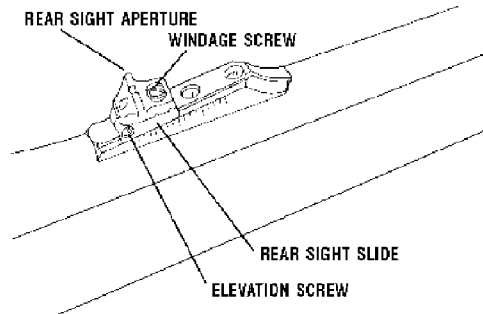
The rear sight allows for elevation (up and down) and windage (left and right) adjustments. To adjust the sights to move the strike of the bullet up and down;

1. Loosen the elevation screw and slide the rear sight up (to move the strike of the bullet down) or down (to move the strike of the bullet up).

To move the strike of the round left or right;

2. Loosen the windage screw, slide the rear sight aperture left to move the strike of the round left or right to move the strike of the round right.

NOTE: Prior to firing the rifle, ensure that the screws are tight as the recoil of the weapon will make the sight move if the screws are loose.



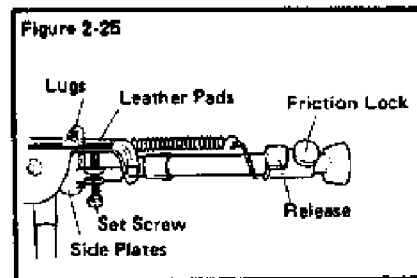
## 2-24 BIPOD (OPTIONAL ACCESSORY)

### a. BIPOD ATTACHMENT

#### NOTE

The bipod is always attached with the legs pointed toward the muzzle of the rifle.

- (1) While applying pressure to side plates, turn set screw counterclockwise until side plates protrude through the bipod base. (See Figure 2-25).
- (2) Squeeze set screw ends of side plates together and place lugs of side plates into holes in bipod mounting stud.
- (3) Position bipod mounting base against stock and turn set screw clockwise finger tight.
- (4) Using appropriate tool (slotted screw driver, 5/32" key, socket head screw, coin, etc. turn set screw clockwise 1/4 turn.
- (5) Remove in reverse order.



#### NOTE

Set screw should always be kept tight, check occasionally.

### b. BIPOD LEG ADJUSTMENT

- (1) Grasp bipod leg and pull downward away from barrel.
- (2) Turn friction lock counterclockwise (see figure 2-25). Grasp foot of bipod leg and pull out.
- (3) Turn friction lock clockwise until tight.
- (4) Repeat for other bipod leg.
- (5) Retract legs by turning friction lock counterclockwise to loosen.
- (6) Push in on release. Leg will retract. (See Figure 2-25).
- (7) Fold leg up.
- (8) Repeat for other bipod leg.

### c. BIPOD MAINTENANCE

Wipe steel parts occasionally with an oily rag. Do not use oil on leather pads on bipod base (See Figure 2-25).

**SECTION VI. OPERATION UNDER UNUSUAL CONDITIONS**

**CAUTION**

If extensive corrosion is found and cleaning does not solve the problem, turn the complete weapon system in to the proper maintenance/supply channel or return to the contractor.

(See Chapter 3, Section IV, Preparation For Shipment).

**NOTE**

Unusual conditions are defined as any condition requiring special maintenance of the rifle. Perform the maintenance outlined for the climate that most applies to your operational area. Refer to page 3-1 for lubrication instructions.

**2-25 EXTREME COLD**

a. When operating rifle in extremely cold climates, clean and lubricate the rifle inside at room temperature, if possible.

**CAUTION**

When operating in climates where the temperature is below -25 degrees Fahrenheit, the firing pin assembly should be stripped of all lubrication.

- b. Apply a light coat of Lubricant Arctic Weapon (LAW) to all functional parts.
- c. To prevent freezing, keep the rifle covered when moving from a warm to a cold area. This will allow gradual cooling.
- d. Always keep the rifle dry.
- e. Keep ammunition dry; moisture will cause malfunctions. Do not lubricate the ammunition.
- f. Always keep snow out of the bore of the barrel. If snow should get into the bore, clean the bore before firing using a swab and cleaning rod.

**2-26 HOT DRY CLIMATES**

Dust and sand can get into rifle and cause malfunctions and excessive wear on component contact surfaces during firing. Keep the rifle covered when possible. Use CLP/LSA sparingly.

**2-27 HEAVY RAIN AND FORDING OPERATIONS - ALL CLIMATES**

- a. Perform maintenance in accordance with cleaning procedures in para 3-5 and apply a thin coat of CLP/LSA. Do not lubricate ammunition.
- b. Always attempt to keep rifle dry.
- c. Always drain any water from barrel prior to firing. Dry the bore with a swab and cleaning rod.

**2-28 HOT, WET CLIMATES**

- a. Perform maintenance more frequently. Inspect hidden surfaces for corrosion. If corrosion is found, clean and Lubricate with CLP/LSA.
- b. To help prevent corrosion, remove handprints with a cloth. Dry off and then lubricate the rifle.
- c. Check ammunition and magazine frequently for corrosion. If necessary, clean ammunition with a dry cloth. Do not lubricate ammunition.

**SECTION VII. EMERGENCY PROCEDURES****2-29 IMMEDIATE ACTION**

a. Immediate action is the prompt action taken by the user to correct a stoppage. The procedure for applying immediate action should become instinctive to the user, without the user attempting to discover the cause. It is important that the user apply immediate action instinctively to correct a stoppage.

