U. S. MARINE CORPS TECHNICAL MANUAL
WITH COMPONENTS LIST

OPERATOR'S MANUAL
SUBMACHINE GUN, 9MM, MP5N (USMC)
(1005-01-360-7146)

FOR OFFICICAL USE ONLY

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1. This Manual is effective upon receipt and contains Operator's Instructions including Components List for Submachinegun, 9mm, MP5N (USMC) .

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SAFETY SUMMARY

The following WARNINGS and CAUTIONS appear on the page referenced and are listed here for emphasis.

WARNING

Make certain fingers are outside of the trigger guard and the weapon is pointed in a safe direction at all times. (Page 1-10)

WARNING

Make certain the weapon is cleared. (Page 1-14, 3-7, 3-33)

WARNING

Before starting an inspection, be sure to clear the weapon. Do not actuate the trigger until the weapon has been cleared. Inspect the clamber to be sure it is empty and that there are no obstructions in the barrel. (Page 2-3)

WARNING

Never try to force a cartridge to chamber. If the bolt does not fully close, release the magazine, clear the weapon, and check for obstructions, but do not attempt to fire. Serious injury could result. (Page 2-11)

WARNING

After the weapon is unloaded, and with the charging handle to the rear, always physically check the chamber for ammunition to preclude injury from an accidental discharge. (Page 2-13)

WARNING

The battery used in the Tactical Light System is a lithium battery. Battery can explode or cause burns if disassembled, shorted, recharged or exposed to fire or high temperatures. Turn old battery in to the Unit Armory. (Page 2-27)

WARNING

When disassembling spring loaded parts, point components away from face/eyes to avoid possible injury if parts fly free. (Page 3-9)

WARNING

When disassembling magazine, point the bottom of the magazine away from face. (Page 3-15)

WARNING

Double hearing protection should be worn when firing since harmful levels of noise are generated. (Page 3-34)

WARNING

Do not fire corroded or dented cartridges with loose bullets, or any other defective rounds detected by visual inspection. (Page 4-2)

CAUTION

Do not leave cartridges in the magazine for extended periods of time since this will cause the spring to lose tension and may cause a malfunction. (Page 2-13)

CAUTION

The battery used in the Tactical Light System is very powerful. Be sure that the switch is not touching anything when the weapon is stored. If the lamp is turned on while in a case or other container, the lamp can overheat and damage the tactical light or surrounding materials. (Page 2-29)

CAUTION

Use only authorized lubrication. Do not mix lubrication. (Page 3-1)

CAUTION

Further disassembly of trigger mechanism should only be performed by ordnance personnel. (Page 3-12)

CAUTION

Always clean the weapon from the chamber end. Never reverse the direction of the bore brush inside the bore. This damages the bore brush and could damage the bore as well. (Page 3-21)

CAUTION

Do NOT allow fluid to enter the Tactical Light Assembly.
This may damage components and cause light failure. (Page 3-24)

CHAPTER 1
GENERAL INFORMATION

Section I. INTRODUCTION

1-1. SCOPE

a. Type of Manual. Operators Manual featuring organizational maintenance procedures (First through Seeond Echelons) for the Submachine Gun, 9 mm, MP5N.

b. Equipment Name and Model Number. The MP5N Submachine Gun (SMG) is equipped with the Tactical Lighting System and is a special operations weapon for combat in close quarters utilizing 9 mm ammunition. The MP5N provides for either single shots or full automatic fire; a 30-round magazine capacity; and has facilities for firing with a sound suppressor.

1-2. FORMS AND RECORDS. Marine Corps forms and procedures used for equipment maintenance will be those prescribed in the current edition of TM 4700-15/1, Equipment Record Procedures. Weapons Record Book. Part II, will also be maintained.

1-3. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR). If your submachine gun needs improvement, let us know. Send us an EIR directly to: Commander. Marine Corps Logistics Base (Code 850), 814 Radford Blvd, Albany, Georgia 31704-5000. Also, respond to MARCORSYSCOM (Code CBGI) with a copy of the EIR. 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. CORROSION PREVENTION AND CONTROL (CPC). Corrosion Control for Marine Corps Ground Equipment is prescribed in the current edition of TM 3050-25/2. If a recurrent corrosion problem is identified, h should be reported on SF 368 (Product Quality Deficiency Report (PQDR)) in accordance with guidance contained in Marine Corps Order 4855.10.

Section II. EQUIPMENT DESCRIPTION

1-5. GENERAL DESCRIPTION. The MP5N Submachine Gun is an automatic small arms weapon. It permits either single shots or full-automatic tire to be fired from all positions. The MP5N is recoil-operated, with fixed barrel and delayed roller-locked bolt system. The high accuracy of the MP5N results from the fact that the submachine gun tires from the closed bolt position, in conjunction with the recoil operated delayed roller locked bolt system. The delayed

roller locked bolt system also allows the MP5N to be controlled more easily when firing full-automatic fire. MP5N components are listed in Appendix B.

a. The left side of the MP5N, Figure 1-1, reveals flash suppressor (1), front sight (2), charging handle (3), serial number location (4), sling connection (5), locking catch (6). magazine catch (7), and hand guard (8).

b. The right side of the MP5N, Figure 1-2, reveals rear sight (1), pressure switch for tactical light (2), tactical light (3), magazine (4), magazine release button (5). magazine release lever (6), trigger (7), selector lever (8), and retractable butt stock (9).

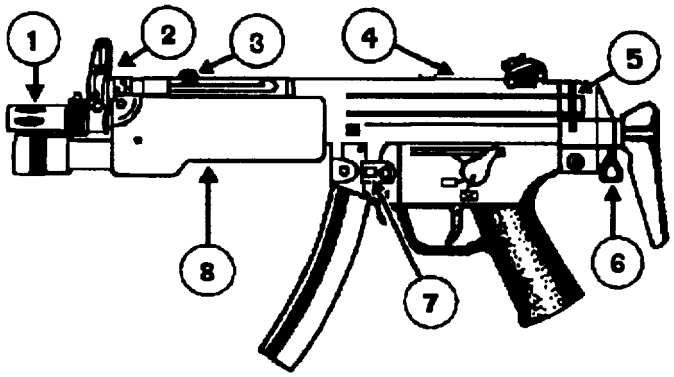

Figure 1-1. MP5N Submachine Gun - Left Side

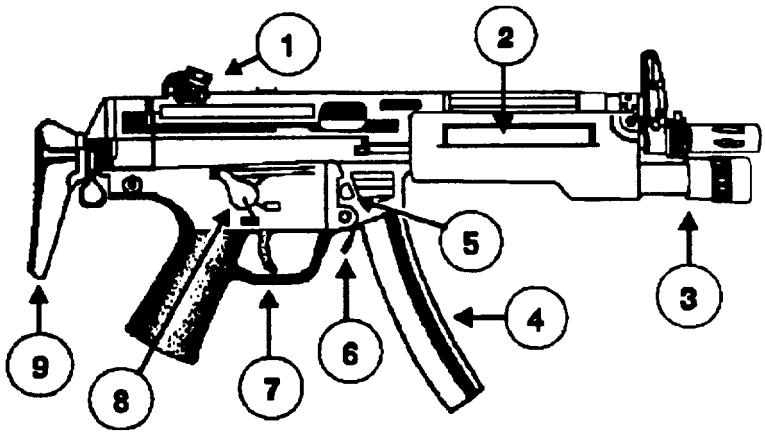

Figure 1-2. MP5N Submachine Gun - Right Side

1-6. EQUIPMENT DATA

Table 1-1. Specifications and Capabilities

SPECIFICATIONS	
Caliber:	9 mm x 19 NATO
Weight:	
Weight w/loaded 30 rd magazine	8.34 pounds
Weight w/o magazine	6.34 pounds
Weight of empty 30 rd magazine	6 ounces
Overall Length:	
w/butt stock extended	27.25 inches
w/butt stock retracted	21.00 inches
Barrel Length (w/o Flash Suppressor):	8.85 inches
Magazine Capacity:	30 rounds
Rifling:	6 grooves, right-hand twist

SPECIFICATIONS (CONT)

Front Sight:	Blade with tritium dot
Rear Sight:	Diopter-rotary rear sight adjustable for windage and elevation
Sight Radius:	13.39 inches
Safety:	Ambidextrous manual thumb-lever on each side of weapon

CAPABILITIES

Modes of Fire:	Single and full-automatic
Muzzle Velocity:	1312 feet per second
Maximum Effective Range:	150 meters

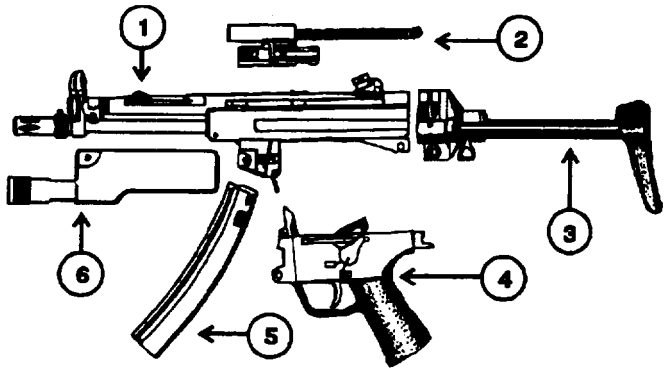

Figure 1-3. MP5N Submachine Gun - Major Components
Numbers are keyed to the text on pages 1-9 and 1-10

1-7. DESCRIPTION OF MAJOR COMPONENTS. (Refer to Figure 1-3)

(1) BARREL AND RECEIVER ASSEMBLY. The receiver connects the barrel, flash suppressor, charging handle, and front and rear sights. In addition, all assemblies are either contained in the receiver or attached to it. The barrel is press-fitted into the barrel extension and fixed in place by means of pins.