**WARNING**

**During the following procedures always keep the rifle pointed in a safe direction.**

b. When the bolt is fully forward and the handle is down and the rifle fails to fire, apply immediate action as follows:

- (1) Squeeze the trigger again.
- (2) If the rifle does not fire, retract the bolt to eject the cartridge. Slide bolt forward to chamber another round.
- (3) Squeeze the trigger.
- (4) If the rifle still does not fire, clear the rifle and replace the ammunition.
- (5) Continue to apply immediate action. If the rifle still does not fire, clear/unload rifle.
- (6) If the rifle does not fire after the application of immediate action, a detailed inspection should be made to determine the cause of the stoppage (see Troubleshooting Procedures, para 3-3).

**CHAPTER 3 TM 9-1005-306-10****MAINTENANCE INSTRUCTIONS****SECTION I. LUBRICATION INSTRUCTIONS****3-1 LUBE GUIDE****NOTE**

**The instructions in this section are highly recommended, however other techniques and products may be used so long as the basic maintenance principals are adhered to;**

- Do not use any Teflon or PTFE based lubricant inside the bore of the rifle
- Use quality solvents for carbon and copper removal: do not use automotive cleaners
- Always remove the carbon before the copper
- Bore pastes and polishes may be used to help clean out copper but should be used in moderation (every 3<sup>rd</sup> cleaning)
- Never use a steel brush inside the bore, always use a copper or brass brush
- Never leave a heavy film of lubricant inside the bore of rifle
- Always use a bore guide
- Always use a one-piece cleaning rod with wrap around style jag or a spear type jag with the correct patches (commercial)
- Use Military cotton 7.62 patches or a quality commercial product.
- Never use rags or paper towels as patches
- Do not use a sectional cleaning rod except in field (deployed) environments
- At a minimum clean/dry out the chamber before cleaning.

a. Over-lubrication should be avoided at all times. A thin coat of appropriate lubricant is all that is needed to prevent the possibility of corrosion.

b. When the rifle is to be stored it should be carefully cleaned and thoroughly oiled.

Coat bolt face, extractor, ejector, bore, chamber and exterior of trigger assembly with a non-PTFE / Teflon based lubricant (such as WD-40). Further lubrication is not necessary. (See figure 3-1).

c. When the rifle is to be used, all lubrication must be removed from the chamber and bore. Lubricate the bolt lugs and cocking cam to prevent wear with gun "grease".

**NOTE**

**The spare firing pin assembly is coated with CLP for shipping purposes.**

d. Place a drop of lubricant under the bolt stop release. Remove all excess oil with a clean rag.  
e. Ensure spare firing pin assembly found in the deployment kit has a thin coat of lubricant at all times.

**3 - 2 G E N E R A L**

Perform Before and After Operations PMCS if you are the assigned operator and the weapon has been stored in an arms room and not used for a period of 90 days, or you have been issued the weapon for the first time (see para 2-16).

**N O T E**

**An inactive weapon is a weapon, whether assigned or not assigned to an individual that is stored in an arms room for a period of 90 days. Cleaning (PMCS) of an inactive weapon will be performed every 90 days. This will ensure proper inspection intervals to safeguard against corrosion and detect worn or damaged parts which may require replacement.**

SECTION II. TROUBLESHOOTING PROCEDURES

3-3. TROUBLE SHOOTING

This manual cannot list all malfunctions that may occur, nor all causes and corrective actions. If a malfunction is not correctable, turn the complete weapon system in to the proper maintenance/supply channel for return to the contractor. (See Chapter 3, Section IV, Preparation for Shipment).

WARNING

Before performing any of the trouble shooting procedures, make sure the rifle is clear/unloaded.

TROUBLESHOOTING GUIDE

MALFUNCTION	CAUSE	CORRECTION
1. FAIL TO FIRE	a. Safety in "S" Position.	a. Move safety to "F" position.
	b. Defective ammo.	b. Eject round.
	c. Firing pin damaged.	c. Change firing pin assembly.
	d. Firing pin binds.	d. Change firing pin assembly.
	e. Short firing pin protrusion.	e. Change firing pin assembly.
	f. Firing control out of adjustment.	f. Turn the complete weapon system in to the proper maintenance/supply channel for return to the contractor.
	g. Trigger out of adjustment.	g. Same as f. above.
	h. Trigger does not retract.	h. Same as f. above.
	i. Trigger binds on trigger guard.	i. Same as f. above.
	j. Firing pin does not remain in the cocked position with bolt closed.	j. Same as f. above.
2. BOLT BINDS	a. Guard screw protrudes into bolt track.	a. Turn the complete weapon system in to the proper maintenance/supply channel for return to the contractor.
	b. Scope base screw protrudes into bolt track.	b. Same as a. above.

3-3

MALFUNCTION	CAUSE	CORRECTION
3. FAIL TO FEED	a. Bolt override cartridge. b. Cartridge stems chamber.  c. Magazine in backwards. d. Weak or broken magazine spring.	a. Seat cartridge fully rearward in magazine. b. Pull bolt fully rearward. Remove stemmed cartridge from ejection port area. Reposition cartridge fully in the magazine. c. Remove magazine spring and re install with long leg in follower. d. Replace spring
4. FAIL TO EJECT	a. Broken ejector.  b. Fouled ejector plunger.	a. Turn the complete weapon system in to the proper maintenance/supply channel for return to the contractor. b. Inspect and clean bolt face. If malfunction continues, refer to a. above.
5. FAIL TO EXTRACT	a. Broken extractor.	a. Turn the complete weapon system in to the proper maintenance/supply channel for return to the contractor.

## SECTION III. MAINTENANCE PROCEDURES

## 3-4. DISASSEMBLY (FIELD STRIPPING).

## CAUTION

Dry firing of the rifle is only to be done in conjunction with PMCS (para 2-16) and safety/function checks (para. 3-7) and/or during training.

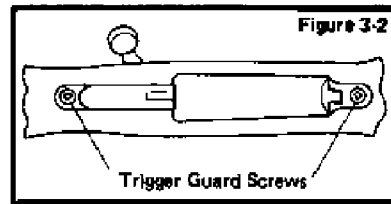
## a. TAKEDOWN PROCEDURE: (Field Stripping)

## 1. CLEAR THE WEAPON

## WARNING

Check the chamber and magazine to make sure there are no cartridges in the rifle.

2. Point the rifle in a safe direction.
3. Put the safety in the "S" position.
4. Remove the bolt assembly.
5. Loosen the 2 guard screws (figure 3-2)
6. Remove floorplate.
7. Remove the barreled action from the stock.



## 3-5 CLEANING

## Insert the bore guide

1. Attach the bore brush to the cleaning rod.
2. Apply carbon cleaning solvent to the bore brush (see Appendix D).

## NOTE

If possible use a good rifle rest or a bipod to support the weapon with the barrel pointing slightly down. If neither is available the Barrel should lay horizontally with muzzle slightly downward with the ejection port facing down during cleaning. Always clean the barrel from the chamber end to the muzzle. Lay a rag under the muzzle or insure the muzzle is extended over some form of "catch" device/container.

3. Push and withdraw the bore brush completely through the barrel several times. Add solvent as needed.
4. Remove brush from rod, attach a wrap around jag (Pakerhale style) or tip with swab, and push completely through the bore.
5. Repeat several times, using a new cleaning swab each time, until the swab is not dirty.
6. Wipe the rod off in between replacement of the patches.
7. Soak a patch with copper solvent
8. Attach the patch to the rod and swab the bore of the rifle.
9. Repeat several times, using a new cleaning swab each time, until the swab is not dirty.
10. Wipe the rod off in between replacement of the patches.
11. If the weapon is to be stored a light coat of a non-PTFE lubricant can be applied to the bore.
12. If using a bore paste or polisher apply some to a patch,
13. Wrap patch onto the jag and insert the rod/jag/patch into the bore guide
14. Stroke the bore with the rod ensuring that the patch does not exit the muzzle. If the rod does exit replace the patch and start over. Number of passes depends on degree of copper fouling, should not exceed 15 passes.
15. Using a .45 caliber brush wrapped with a 7.62 patch on the end of a pistol rod, clean out the chamber of the rifle.
16. Wipe the inside of magazine and receiver with a cloth dampened with gun cleaning solvent and wipe dry.
17. Dust and wipe external portions of rifle with a clean cloth (for dust and dirt).
18. Wipe and Lubricate adjustable butt plate straw shaft and both wheels (see Figure 2-6) with CLP/LSA (see Appendix D).
19. Lubricate as per lubrication, para 3-1.

**b. TO TOUCH UP EXTERIOR FINISH**

1. Use solid film lubricant for minor touch up of missing exterior finish.
2. Apply solid film lubricant in accordance with instructions provided on manufacturer's container.

**c. THE BOLT ASSEMBLY**

Vigorously clean the bolt face with a small cleaning brush dampened with gun cleaning solvent (see Figure 3-4). Wipe bolt assembly clean and dry.

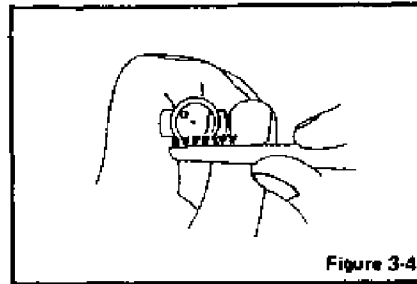


Figure 3-4

**d. TRIGGER ASSEMBLY**

1. Remove receiver and barrel assembly from the stock assembly (see para 3-4).

**CAUTION**

**Do not remove the trigger assembly from the receiver and barrel assembly.**

2. Place the safety to the fire position.
3. Pull the trigger to the rear.
4. Purge dirt and moisture from the trigger assembly with CLP or alcohol.

**NOTE**

**If alcohol is used the trigger assembly must be lubricated.**

5. Lubricate trigger assembly as needed.
6. Place a drop or two of the appropriate Lubrication to each side of the sear with the trigger pulled to the rear. Dry fire to work lubrication into the trigger action.
7. Place a drop of lubrication under the bolt stop release.
8. Reassemble the receiver and barrel assembly to the stock assembly (see para 3-4).

**e. CLEAN THE DAY OPTIC SIGHT**

1. Remove large particles from exposed lens surfaces by first blowing on the surface. Then brush with lens cleaning brush.
2. Apply lens cleaning fluid or isopropyl alcohol to non-silicone lens cleaning tissue.
3. Wipe lens in a circular motion starting in the center of lens and working towards the outside.

**NOTE**

**If fingerprints are observed, remove immediately using the above procedures.**

PMCS should be performed before and after firing.

**3-6. REMOVAL AND REPLACEMENT OF FIRING PIN ASSEMBLY****a. FIRING PIN ASSEMBLY REMOVAL**

1. Remove bolt assembly as per instructions in para 2-8.

**NOTE**

**Be sure bolt is in the cocked position.**

2. Place bolt in vertical position with bolt handle to the top. (See Figure 3-5).
3. Place sear notch, on firing pin head, against a hard surface and pull downward on bolt handle, compressing the spring. (See Figure 3-6).
4. Firing pin head will be pushed above bolt plug. While raised, a slot in the firing pin head can be observed.
5. Place an object into slot (identification tag, dime, etc.).
6. Screw firing pin assembly out of bolt assembly by turning counter clockwise.