(2) BOLT CARRIER ASSEMBLY. The bolt carrier assembly is housed and guided in the receiver; in conjunction with the recoil spring, it feeds and fires the cartridge, extracts and ejects the empty cartridge ease after firing, and cocks the hammer.

(3) RETRACTABLE BUTTSTOCK ASSEMBLY. The two guide rails on either side of the buttstock are guided in grooves on the receiver. They are secured by a locking catch in both the retracted and extended positions. A sling holder is attached to the back plate.

(4) PISTOL GRIP AND TRIGGER MECHANISM ASSEMBLY. The pistol grip is hinged to the receiver and can be swung down and removed from it; it contains the trigger mechanism, with components of the trigger and safety, The safety axle connects the trigger mechanism to the pistol grip. The selector lever is ambidextrous.

(5) MAGAZINE ASSEMBLY. The magazine is attached to the receiver through the magazine well and is held in place by the magazine catch. The forward motion of the bolt carrier assembly strips the cartridge from the magazine and feeds it into the chamber.

(6) HANDGUARD ASSEMBLY AND TACTICAL LIGHT. The tactical light combines housing. lamp. switch, batteries and handguard into a single unit. The handguard encircles the barrel from below. It is attached to the weapon by a locking pin.

Section III. EQUIPMENT PREPARATION

1-8. CLEARING THE WEAPON. Always assume every weapon to be loaded until you have personally determined it to be safe.

WARNING

Make certain fingers are outside of the trigger guard and the weapon is pointed in a safe direction at all times.

a. On Safe. Rotate the ambidextrous selector lever, Figure 1-4, to the SAFE position.

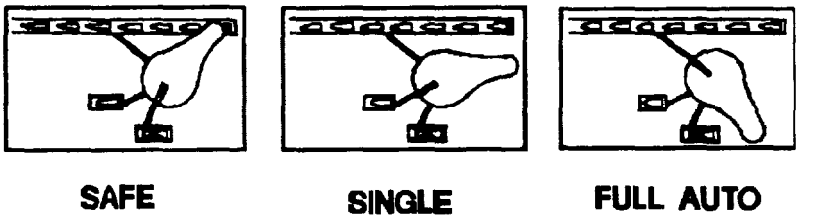

Figure 1-4. Selector Lever

b. Remove Magazine. Push either the magazine release lever (1), Figure l-5,or the magazine release button (located on the right side of the weapon), to release the magazine from the magazine catch.

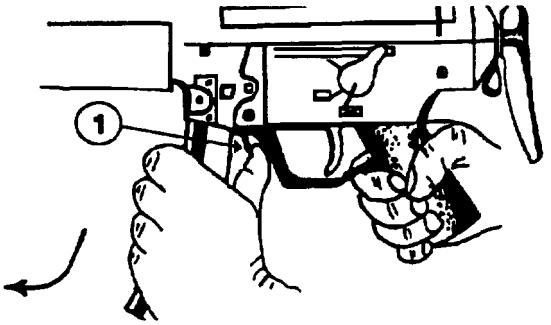

Figure 1-5. Removing The Magazine

c. Charging Handle. Pull the charging handle (1), Figure 1-6, to the rear and lock it into the recess (2). Watch for live round or empty cartridge to be ejected.

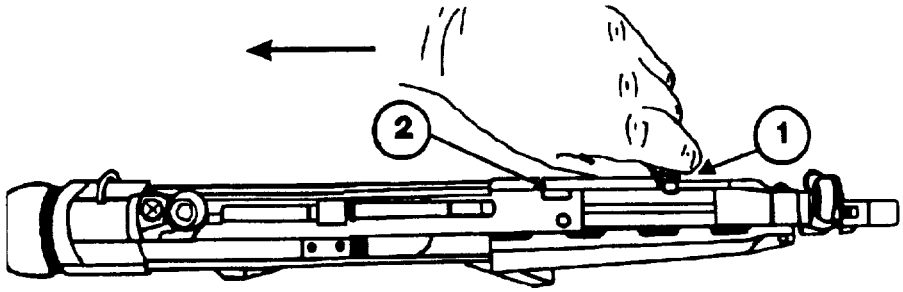

Figure 1-6. Pulling The Charging Handle

d. Inspect Chamber. Inspect chamber for presence of live round or empty cartridge. Visually inspect the chamber through the ejection port and physically insert finger to check for the presence of cartridge case in chamber. Remove any live rounds or empty cartridge from the chamber or from within the weapon.

1-9. FIELD STRIPPING THE WEAPON. Field strip the weapon into its seven major groups as shown in Figure 1-7. Barrel and Receiver Assembly (1), Bolt Assembly (2), Retractable Buttstock Assembly (3), Pistol Grip and Trigger Mechanism Assembly (4), Magazine Assembly (5), Handguard and Tactical Light Assembly (6), and Flash Suppressor (7).

WARNING

Make certain the weapon is cleared.

a. Rotate the selector lever to SAFE and remove the magazine.

b. Place charging handle and bolt group in the forward position.

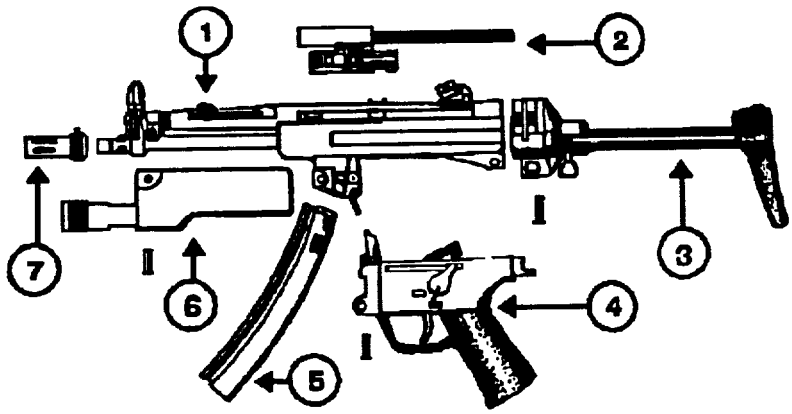

Figure 1-7. Field Stripped

NOTE

Do NOT lay the locking pins down. To prevent misplacing them, place them back in the holes from which they came once the assembly group has been removed.

c. Remove buttstock locking pin (1), Figure 1-8, by pushing from right to left. Remove buttsktock {2).

d. Rotate pistol grip and trigger mechanism assembly downward away from receiver and slide the bolt carrier assembly (1), Figure 1-9, out of the back of the receiver.

e. Remove trigger mechanism locking pin (l), Figure 1-10, and remove pistol grip and trigger mechanism.

f. Remove handguard locking pin (l), Figure 1-11, and remove handguard and tactical light assembly.