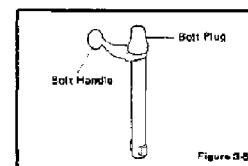


Figure 3-5

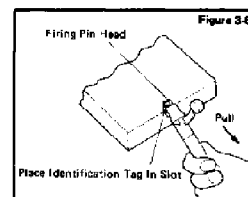


Figure 3-6

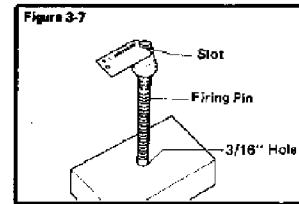


7. See Figure 3-7. To remove object from slot, place firing pin into 3/16" hole drilled through a block of wood (fabricated item, see Appendix E).

**WARNING**

**Bolt plug will be under spring tension. Release slowly to prevent possible injury to personnel.**

8. Grasp bolt plug and press downward, compressing spring (see Figure 3-8). Object will fall from slot.

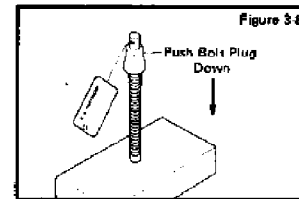


**b. FIRING PIN ASSEMBLY REPLACEMENT**

1. See Figure 3-8. Place firing pin assembly in vertical position with bolt plug to the top.
2. Insert firing pin in to 3/16 " hole drilled into a block of wood. (Fabricated item, see Appendix E).

**WARNING**

**Bolt plug is under spring tension. Release slowly to prevent possible injury to personnel.**

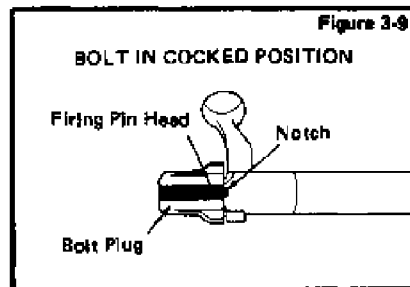


3. Grasp bolt plug and press downward, compressing spring. (See Figure 3-8).
4. Firing pin head will be pushed above bolt plug. While raised, a slot in the firing pin head can be observed.
5. Place an object into slot in firing pin head. (Identification tag, dime, etc.).
6. Screw firing pin assembly into bolt assembly turning clockwise.
7. Remove object from slot by placing sear notch against a hard surface and pulling downward on the bolt handle,

**NOTE**

**Bolt must be in the cocked position.**

8. Turn bolt plug until firing pin head goes into small notch on rear rim of the bolt. The bolt is now cocked. (See Figure 3-9).



**C. REMOVAL AND REPLACEMENT OF DAY OPTIC SIGHT WINDAGE, ELEVATION AND FOCUS DIALS**

**CAUTION**

**Care must be taken not to over tighten set screws.**

1. REMOVAL
  - a. Mark or note Location of setting on focus, windage, and elevation dials before loosening set screws.
  - b. Loosen set screws and remove dial from adjusting post.
2. REPLACEMENT
  - a. Place focus, windage, end elevation dial on proper adjusting post and align with noted or marked location.
  - b. Tighten set screws.

**NOTE**

**White dots on focus dial will be toward rear of day optic sight.**

**3-7 SAFETY/FUNCTION CHECK**

**WARNING**

**Before performing the safety/function check, make sure the rifle is clear/unloaded.**

1. If the listed safety /function checks perform as indicated, rifle is mission ready. If the checks do not perform as indicated, turn the complete weapon system in to the proper maintenance/supply channel for return to the contractor. (See Chapter 3, Section IV, preparation For Shipment).
2. With the bolt closed and the firing pin in the most forward position, safety will not go to safe position.
3. Pull upon the bolt handle to cock rifle. Pull bolt to the rear.
4. Close the bolt.
5. Put safety In safe position,
6. Pull trigger. Firing pinhead will not move forward.
7. Put Safety in fire position.
8. Pull trigger. Firing pin head will move forward. A click should be heard.

**3-8. STORAGE**

1. When rifle is to be stored in the system case, ensure the chamber and magazine are free of any rounds of ammunition and rifle is cleaned and lubricated as per instructions (see para 2-7 and 3-1).
2. Ensure there is no live ammunition in the area.
3. The bolt will be in the closed position.
4. Pull the trigger to release spring tension on the firing pin spring.

**NOTE**

**The preferred method of storage is in a vertical position with the barrel down.**

**SECTION IV. TURN-IN PROCEDURES FOR CONTRACTOR REPAIR OF 700P EXPORT  
3-9. PREPARATION FOR SHIPMENT**

**W A R N I N G**

**UNDER NO CIRCUMSTANCES SHOULD THE WEAPON BE SHIPPED  
WHILE IT STILL CONTAINS LIVE AMMUNITION, EITHER IN THE  
SHIPPING BOX OR IN THE WEAPON ITSELF.**

1. Ensure that no ammunition is present in the weapon by following the procedures for clearing the weapon found in para 2-7.
2. Detail the required maintenance action as thoroughly as possible.
3. Repairs cannot be made unless the deficiency is identified.
4. Clean weapon by following the procedures for cleaning the weapon found in para 3-5.

**N O T E**

**Do not perform steps 11 and 12 on page 3-8 for shipment of weapon.**

5. Place weapon in the soft carrying case.
6. Clean day optic sight by following the procedures for cleaning the day optic sight in para 3-5d.

**N O T E**

**Ensure dust covers are installed on sight and are in the closed position.**

7. Place day optic sight in carrying case and close case.
8. Place soft carrying case and day optic sight case in a shipping box (minimum dimension of 9 x 12 x 48 inches, see Appendixes A and D).
9. 9 x 12 x 48 inches, see Appendixes A and D).
10. Fill shipping box with cushioning material (see Appendixes A and D).
11. Close the shipping box and seal all seams and joints with tape (see Appendixes A and D).

**3-10. DOCUMENTATION FOR TURN-IN**

1. When it is determined that a SWS requires repair above operator level, notify the installation accountable property officer.
2. The installation accountable property officer will notify higher headquarters and request permission to return the SWS to the manufacturer.
3. Higher HQ will direct shipment to Remington Arms Company, Inc.
4. Shipments may be accomplished through the use of 'U. S. Registered Mail, Federal Express, United Parcel Service, DHL, etc. Return Receipt Requested'.
5. The shipment must be addressed to:  
Remington Arms Company, Inc.  
ATTN: Fabricated Products Department  
14 Hoefler Avenue  
Ilion, New York 13357-1816
6. After the repair is completed, the items will be returned to the originating unit.
7. Remington will return the repaired SWS back to the unit using DTS.

**3-11. DOD SMALL ARMS SERIALIZATION PROGRAM (DODSASP)**

For FMS obtained weapons are Reportable under DODSASP in accordance with Chapter 4, AR 710-3 entitled 'Asset and Transaction Reporting System'. The DODAC to be used for shipment to Remington Arms Company, Inc. is 'CMAH2W'.

**CHAPTER 4**

**AMMUNITION**

AUTHORIZED AMMUNITION.

**W A R N I N G**

**Use only 7.62x51mm or 308 ammunition.**

**Do not fire corroded or dented cartridges, cartridges with loose bullets or any other defective rounds detected by visual inspection.**

**4-2. AMMUNITION WHICH FAILS TO FIRE.**

Dispose of any ammunition which fails to fire according to authorized procedures.

**4-3. CARE, HANDLING, AND PRESERVATION.**

1. Protect ammunition from mud, sand, and water. If the ammunition gets wet or dirty, wipe it off at once with a clean dry cloth. Wipe off light corrosion as soon as it is discovered.
2. Turn in heavily corroded cartridges.
3. DO not expose ammunition to the direct rays of the sun. If the powder is hot, excessive pressure may develop when the rifle is fired.
4. Do not oil or grease ammunition. Dust and other abrasives that collect on greasy ammunition may cause damage to the operating parts of the rifle. Oiled cartridges produce excessive chamber pressure.

## APPENDIX A REFERENCES

### A-1. SCOPE.

This appendix lists all forms, field manuals, technical manuals, tables, regulations, standards, and miscellaneous publications referenced in this manual.

### A-2. TECHNICAL MANUALS.

TM740-90-1 ..... Administrative Storage of Equipment  
TM750-244-7 ..... Procedures for Destruction of Equipment to Prevent Enemy Use  
TM9-1300-206 ..... Care and Storage of Ammunition

### A-3. COMMON TABLE OF ALLOWANCES (CTA).

CTA8-100 ..... Army Medical Department Expendable/Durable Items  
CTA50-970 ..... Expendable/Durable Items (except: Medical Class V, Repair Parts and Heraldic Items)

### A-4. ARMY REGULATIONS AND PAMPHLETS.

DA PAM 25-30 ..... Consolidated index of Army Publications and Blank Forms  
DA PAM 738-750, ..... The Army Maintenance Management System (TAMMS)

### A - 5 . FIELD MANUALS

FM 3-5 ..... NBC Contamination  
FM3-87 ..... Nuclear, Biological and Chemical (NBC) Reconnaissance and Decontamination Operations (How to Fight)  
FM 21-11..... First Aid for Soldiers  
FM 23-10..... Sniper Training and Employment

### A-6. TRAINING CIRCULAR.

TC 23-14 ..... Sniper Training and Employment

### A - 7 . F O R M S .

DA Form 2028 ..... Recommended Changes to Publications and Blank Forms  
SF368 ..... Quality Deficiency Report  
DA Form 2407 ..... Maintenance Request  
SF 364 ..... Report of Discrepancy  
DDForm 1750..... Packing List

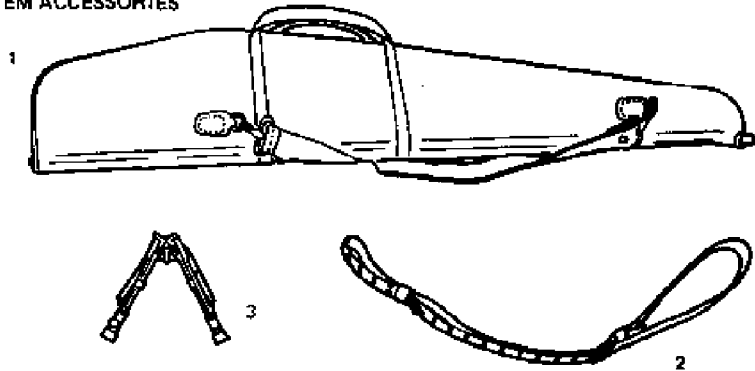
### A - 8 . M I S C E L L A N E O U S .