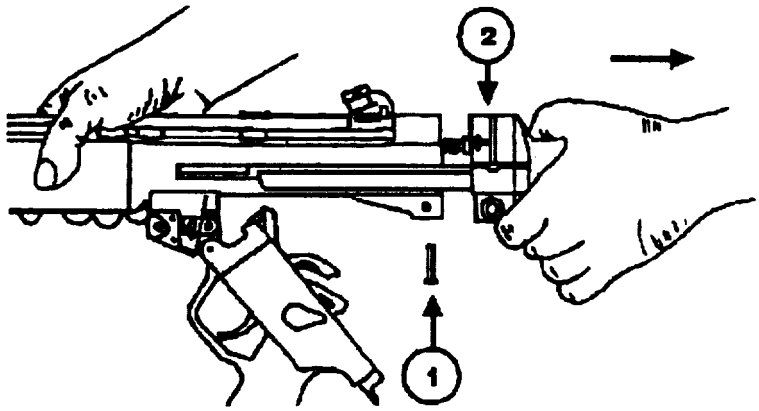

Figure 1-8. Removing The Buttstock

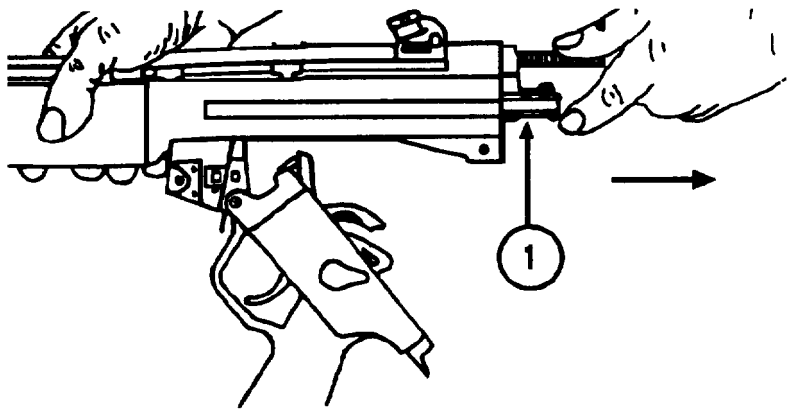

Figure 1-9. Removing The Bolt Carrier Assembly

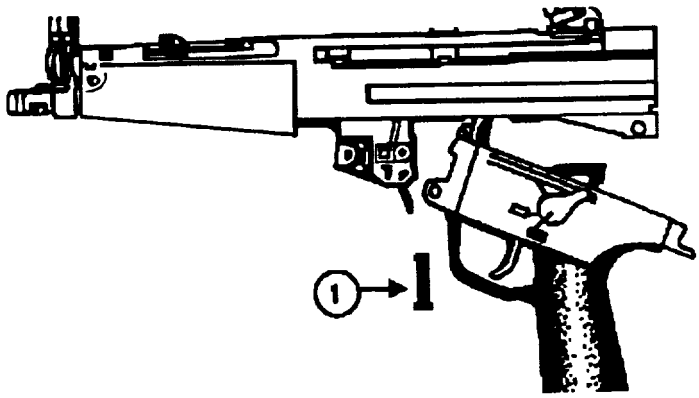

Figure 1-10. Removing Trigger Mechanism Pin

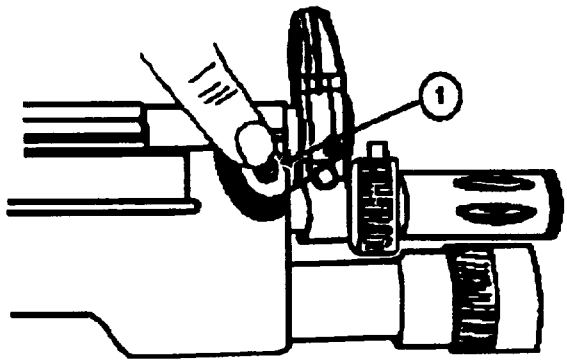

Figure 1-11. Removing Handguard Pin

1-10. ASSEMBLING THE WEAPON. Once cleaning and/or repairs are accomplished, reassemble the weapon in the following manner:

a. Slide handguard and tactical light assembly into place.

b. Align the pin hole and install the handguard locking pin (1), Figure 1-11.

c. Cock [he hammer back and install the pistol grip and trigger mechanism assembly.

d. Align the pin hole and install the trigger mechanism locking pin (1), Figure 1-10. Allow the pistol grip and trigger mechanism assembly to pivot downward away from the receiver

e. Slide the bolt carrier assembly (1), Figure 1-9, back into the receiver.

f. Swing the pistol grip and trigger mechanism assembly up and hold in position.

g. Push the retractable buttstock assembly (2), Figure 1-8, over the rear flap of the pistol grip and into position on the receiver.

h. Align the pin hole and install the buttstock locking pin (1).

i. Cycle the charging handle back and forth several times to ensure the weapon is properly assembled.

j. Pull the trigger.

k. Rotate the selector lever, Figure 1-4, to SAFE.

CHAPTER 2
OPERATING INSTRUCTIONS

Section I. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

2-1. PREVENTIVE MAINTENANCE

a. Before Firing. Always clean and inspect your weapon prior to firing. Firing a weapon with a dirty bore or chamber may cause a weapon failure during a critical moment, Apply a light coat of Cleaner, Lubricant and Preservative (CLP) on all moving parts,

b. After Firing. The MP5N must be cleaned after it haa been fired because firing produces deposits of primer fouling. powder ashes, carbon and metal fouling. Although modem ammunition has a non-corrosive primer which makes cleaning easier, the primer still leaves a deposit which may collect moisture and promote rust if not removed. The weapon must be cleaned within a reasonable interval, a matter of hours after firing. Repeated firing will not injure the weapon if it were *properly cleaned prior to the first round.* After firing the weapon, clean for three consecutive days using the items listed in Appendix B. Following the three consecutive days of cleaning, check the weapon the next several days for fouling by running a clean swab through the bore.

(1) Clean the bore and chamber. Thoroughly clean the bolt and trigger mechanism, removing all carbon deposits. Repeat this cleaning for three consecutive days, or until there is no longer any evidence of fouling in the bore.

(2) After the fourth cleaning following firing, and if no additional tiring is anticipated within the next 24 hours. use clean, dry swabs to thoroughly dry bore and chamber. Then, using clean swabs which have been dipped in CLP and the excess wrung out, apply a light film to the bore and chamber.

(3) Remove the bolt head from the bolt carrier assembly and thoroughly *clean its interior and exterior.* Remove all brass fouling and powder residue from the face of the bolt. being especially alert to fouling on the bolt face and the firing pin hole.

(4) Thoroughly dry all other components and apply a light coating of CLP or another approved lubricant.

c. Daily Service. As part of daily service, inspect the bore and chamber, and clean component parts of the weapon. Wipe entire weapon thoroughly, dry, and relubricate.

d. Extended Periods. For periods greater than two weeks, renew the oil film in the bore and chamber every four days. If the weapon is not being fired, apply a medium coat of CLP to provide extra lubrication and corrosion protection.

2-2. INSPECTING THE WEAPON. Inspect all assemblies for missing, broken, or loose parts. Inspect parts for cracks, dents, burrs, excessive wear, rust, or corrosion. Make sure all items are cleaned and lubricated. Repair or replace defective pans, or evacuate the weapon to intermediate maintenance if repair or replacement is not authorized at organizational maintenance. Field strip the weapon (pars 1-9, page 1-14) and inspect as follows:

WARNING

Before starting an inspection, be sure to clear the weapon. Do not actuate the trigger until the weapon has been cleared. Inspect the chamber to be sure it is empty and that there are no obstructions in the barrel.

ITEM INSPECTED	PROCEDURE / CONDITION
Barrel and Receiver Assembly:	
Barrel	Must not have powder residue or fouling. Special attention should be paid to cleaning and oiling the receiver, barrel extension and barrel.
Sighting	Front and rear sights should be securely seated. Sight apertures must not be dented.
Charging Handle	Check for damages as well as serviceability.
Magazine Catch	Check for smooth operation.

ITEM INSPECTED	PROCEDURE / CONDITION
Bolt Carrier Assembly:	
Bolt	Manually work the bolt head and locking piece in and out, feeling for any roughness, which may indicate wear, corrosion, or dirt/grit in the earner.
Firing Pin	Push the bolt into the carrier and inspect for firing-pin protrusion. Check firing-pin hole for erosion/pitting.
Extractor	Check to ensure it is under spring tension, and is not chipped or worn.

ITEM INSPECTED	PROCEDURE / CONDITION
Pistol Grip and Trigger Mechanism Assembly:	Check components for dents and wear. Also, check trigger mechanism and selector lever for smooth operation.
Retractable Buttstock Assembly:	Check for dents and wear. Check for proper function of the clamping lever.
Magazine Assembly:	Check for dents and serviceability of the follower. Check for correct position of cartridges in the magazine lips and if the magazine is securely seated in the magazine catch.

ITEM INSPECTED	PROCEDURE / CONDITION
Handguard and Tactical Light: (Standard and Drop Light models)	Check for cracks. Ensure locking pin is seated securely. Check battery in tactical light.
Multi-Purpose Sling:	Should be kept clean. Also, check for brittleness and function.
Flash Suppressor:	Should be kept clean. Also, check for dents and the proper fit on the barrel.

Section II. OPERATIONS

2-3. LOADING THE WEAPON.

a. Magzine. Using the appropriate ammunition, load the magazine. Hold the magazine in one hand: with the other hand, place the cartridge on the magazine follower, Figure 2-1, and with slight pressure with the thumb, push the cartridge under the magazine lip. Ensure that all cartridges are pushed all the way to the rear of the magazine.

b. MP5N. With the selector lever on SAFE and prior to inserting the magazine, grasp the charging handle and dry-cycle the weapon several times (work the bolt all the way back and forth). This will determine if the bolt carrier assembly is functioning properly.

(1) Insert the magazine into the magazine well. Tug on the magazine to ensure it is locked in place. The magazine should lock with an audible click as it engages the magazine catch (1) Figure 2-2.

(2) With the selector lever on SAFE and the muzzle pointed in a safe direction, pull the charging handle 10 the rear and allow it to snap forward. The weapon loads and locks a cartridge into the chamber for firing.