MIL-STD-129 ..... Military Standard-Masking for Shipment and Storage  
PPP-B-636 ..... Federal Specification-Boxes, Shipping, Fiberboard  
PPP-C-843 ..... Federal Specification -Cushioning Material  
PPP-C-1842 ..... Federal Specification -Cushioning Material  
PPP-T-60 ..... Federal Specification - Tape, Packaging, Waterproof  
A-A-1683 ..... Federal Specification - Tape, Packaging, Waterproof  
TB 43-0196 ..... Inspection and Certification of Gages - Small Arms

**APPENDIX B  
DESCRIPTION OF TOOL USAGE  
T O O L S**

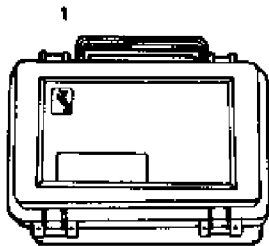
1. T-Handle Torque Wrench  
(used to torque trigger guard screws and day optic sight mounting nuts to 65 in. lbs. )
2. Socket Wrench Attachment 3/8" Drive Hex Bit 5/32"  
(used for replacement of the trigger guard screws)
3. Key, Socket Head Screw .050"  
(used for rear sight knob detents)
4. Key, Socket, Head Screw 1/16"  
(used for trigger adjustment and day optic sight dials set straw)
5. Key, Socket Head Screw 5/64"  
(used for rear sight windage adjustment end cap)
6. Key, Socket Head Screw 3/32"  
(used for day optic sight base and metallic (iron) sight adjustment)
7. Key, Socket Head Screw 7/64"  
(used for metallic (iron) sight base)
8. Key, Socket Head Screw 1/8"  
(used to tighten butt plate attachment screws)
9. Key, Socket Head Screw 5/32"  
(used to remove trigger guard screws)
10. Socket, Socket Wrench 1/2"  
(used to attach day optic sight)
11. Wrench, Box and Open, 1/2"  
(used to remove day optic sight)

APPENDIX C  
SNIPER WEAPON SYSTEM PARTS LIST  
C - 1 . G E N E R A L  
SNIPER WEAPON SYSTEM PARTS LIST  
SYSTEM ACCESSORIES



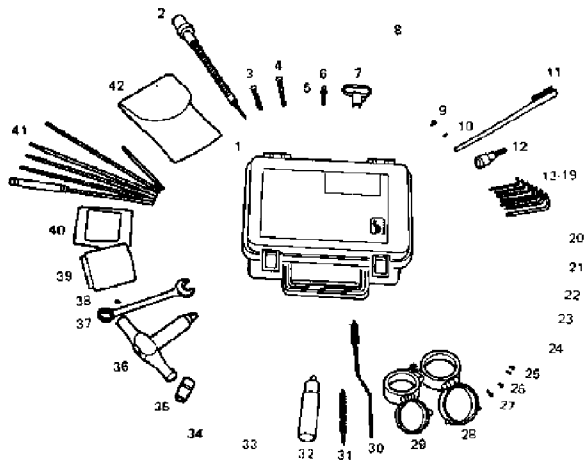
NO.	FSCM/CAGE	PART NO.	NOMENCLATURE	NSN
1	3A703	98078	Soft Rifle Carrying Case	1005-01-282-2816
2	16204	7141245	Sling, Small Arms	1005-00-714-1245
3	3A703	86117	Bipod (optional)	1005-01-260-2886

SNIPER WEAPON SYSTEM PARTS LIST



NO.	FSCM/CAGE	PART NO.	NOMENCLATURE	NSN
1	3A703	96027	Deployment Case	1005-01-260-2847

SNIPER WEAPON SYSTEM PARTS LIST DEPLOYMENT KIT (Cont. )



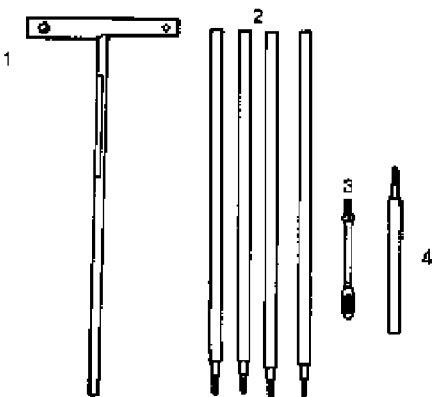
NO.	FSCM/CAGE	PART NO.	NOMENCLATURE	NSN
1	3A703	22397	Deployment Case	1005-01-260-2647
2	3A703	96007	Firing Pin Assembly	1005-01-260-2636
3	3A703	96010	Front Guard Screw	1005-01-260-2666
4	3A703	22016	Rear Guard Screw	1005-01-260-2666
5				
6	3A703	96022	Swivel Screw	1005-01-260-2641
7	3A703	96023	Swivel Sling	1005-01-260-2640
8				
9				
10	19204	8448462	Brush, Cleaning Small	1005-00-494-8802
11	81348	GGG-W-641 E	Socket Wrench Attachment: 3/8" drive hex bit 5/32"	5120-00-962-0071
12	55719	AW1-1-2	.060" Key, Socket Head Screw	5120-00-198-6401
13	55719	AW2	1/8" Key, Socket Head Screw	5120-00-198-6398
14	96379	ARX 132-20	5/64" Key, Socket Head Screw	5120-00-224-2604
15	92674	BA27077-4	3/32" Key, Socket Head Screw	5120-00-242-7410
16	55719	AWL31-2	7/64" Key, Socket Head Screw	5120-00-889-2182
17	55719	AW4	1/8" Key, Socket Head Screw	5120-00-240-5292
18	75409	BA27077-3	5/32" Key, Socket Head Screw	5120-00-198-6392
19	11726	41R	T-handle Combo Wrench (Screwdriver, Flat Tip)	5120-00-932-8222



NO.	FSCM/CAGE	PART NO.	NOMENCLATURE	NSN
21				
22				
23				
24				
25	3A703	98093	Day Optic Sight Ring Screws	1005-01-280-2850
26	3A703	98097	Day Optic Sight Base Screw Front	1005-01-280-2851
27	3A703	98098	Day Optic Sight Base Screw Rear	1005-01-280-2852
28	3A703	98043	Day Optic Sight Dust Cover, Front	1005-01-280-2843
29	3A703	98044	Day Optic Sight Dust Cover, Rear	1005-01-280-2844
30	19204	7790483	Brush, Chamber	1005-00-890-8441
31	19204	8854174	Brush, Sore	1005-00-886-4174
32	19204	6438793	Oil Bottle	2510-00-880-2822
33	3A703	18877	Magazine Spring	1005-01-280-2839

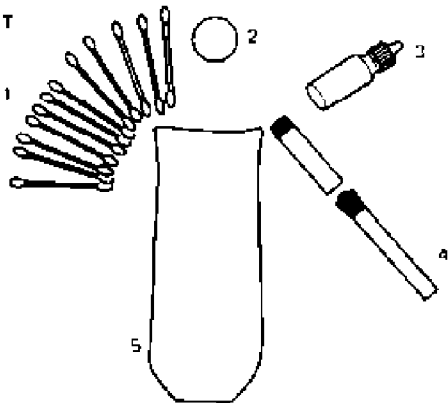
NO.	FSCM/CAGE	PART NO.	NOMENCLATURE	NSN
34				
35	68036	A-A-1404	Socket, Socket Wrench 1/2"	5120-00-227-0702
36	3A703	98056	T-Handle Torque Wrench	1005-01-280-2846
37	64959	G243079-B	Wrench, Box and Open 1/2"	5120-00-228-9506
38				
39				
40	19204	5016316	Swabs, Cleaning Small Arms	1005-00-286-3565
41			Cleaning Rod Kit	
42			Lens Cleaning Kit	

CLEANING ROD KIT



NO.	FSCM/CAGE	PART NO.	NOMENCLATURE	NSN
1	3A703	98092	T-handle Section	1005-01-271-3858
2	3A703	98093	Cleaning Rod Section	1005-01-271-3961
3	16204	1168E237	Swap Holder	1005-00-237-2250
4	3A703	98096	Adapter	1005-01-271-3857

LENS CLEANING KIT



NO.	FSCM/CAGE	PART NO.	NOMENCLATURE	NSN
1	81348	GG-A-816	Applicator (Q. Tips)	6615-00-234-6838
2	81348	NNNP-40	Paper, Lens (Cleaning Tissue)	6640-00-863-0832
3	81348	L-B-56A	Bottle (For Containing Isopropyl Alcohol)	8125-00-824-9058
4	81348	H-B-118	Brush, Artists (Cleaning Brush)	8020-00-224-8010
5	3A703	98041	Case, Lens Cleaning	1005-01-280-2661

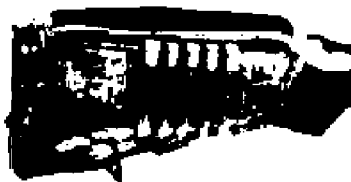
**ADDITIONAL AUTHORIZED LIST**

The following items are not stocked and stored through normal supply channels, with the exception of the bipod (Item 6), and cleaning kit (Item 5) (these do have NSN's). In order to receive additional (replenishment) accessories, you must order directly from the vendor, using the address provided.

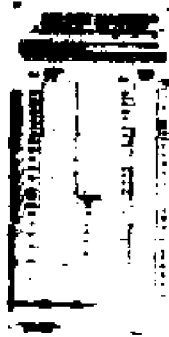
<u>Item</u>	<u>Nomenclature/ CAGEC/Part Number</u>	<u>Vendor Name/Address</u>
1	Drag Bag (0D125) P/N 4 SAC	Eagle Industries 400 Biltmore Drive Fenton, MO 63026



<u>Item</u>	<u>Nomenclature/ CAGEC/Part Number</u>	<u>Vendor Name/Address</u>
2	Stock Pack (0EUP8) P/N EA1-350001	Safety Systems Corporation 361 Randy Road Unit 101 Carol Stream, IL 60188



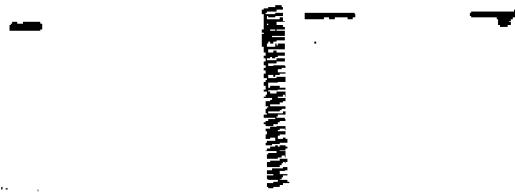
<u>Item</u>	<u>Nomenclature/ CAGEC/Part Number</u>	<u>Vendor Name/Address</u>
3	Ballistic Calculator	Mildot Enterprises P.O. Box 1535 Los Lunas, NM 87031



<u>Item</u>	<u>Nomenclature/ CAGEC/Part Number</u>	<u>Vendor Name/Address</u>
4	Wind Meter	Dwyer Instruments, Inc. Michigan City, IN 46360



<u>Item</u>	<u>Nomenclature/ CAGEC/Part Number</u>	<u>Vendor Name/Address</u>
5	Data Book	U.S. Tactical Supply Inc. GSA Contract # GS-07F-0259N 541-928-8645 Phone 541-791-2965 Fax www.ustacticalsupply.com



<u>Item</u>	<u>Nomenclature/ CAGEC/Part Number</u>	<u>Vendor Name/Address</u>
6	Bipod (3A703) P/N 96117 NSN: 1005-01-260-2665	Harris Engineering, Inc. 999 Broadway Barlow, KY 42024



<u>Item</u>	<u>Nomenclature/ CAGEC/Part Number</u>	<u>Vendor Name/Address</u>
7	Polarized Filter (1D2P7) P/N MLSU	Tenebraex Corporation One Kendall Square Cambridge, MA 02139



<u>Item</u>	<u>Nomenclature/ CAGEC/Part Number</u>	<u>Vendor Name/Address</u>
8	Cleaning Kit (01VS3) P/N 308-8 NSN: 1005-01-453-3783	Otis Technology, Inc. RR 1, Box 84 Boonville, NY 13309



<u>Item</u>	<u>Nomenclature/ CAGEC/Part Number</u>	<u>Vendor Name/Address</u>
9	Ammo Pack (0EUP8) P/N EA1-FAP-308	Safety Systems, Corporation 3611 Randy Road Unit 101 Carol Stream, IL 60188



**APPENDIX D**

**EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST**

**D-1 SCOPE**

This appendix lists expendable/durable supplies and materials that the operator will need to operate and maintain the 700P EXPORT. This listing is for informational purposes only, and is not authority to requisition the listed items.