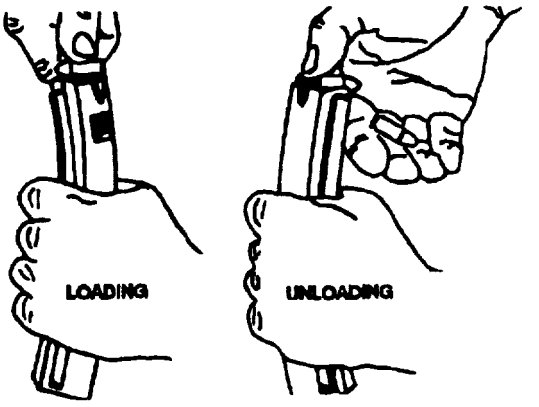

Figure 2-1. Loading And Unloading The Magazine

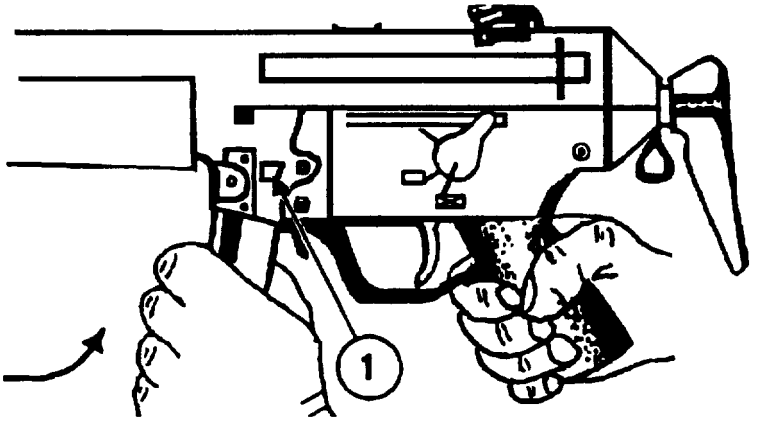

Figure 2-2. Inserting The Magazine

WARNING

Never try to force a cartridge to chamber. If the bolt does not fully close, release the magazine, clear the weapon, and checks for obstructions, but do not attempt to tire. Serious injury could result.

d. Because the weapon has a substantial recoil, the shooter must be positioned squarely behind the weapon, otherwise. accuracy may be diminished, injury or discomfort may result, or the action may fail to cycle correctly.

e. With the selector lever turned to either the SINGLE or FULL AUTO (full-automatic) position, (Figure 1-4 on page 1-11), the MP5N may now be fired. The weapon will fire one round for each squeeze of the trigger when the selector lever is in the SINGLE fire mode, or fire continuously with one pull of the trigger when the selector lever is in the FULL AUTO tire mode. or until the magazine and chamber are empty.

f. If a cartridge or round jams in the chamber and can not be removed by immediate action, evacuate the weapon to the next higher echelon of maintenance.

2-4. UNLOADING THE WEAPON

a. MP5N. Rotate the selector lever to SAFE (Figure 1-4 on page 1-11). Push the magazine release lever forward or depress the magazine release button to remove the magazine (Figure 1-5 on page 1-12). Engage the charging handle in the recess, which will eject any cartridge still chambered. The bolt does NOT automatically remain to the rear when the weapon or magazine is empty. After the MP5N is unloaded, and with the charging handle to the rear, look into the chamber and feel with a finger to make certain the breech area and chamber are empty.

b. Magazine. To unload the magazine, hold it in the left hand with the bullet end of the cartridge pointing towards your right band. With the right thumb, push the cartridge out of the magazine and into the right palm.

WARNING

After the weapon is unloaded, and with the charging handle to the rear, always physically check the chamber for ammunition to preclude injury from an accidental discharge.

CAUTION

Do not leave cartridges in the magazine for extended periods of time since this will cause the spring to lose tension and may cause a malfunction.

2-5. CYCLE OF OPERATION. The cycle of operation for the MP5N is broken down into eight basic steps, and more than one step may occur at the same time.

a. Feeding. The force of the recoil spring pushes the bolt forward, toward the barrel extension, stripping a cartridge from the magazine and loading it into the chamber (by hand using the charging handle when first loading and then by semi-automatic action thereafter).

b. Chambering. The bolt forces the round folly into the firing chamber, and the extractor snaps over the case rim. Blockages (dirt or debris) can prevent full cambering, as can dirty, bent, dented, or otherwise faulty ammunition.

c. Locking. The weapon relies on a delayed roller-locked bolt system. During cambering the bolt head (1), Figure 2-3, enters the barrel extension (2). The angled shoulders of the locking piece forces the locking rollers (3) into the contours of the barrel extension, to lock the weapon. The firing pin (4), is now in positioned behind the cartridge for firing.

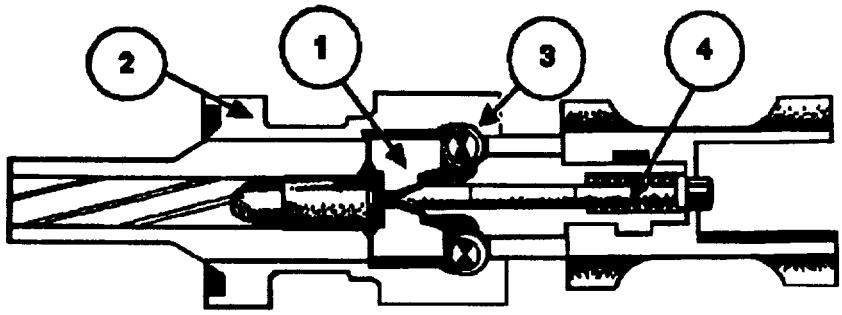

Figure 2-3. Bolt In The Locked Position

d. Firing. When the trigger pivots on its axle, the back of the sear (1), Figure 2-4. rises, causing the front of the sear to lower. This action removes the sear from the notch in the hammer (2), causing the hammer to pivot on its axle. As a result of spring tension, the hammer is allowed to strike the fining pin (3) and ignite the primer of the cartridge,

e. Unlocking. When the cartridge is fired, gas pressure exerts a thrust on the bolt head face. The bolt head carrier (1), Figure 2-5, carries the bolt to the rear to unseat and compress the locking rollers. The balanced angular ratio of the locking piece (2), and the locking rollers causes a delayed recoil movement of the bolt head, thus guaranteeing that the bolt keeps the barrel locked until the bullet has left the muzzle. The bolt head earner continues rearward until it contacts the fact of the hammer, forcing the hammer to cock and the recoil spring to be compressed.

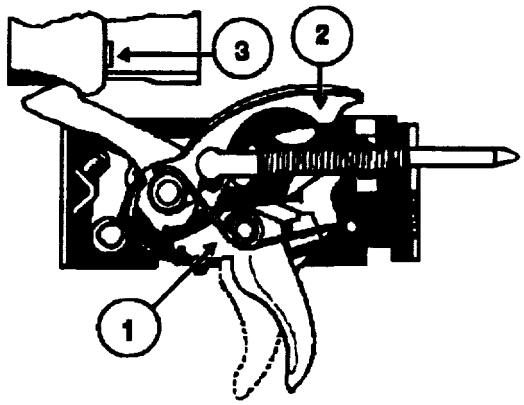

Figure 2-4. Trigger Mechanism

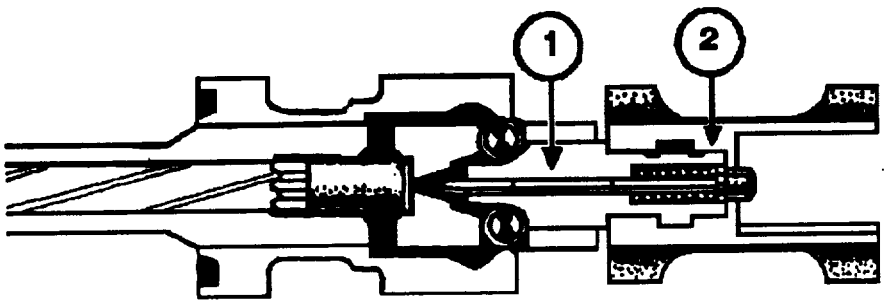

Figure 2-5. Bolt In The Unlocked Position

f. Extraction. With the extractor (1). Figure 2-6, crimped around the extracting groove on the cartridge case. the rearward movement of the bolt head carrier allows the empty cartridge to be removed from the barrel extension during the recoil and compression of the locking rollers (2).

g. Ejection. As soon as the fired case has been extracted and has cleared the rear of the barrel extension, it is expelled from the weapon by the ejector (1). Figure 2-7, which is located within the trigger mechanism.

h. Cocking. As the bolt recoils to the rear, it *rides* the hammer back and down causing the hammer to engage the sear (1), Figure 2-4.

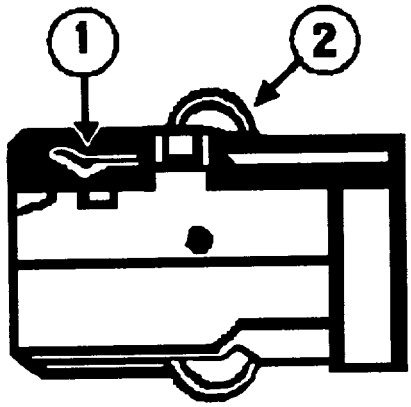

Figure 2-6. Extractor

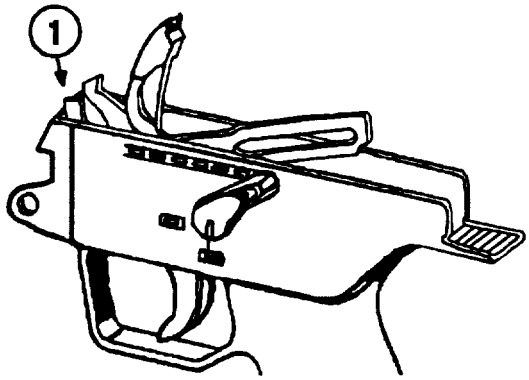

Figure 2-7. Ejector

2-6. SIGHTING SYSTEM. The MP5N is equipped with iron sights consisting of a rigid front sight with a tritium dot and an adjustable diopter-rotary rear sight with four different aperture openings.

a. Elevation Adjustment

(1) Insert elevation adjustment tool (1), Figure 2-8, into the rear sight cylinder (2), in such a manner that the prongs of the tool engage the two detents in the cylinder, which contain the catch bolts. Press phillips-head screwdriver downward into the adjustment tool and hold firmly.

(2) Rotate rear sight cylinder manually in the desired direction (rotating clockwise lowers the strike of the round 1.4 cm {0.55 inches) per click at a range of 25 meters, rotating counter-clockwise raises it correspondingly).

(3) After performing the correction, withdraw phillips-head screwdriver and remove elevation adjustment tool. The catch bolts will then re-engage in the splines.

(4) After performing the elevation adjustment, re-set the rear sight cylinder to the desired aperture.

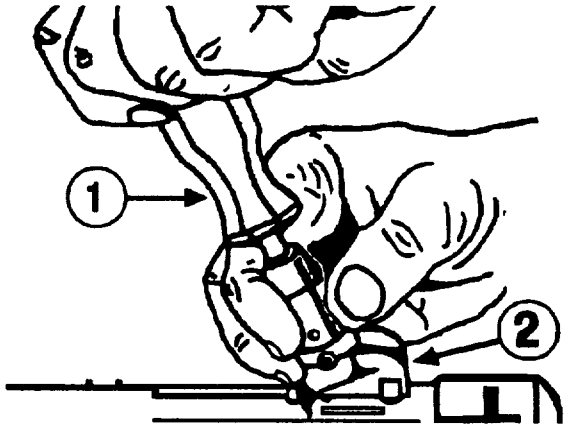

Figure 2-8. Elevation Adjustment

b. Windage Adjustment

(1) Correction for left-hand deviation: Loosen clamping screw (1), Figure 2-9. Turn adjusting screw (1), Figure 2-10, counter-clockwise, in accordance with the required correction. Then re-lighten clamping screw.

(2) Correction for right-hand deviation: Loosen clamping screw (1), Figure 2-9. Turn adjusting screw (1), Figure 2-10, clockwise until the required correction is obtained. Then re-tighten clamping screw.

Each revolution of the adjusting screw moves the mean strike 5.5 cm (2.16 inches) to the left or right at a range of 25 meters.

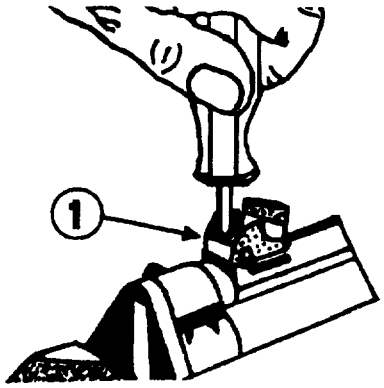

Figure 2-9. Loosening The Clamping Screw

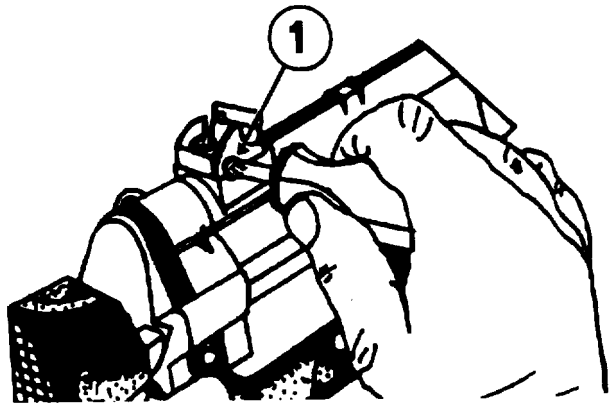

Figure 2-10. Rotating The Adjusting Screw

2-7. TACTICAL LIGHTING SYSTEM

a. The MP5N utilizes a Tactical Lighting System, Figure 2-11, which integrates [he light (1) and the handguard (2) into a single unit. Apply light finger pressure to the robber covered pressure switch (3), located on the right side of the handguard. to activate the Tactical Lighting System. The light will remain on as long as pressure is maintained.

b. The lamp module components, Figure 2-12, are the lamp housing (1), bezel with six volt lamp (2), L60 adapter (3), and lithium battery (4). The pressure switch is integrated into the handguard.

WARNING

The battery used in the Tactical Light System is a lithium battery. Battery can explode or cause burns if disassembled, shorted, recharged or exposed to tire or high temperatures. Turn old battery in to the Unit Armory.

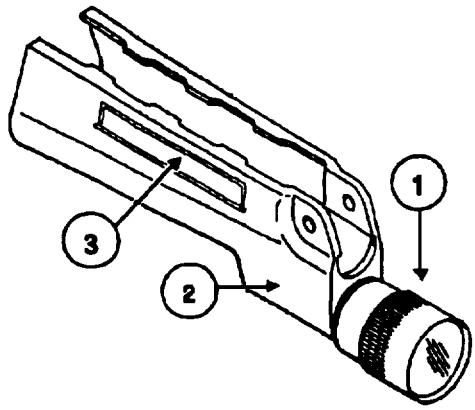

Figure 2-11. Haudguard And Tactical Light Assembly

CAUTION

The battery used in the Tactical Light System is very powerful. Be sure that the switch is not touching anything when Use weapon is stored. If the lamp is turned on while in a case or other container, the lamp can overheat and damage she tactical tight or surrounding materials.

NOTE

Remove the battery or unscrew the bezel far enough to prevent the lamp from turning on when stored.

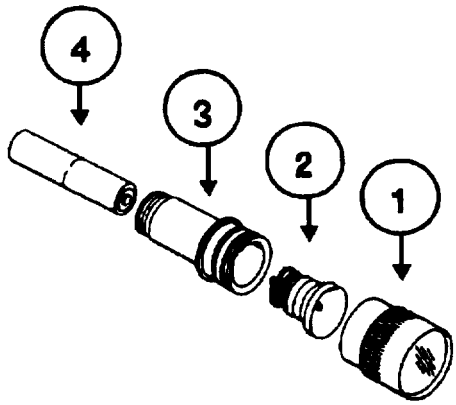

Figure 2-12. Lighting Components

2-8. IMMEDIATE ACTION. Immediate action is the *action* performed *immediately* by the shooter any time there is an unscheduled or unanticipated interruption in the firing of the weapon,

a. Stoppage. Most stoppages may be quickly remedied by:

(1) Slapping the base of the magazine to ensure that it is full seated.

(2) Pulling the charging handle to the rear and holding it there. Observe, through the open ejection port the condition of the chamber, the receiver, and the next round in the magazine.

(3) Releasing the charging handle 10 chamber a fresh round

(4) Trying again to tire the weapon. If weapon fails to fire, see Troubleshooting Chart in Chapter 3 on this manual.

b. Jammed Cartridges. Remove the magazine and engage the charging handle in the recess. The jammed cartridges should fall out through the magazine well.

c. Stuck Cartridge or Live Round. Remove the magazine and engage the charging handle in the recess. Using a small blade screwdriver, engage the cartridge rim and gently pry the round out of the chamber using the side of the ejection port for leverage.

CHAPTER 3
MAINTENANCE INSTRUCTIONS

Section I. LUBRICATION INSTRUCTIONS

3-1. LUBRICATING THE WEAPON. Field strip the weapon (para 1-9, page 1-14) and lubricate in accordance with TM 9150-1 5/1, The use of a high-quality. medium-weight lubricant specifically designed for use on fire arms. such as CLP, will work well on the MP5N,

CAUTION

Use only authorized lubrication. Do not mix lubrication.

a. No Lube. Surface is dry and not slippery to the touch.
   (1) Flash Suppressor body
   (2) Sling webbing
   (3) Plastic components

b. Light Lube. Finger run across surface yields little or no lube.
(1) Bore and chamber
(2) All metal parts (except sound suppressor)
(3) Muzzle and suppressor threads
(4) Trigger mechanism and safety axle
(5) Metal buttstock
(6) Magazine (interior and exterior)
(7) All operating controls (charging handle, magazine catch, etc.)
(8) All metal accessories

c. Medium Lube. Finger run across surface yields some lube but lube does not ran down surface when held in a vertical position.
(1) Bolt carrier assembly
(2) Recoil spring and guide rod

d. Heavy Lube. Lube runs down surface when held in a vertical position.
No *heavy lube* is required on the MP5N submachine gun!