**D-2 EXPLANATION**

**a . Level.** This column identifies the lowest level of maintenance that requires the listed items.

C - Operator/Crew

F - Intermediate Direct Support Maintenance

**b. Unit of Measure (U/M).** Indicates the measure used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea., in., pr.). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that satisfies your requirements.



## EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

ITEM NO.	LEVEL	NSN	DESCRIPTION	U/M
1	C	6810-00-983-8551	ALCOHOL, ISOPROPYL (Cleaning Fluid) (81348) TT1735 1 qt can	QT
2	C	6515-00-234-6838	APPLICATOR (Q-TIPS) (81348) GG-A-616 100 per pk	EA
3	C	8125-00-824-9058	BOTTLE (for containing isopropyl alcohol) (81348) L-B-56A 1 oz. bottle	EA
4	F	8115-01-015-2710	BOX, SHIPPING (81348) PPP-B-636 12 in x 12 in x 48 in, 10 each	BL
5	C	8020-00-224-8010	BRUSH, ARTIST (Cleaning) (81348) H-B-118	EA

## EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

ITEM NO.	LEVEL	NSN	DESCRIPTION	U/M
6	C	1005-00-556-4174	BRUSH, BORE (19204) 5564174	EA
7	C	1005-00-690-8441	BRUSH, CHAMBER (19205) 7790463	EA
8	C	1005-00-494-6602	BRUSH, CLEANING SMALL ARM (19204) 8448462	EA
9	C		CLEANING COMPOUND (RBC) SOLVENT (81349) MIL-C-372	
		6850-00-224-6656	2 oz. can	OZ
		6850-00-224-6657	6 oz. can	OZ
10	C	9150-01-102-1473	CLEANER, LUBRICANT PRESERVATIVE (CLP) (81349) MIL-L-63460 1 1/2 oz. bottle	OZ

D-3

## EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

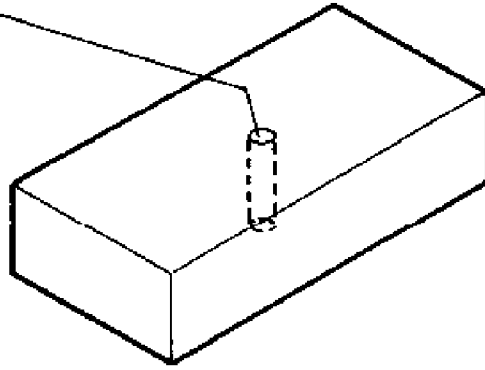
ITEM NO.	LEVEL	NSN	DESCRIPTION	U/M
11	F	8135-01-067-3603	CUSHIONING MATERIAL (81348) PPP-C-1842 325 in x 12 in x 1/4 in	BO
12	F	8135-00-913-3514	CUSHIONING MATERIAL (81348) PPP-C-843 100 ft x 6 in x 3/4 in	BO
12.1	C	9150-01-260-2534	LUBRICANT, SOLID FILM (81349) MIL-L-23398	CH
13	C	9150-00-291-9689	LUBRICATING OIL, WEAPONS (LAW) (81349) HILL 141071 qt Can	QT
14	C		LUBRICATING OIL, WEAPONS (LSA) SEMI-FLUID (81349) MILL 46000	
		9150-00-935-6597	2 oz. plastic bottle	OZ
		9150-00-889-3522	4 oz. plastic bottle	OZ

ITEM NO.	LEVEL	NSN	DESCRIPTION	U/M
15	C	6640-00-663-0832	PAPER, LENS (Cleaning Tissues) (81348) NNN-P-40 50 sheet pk	EA
16	C	7920-00-203-1711	BAG, WIPING (58536) A-A-531 50 lb. bl.	LB
17	C	1005-00-285-3565	SWAB, SMALL ARMS CLEANING (19204) 5019316 200 per bl.	EA
18	F	7510-00-297-6653	TAPE, PRESSURE SENSITIVE PAPERBACK, WATER-RESISTANT (58536) A-A-1683 2 in. wide, 120 yd. roll	YD
19	F	7510-00-074-4952	TAPE, PRESSURE SENSITIVE CLOTHBACK, WATER-RESISTANT (81348) PPP-T-60 2 in. wide, 60 yd. roll	YD

APPENDIX E  
FABRICATED ITEM  
E-1. G E N E R A L

Used in firing pin assembly removal and replacement procedures.

Drill a 3/16" hole through a block of two by four.



**APPENDIX F**

**CORROSION PREVENTION AND CONTROL (CPC)**

1. The supplies and materials needed for CPC are included in Appendix D, Expendable/Durable Supplies and Materials List.
2. Preventive Maintenance Checks and Services are in Chapter 2, Section IV.

**Rifle**

Rifle CPC for the rifle is specified in Chapter 2, section VI, Operation Under Unusual Conditions, and Chapter 3, Section I, Lubrication Instructions.

**Ammunition**

CPC for ammunition is included in Chapter 4.

1. CPC of Army materiel is a continuing concern. It is important that any corrosion problems with the Sniper Weapon System be reported so that the problem can be corrected and improvements can be made to prevent the problem in the future items.
2. While corrosion is typically associated with rusting of metals, it can also include deterioration of other materials such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem.
3. If a corrosion problem is identified, it should be reported. Use of key words such as "corrosion", "rust", "deterioration" or "cracking" will assure that the information is identified as a CPC problem. The form should be submitted to your unit/organization command.