Section IL TROUBLESHOOTING PROCEDURES

3-2. TROUBLESHOOTING. This manual cannot list all malfunctions that may occur, nor all causes and corrective actions. If a malfunction is not correctable, evacuate the complete weapon to the next higher maintenance activity.

MALFUNCTION	CAUSE	CORRECTIVE ACTION
Bolt moves forward without feeding cartridge	Magazine is not insert properly	Inserted magazine properly
	Magazine loose	Check magazine catch. if worn, evacuate for repairs
	Magazine lips deformed	Insert new magazine

MALFUNCTION	CAUSE	CORRECTIVE ACTION
Cartridge case not extracted or ejected	Broken extractor or extractor spring	Evacuate for repairs
	Ejector defective	Evacuate for repairs
	Chamber fouled	Clean chamber
Cartridge does not ignite	Broken firing pin	Evacuate for repairs
	Firing pin too short	Evacuate for repairs
	Faulty ammunition	Pull and release charging handle to chamber new round

MALFUNCTION	CAUSE	CORRECTIVE ACTION
Bolt not completely closed; round not fully fed	Chamber fouled	Clean chamber
	Barrel extension fouled	Clean barrel extension
	Deformed cartridge	Full and release charging handle to chamber new round
	Worn recoil spring	Evacuate for repairs

MALFUNCTION	CAUSE	CORRECTIVE ACTION
Weapon will not tire	Chamber fouled	Clean and properly lubricate
	Magazine not properly seated	Properly insert magazine
	Magazine fouled or deformed	Clean; insert new magazine
	Defective ammunition	Use another lot of ammunition

Section III. DISASSEMBLY PROCEDURES

3-3. GENERAL. Field strip the weapon (para 1-9, page 1-14) to gain access to that part of the weapon requiring preventive and/or corrective maintenance.

WARNING

Make certain the weapon is cleared.

a. Rotate the selector lever to SAFE (Figure 1-4 on page 1-11) and remove the magazine (Figure 1-5 on page 1-12).

b. Place charging handle and bolt group in the forward position.

c. Remove the flash suppressor by rotating the locking lever (1), Figure 3-7 on page 3-28. against spring tension, off the engagement pin in the slot and then lifting it out of the slot. Slightly rotate the flash suppressor around the three lugs and remove it from the muzzle.

d. Remove multi-purpose carrying sling (Figure 3-10 on page 3-32).

e. Remove buttstock locking pin (Figure 1-8 on page 1-17) and remove retractable buttslock.

NOTE

Do NOT lay Use locking pins down. To prevent misplacing them, place them back in the holes from which they came once the assembly group has been removed.

f. Rotate trigger mechanism downward away from receiver (Figure 1-8 on page 1-17) and slide the bolt carrier assembly out of the back of the receiver (Figure 1-9 on page 1-18).

g. Remove trigger mechanism locking pin (Figure 1-10 on page 1-19) and remove pistol grip and trigger mechanism.

h. Remove handguard locking pin (Figure 1-11 on page 1-20) and remove handguard and tactical lighting system.

3-4. BOLT CARRIER ASSEMBLY

WARNING

When disassembling spring loaded parts, point components away from face/eyes to avoid possible injury if parts fly free.

NOTE

Do not remove the recoil spring and guide rod from the bolt carrier as it unnecessarily wears out the nylon washers which are difficult to replace.

Do not remove the extractor, extractor spring, locking rollers or locking roller holder from the bolt head.

a. When required, remove [he recoil spring and recoil spring guide rod from the bolt carrier assembly by edging it out with a clockwise twisting motion.

b. Rotate the bolt head (1), Figure 3-1, 45 degrees toward your body and detach it from the locking piece (2). Separate the firing pin (1), Figure 3-2, and firing pin spring (2) from the locking piece (3). The bolt head (4) is attached to the locking piece.

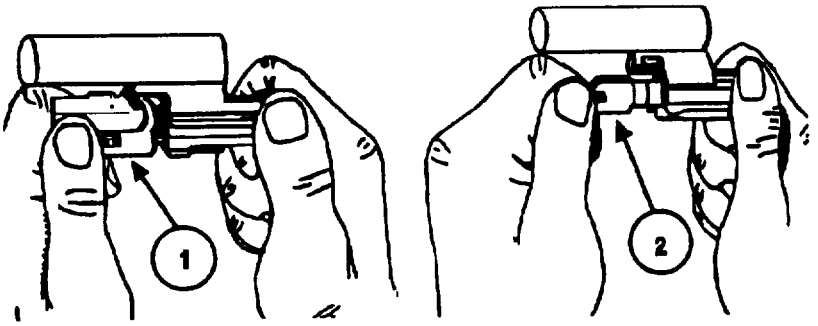

Figure 3-1. Removing Bolt Head And Locking Piece

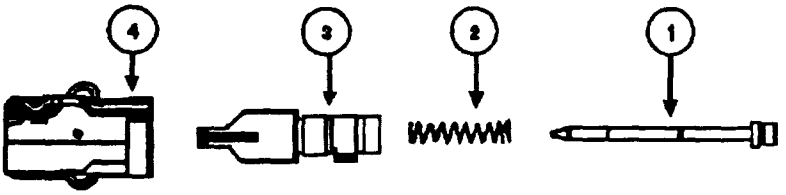

Figure 3-2. Disassembled Bolt Head

3-5. PISTOL GRIP AND TRIGGER MECHANlSM ASSEMBLY

a. Depress the release lever (1). Figure 3-3, to allow the hammer (2), to spring up into the firing position. Pull the trigger (3). and allow the hammer to snap forward.

b. Depress and hold the catch lever ((4) cut away view). while rotating the selector lever (5) clockwise nearly one complete turn until the white indicator is in (he 6 o'clock (down) position. Pull to remove it from the left side of the weapon. Also, remove the right-hand side selector lever. The spring loaded lock (1). Figure 3-4, connects the right side selector lever to the safety axle (2). The safely axle connects the trigger mechanism to the pistol grip.

c. Grasp the ejector (3) and the hammer (4) and lift the interior trigger mechanism up and out of the pistol grip.

CAUTION

Further disassembly of trigger mechanism should only be performed by ordnance personnel.

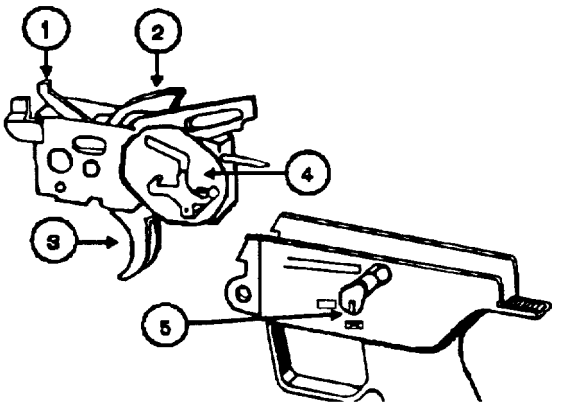

Figure 3-3. Disassembled Pistol Grip And Trigger Mechanism

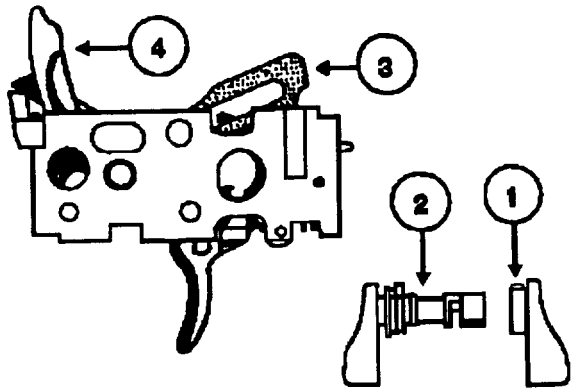

Figure 3-4. Disassembled Trigger Mechanism And Selector Lever

3-6. MAGAZINE ASSEMBLY

NOTE

The magazine does not need to be disassembled for every cleaning. However, it should be disassembled and cleaned during major cleaning, when immersed in water, or if there is appreciable fouling inside.

a. Hold the magazine (1), Figure 3-5, in the left hand with the floor plate pointing up and [he magazine lip resting on the table.

WARNING

When disassembling magazine, point the bottom of the magazine away from face.

b. Insert a cleaning rod into the hole in the base of the floor plate and push down and hold there. Shift your grip so that the left hand is now holding the cleaning rod.

c. With a screwdriver in the right hand, push both floor plate tabs (2), located on the front and back of the magazine housing, inward to disengage the floor plate. Remove the floor plate from the base of the housing.

d. Slowly and carefully release pressure on the cleaning rod and allow the locking plate (3) and magazine spring (4) to exit the bottom of the housing.

e. Remove the magazine spring (with the locking plate and the follower (5) attached) from the housing.

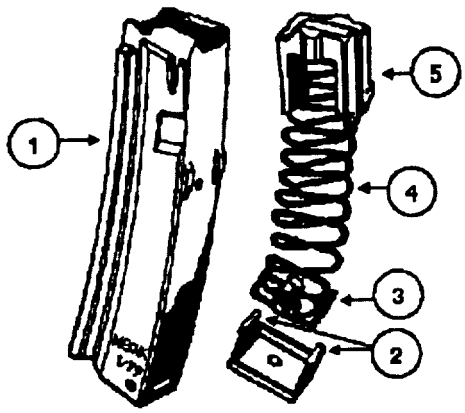

Figure 3-5. Disassemble Magazine Assembly

3-7. HANDGUARD AND TACTICAL LIGHT ASSEMBLY

a. Unscrew the bezel (1), Figure 3-6, from the lamp module (2) and remove the lamp assembly (3). It may be necessary to first remove the flash suppressor. If so, depress and rotate the locking latch (1), Figure 3-7, out of its recess. Lift the flash suppressor off the muzzle.

b. Unscrew the bulb from the lamp assembly, if unserviceable.

c. Slide the battery (4) out of the lamp module. Remove "O" ring (5), if unserviceable. The rubber covered pressure switch (6), is permanently attached to handguard (7). If required, unscrew the lamp module from the handguard.

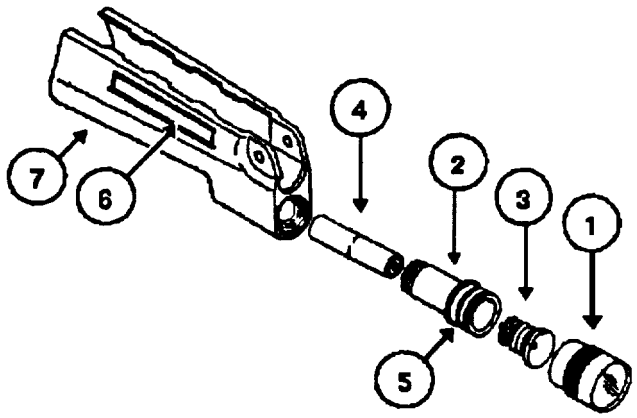

Figure 3-6. Disassembled Handguard And Tactical Light Assembly

3-8. CLEANING THE WEAPON. Cleaning is a vital part of the maintenance procedure, and should always begin with an inspection of the weapon system. Inspection and disassembly are discussed in this manual in Chapter 2, Section 1 and in Chapter 3, Section 3, respectively.

a. General. The MP5N should be cleaned as soon as possible after firing, and each time it is exposed to field conditions, using the items listed in Appendix B. Under extreme conditions of combat or climate, it may be necessary to clean and lubricate the weapon more than once a day. Under ideal conditions, when not being used and if stored in a clean, dry location, it may only be necessary to inspect, clean, and lubricate once every 90 days. Begin by field stripping the weapon (para 1-9 on page 1-14).

b. Barrel and Receiver Assembly

(1) Apply a liberal amount of CLP to a 9 mm bore brush and vigorously scrub the bore. Always insert the bore brush from the chamber end and push it all the way through the barrel without stopping. Do not allow the brush to stop in the bore, as it may become stuck. Repeat this in/out procedures for a minimum of three complete trips and allow the CLP to sit a few minutes.

CAUTION

Always clean the weapon from the chamber end. Never reverse the direction of Use bore brush inside the bore. This damages the bore brush and could damage the bore as well.

(2) Do the same thing to the chamber. Clean the chamber face and barrel extension with a chamber face brush rotated several times in a clockwise direction.

(3) Apply a few drops of CLP to a toothbrush and scrub the area around the barrel extension and along the length of the receiver rails to break-up the carbon fouling.

(4) Using clean, dry swabs, swab the bore (including chamber) until the swabs finally come out clean and dry. (Since the bore "sweats out" fouling and residue, it should be cleaned for at least three consecutive days after tiring, or until there is no further evidence of this sweating.

c. Bolt Carrier Assembly

(1) Scrub all parts of the bolt group with a toothbrush and CLP where carbon is visible, especially around the extractor and the bolt rollers. Insure that the rollers are clean and are free to easily move in and out.

(2) There is no functional need to remove the extractor for cleaning. Removal may damage the extractor spring.

(3) Clean the rest of the bolt with rags and a general purpose brush.

d. Retractable Buttstock Assembly

(1) Remove any foreign debris from the exterior using rags and a toothbrush.

(2) Clean debris from the retractable rails with a toothbrush and a small amount of CLP.

e. Pistol Grip and Trigger Mechanism Assembly

(1) Remove any foreign debris from the plastic pistol grip using a toothbrush. swabs, and rags.

(2) Scrub the top of the hammer, ejector and the area around the front of the ejector and release lever with a small amount of CLP to break up the carbon fouling.

(3) Remove the loose fouling and debris by using rags and a toothbrush.

f. Magazines Assembly

(1) Apply a few drops of CLP to a toothbrush and scrub the top of the magazine 10 remove any visible carbon fouling or loose debris. Pay special attention to the front edge of the housing, the feed lips and the follower,

(2) Remove the solvent and loose fording from the magazine using swabs, rags and a toothbrush.

g. Handguard and Tactical Light Assembly

(1) Remove any foreign debris from the plastic handguard using a toothbrush. swabs. and rags.

(2) Clean [he glass lens of the light with a soft tissue or optic paper to prevent scratches Do not allow CLP to enter the tactical light.

CAUTION

Do NOT allow fluid to enter the Tactical Light Assembly.
This may damage components and cause light failure.

Section IV. REASSEMBLY PROCEDURES

3-9. HANDGUARD AND TACTICAL LIGHT ASSEMBLY

a. Reassemble by screwing the lamp module (2), Figure 3-6 on page 3-19, into the handguard (7). Replace the O ring (5), if required. Slide the battery (4) into the lamp module.

b. Screw bulb into the lamp assembly (3) and place it over the lamp module.

c. Screw the bezel (1) onto the lamp module.

d. Attach handguard and tactical light assembly by sliding the guard along the front bottom of the weapon. Once the guard has slid flush with the receiver, insert locking pin (1), Figure 1-11 on page 1-20, in the hole at the front of the handguard.

3-10. PISTOL GRIP AND TRIGGER MECHANISM ASSEMBLY

a. Reassemble by grasping the trigger mechanism by the ejector (3), Figure 3-4 on page 3-14, and the hammer (4) and inserting it into the pistol grip.

b. Depress and hold the catch lever (4), Figure 3-3 on page 3-13, while inserting the left selector lever (5) through the left side of the pistol grip with the white indicator in the 6 o'clock (down) position The right side selector lever has a spring-loaded lock. Reconnect the right side selector lever and squeeze into the lock position.

c. Continue to depress and hold the catch lever while rotating the selector lever counter-clockwise. Release the catch lever. Ensure the selector lever is functioning properly by rotating it to each position.

d. Engage the hammer (2) by hand. Depress the release lever (1) to allow the hammer to spring up into the firing position. Pull the trigger (3) and allow the hammer to snap forward.

e. Attach pistol grip and swing it into position. Insert locking pin (l), Figure 1-10 on page 1-19, in the hole at the front of the trigger guard. Rotate selector lever to SAFE.

3-11. BOLT CARRIER ASSEMBLY

a. Reassemble by installing the firing pin spring (2), Figure 3-2 on page 3-11, and tiring pin (1) into the locking piece (3). Insert the locking piece into the bolt carrier (4).

b. Attach the bolt head (l), Figure 3-1 on page 3-10, onto the locking piece (2) and rotate the bolt head 45 degrees away from your body.

c. If the recoil spring and recoil spring guide rod were removed from the bolt earner, place the nylon washers within the bolt earner at an angle and use a counter-clockwise twisting motion to gently force it into place.

d. Slide the bolt carrier assembly (1), Figure 1-9 on page 1-18, into the receiver.

3-12. REASSEMBLING THE WEAPON

a. Place the retractable buttstock (2), Figure 1-8 on page 1-17, onto the receiver. Inserting the locking pin (1) is much easier when the buttstock is retracted.

b. Attach the flash suppressor by depressing and lifting the locking latch (1), Figure 3-7, away from the body of the flash suppressor. Place the flash suppressor fully over the muzzle and its three lugs. Reengage the notch on the locking lever securely on the engagement pin located inside the slot in the body of the flash suppressor.

c. When the flash suppressor is not being used, install the thread cap (l), Figure 3-8 on page 3-29, to protect the threads on the muzzle used to secure the sound suppressor 10 the weapon. Store the thread cap on the thread cap holder (2) within the hollow space of the pistol grip.

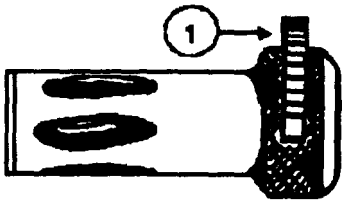

Figure 3-7. Flash Suppressor

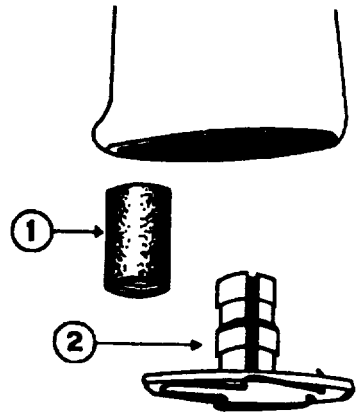

Figure 3-8. Thread Cap And Thread Cap Holder

c. Attach the multi-purpose carrying sling (Figure 3-9). Place the carbine hook (l), Figure 3-10, at muzzle end on the eye hook (2) and the sling hook (3) at the buttstock end on the sling connection (4).

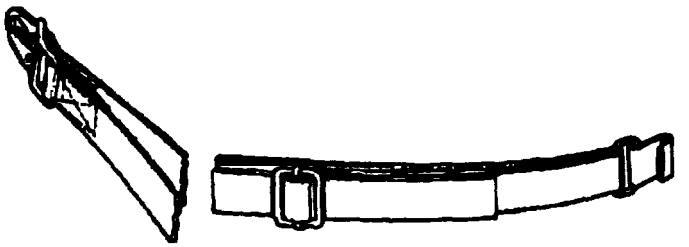

Figure 3-9. **Multi-purpose Sling**

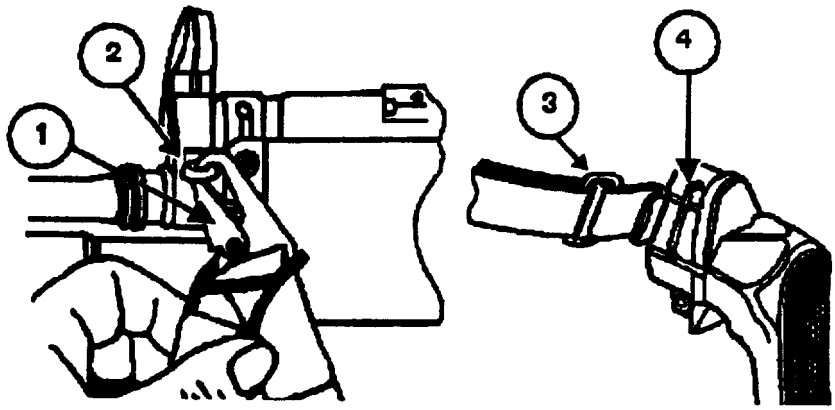

Figure 3-10. Sling Connection Points

3-13. MAGAZINE ASSEMBLY

a. Reassemble by holding the magazine in the left hand with the bottom pointing up and the top resting on the table.

b. Install the magazine spring with the attached locking plate and follower (Figure 3-5 on page 3-17).

c. Slide a cleaning rod through the hole in the floor plate. Position the floor plate over the magazine and, with the cleaning rod, push the locking plate into the magazine housing and hold it there.

d. Shift your grip so that the left hand is now holding the cleaning rod and, with a screwdriver in the right hand, push both floor plate tabs inward to engage the recesses in the magazine housing.

3-14. FUNCTIONAL CHECK. A Functional Check should be performed anytime the weapon is reassembled. This quick check indicates whether or not the weapon has been properly assembled and/or assembled with all components. A properly executed Functional Check can

also reveal many of the more obvious malfunctions that could occur between the interactive components of the weapon.

WARNING

Make certain the weapon is cleared.

a. Always clear the weapon before performing the Functional Check

b. Place the charging handle and bolt group in the forward position.

c. With the weapon on SAFE. pull the trigger. The hammer should NOT fall.

d. Place the weapon on SINGLE fire. Pull the trigger and hold the trigger back. The hammer should fall.

e. Still holding the trigger back, use the charging handle to re-cock the weapon. Release the trigger. Listen for the *click* of the trigger and sear resetting. pull the trigger. The hammer should fall.

f. Place the weapon on FULL AUTO fire. Re-cock the weapon. Pull the trigger and hold the trigger back. The hammer should fall

g. Still holding the trigger back. re-cock the weapon. Release the trigger. You should not hear the hammer fall because it should already be forward.

WARNING

Double hearing protection**should be worn when firing since harmful levels of noise are generated.**

CHAPTER 4
AMMUNITION

Section I. AMMUNITION INSTRUCTIONS

4-1. AUTHORIZED AMMUNITION This Chapter discusses the ammunition available for use with the MP5N. The MP5N submachine gun was designed to use ammunition designed to NATO specifications. When dealing with the ammunition for this weapon, several do's and **don't's** must be considered:

a. Do use:

(1) 9 x 19 mm NATO, Parabellum or Luger ammunition of recent manufacture.

(2) Clean burning ammunition.

(3) Non-corrosive ammunition.

(4) Hollow point, silver-tip, soft point, ball, etc.

(5) Subsonic ammunition.

WARNING

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

b. Do not use:

(1) Reloads or re-manufactured ammunition.

(2) Aluminum cased ammunition.

(3) Corrosive ammunition (primer and/or propellant).

(4) Any ammunition that exceeds NATO pressure limits (maximum 38,000 p.s. i).

section II. AMMUNITION LOGISTICS

4-2. CARE, HANDLING, AND **STORAGE.** For information on the care, handling, and storage of all 9 mm ammunition, refer 10 TM 9-1300-200, or MCO 8020.1.

a. 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. Turn-in heavily corroded cartridges

b. Do not expose ammunition to the direct rays of the sun. If the powder is hot, excessive pressure may develop when the weapon is fired.

c. Do not oil or grease ammunition. Dust and other abrasive that collect on greasy ammunition may cause damage to the operating parts of the weapon. 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 miscellanious publications referenced in this manual.

A-2. MARINE CORPS ORDERS

MCO 4855.10	Product Quality Deficiency Report (PQDR)
MCO 8020. 1	Handling, Transportation Storage, Reclassification, and Disposal of Class V(W) Material

A-3. TECHNICAL MANUALS

TM 3080-25/2	Corrosion Control for Marine Corps Ground Equipment

A-3. TECHNICAL MANUALS (CONT)

TM 4700-15/1	Equipment Record Procedures
TM 9-1300-200	Ammunition, General
TM 9150-15/1	Military Use of Cleaner, Lubricant Preservative (CLP) MIL-L-63460 **for Weapons and** Support Equipment

A-4. FORMS

NAVMC 10558A	Weapon Record Book, Part II
SF 368	Product Quality Deficiency Report (PQDR)

APPENDIX B

COMPONENTS LIST

LIST OF COMPONENTS

ITEM	CAGE	NSN/PN	ITEM IDENTIFICATION	U/I	QTY
			SUPPLY SYSTEM RESPONSIBILITY		
1	3T821	1005-01-360-7146	MP5N Submachine Gun, 9mm		
2	3T821	22127	Flash Suppressor	EA	1
3	3T821	20543	Holder, Thread cap	EA	1
4	3T821	5340-01-376-0592	Cap, Threaded	EA	1

LIST OF COMPONENTS (CONT)

ITEM	CAGE	NSN/PN	ITEM IDENTIFICATION	U/I	QTY
			COLLATERAL MATERIAL		
5	3T821	300009	Adjustment Tool, Sights	EA	1
6	19205	1005-00-716-2132	Brush; Bore, 9 mm	EA	1
7	3T821	305279	Brush; Chamber Face	EA	1
8	3T821	1005-01-432-3012	Cleaning Kit, Gun, for 9 mm	EA	1
9	3T821	1005-01-432-3905	Cleaning Kit, Gun, with Tip and Adapter	EA	1
10	3T821	206349	Magazine, Box, 30 rd.	EA	6
11	3T821	205506	Multi-Purpose Sling	EA	1
12	3T821	1005-01-376-2796	Magazine Loader	EA	1
13	07609	DC-21/W	Bag Protective	EA	1

LIST OF COMPONENTS (CONT)

ITEM	CAGE	NSN/PN	ITEM IDENTIFICATION	U/I	QTY
			USING UNIT RESPONSIBILITY		
14	19204	1005-00-494-6602	Brush, Cleaning, Tooth	EA	1
15	81349	9150-01-102-1473	Cleaner, Lubricant and Preservative, (CLP) 1/2 oz bottle	OZ	1
16	81349	6850-00-224-6657	Cleaning Compound, Solvent, 6 oz can	OZ	1
17	81349	9150-00-292-9689	Lubricating Oil, Weapons (LAW)	QT	1
18	81349	9150-00-935-6597	Lubricating Oil, Weapons (LAW)	OZ	1

LIST OF COMPONENTS

ITEM	CAGE	NSN/PN	ITEM IDENTIFICATION	U/I	QTY
19	81349	9150-00-949-0323	Lubricating Oil, Weapons (LSA-T)	OZ	1
20	81348	6640-00-663-0832	Paper, Lens, Cleaning	PK	1
21	58536	7920-00-205-1711	Rag, Wiping	LB	1
22	19204	1005-00-288-3565	Swabs, Cleaning, Small Arms	PK	1
23	3T821	700134	Sound Suppressor	EA	AR