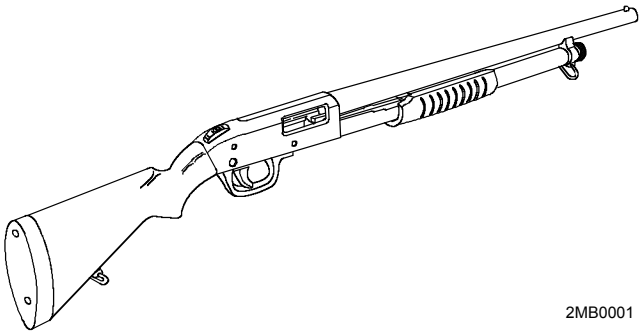
TECHNICAL MANUAL
UNIT AND DIRECT SUPPORT MAINTENANCE
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)

FOR

MOSSBERG 12-GAUGE SHOTGUN, MODEL 500
(1005-01-295-1832)

AND

MOSSBERG 12-GAUGE SHOTGUN, MODEL 590
(1005-01-251-8578)



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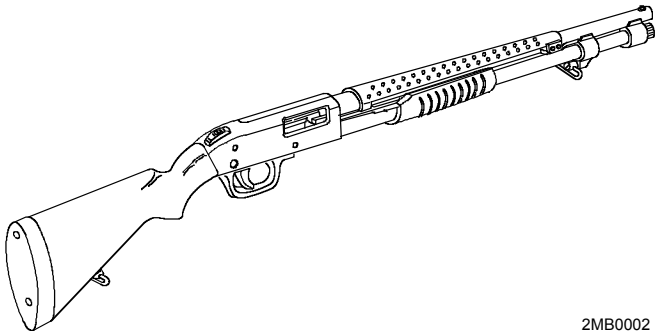
MODEL 500



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MODEL 590

SUPERCEDURE NOTICE: This Technical Manual supersedes TM 9-1005-303-14, dated 29 July 1968, with all changes.

HEADQUARTERS, DEPARTMENTS OF THE ARMY

MAY 2005

WARNING SUMMARY

Be sure to clear your weapon before disassembling, cleaning, inspecting, transporting or storing.

Make certain weapon is cleared and that there is no obstruction in the barrel or chamber.

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 that it is empty, and check to see that there are no obstructions in the barrel.

Do not pull trigger and allow hammer to fall when trigger assembly is removed form receiver. Personal injury or damage to trigger assembly may result.

To avoid injury to eyes, use care when removing and installing spring loaded parts.

Cleaning solvent is FLAMMABLE and TOXIC and must be kept away from open flames and used in a well-ventilated area. Use of rubber gloves is necessary to protect the skin when washing weapons parts.

Appropriate eye protection is recommended when cleaning your weapon or its parts.

For additional first aid data, see FM 4-25.11.

Refer to PAM 385-64 for information on weapons, ammunition, and related publications.

During immediate action make certain the shotgun is pointed in a safe direction at all times.

During remedial action make certain the shotgun is pointed in a safe direction at all times.

LIST OF EFFECTIVE PAGES

NOTE: Zero in this column indicates an original page or work package.

Dates of issue for original manual is: 15 May 2005

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TECHNICAL MANUAL
No. TM 9-1005-338-13&P

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON D.C 15 MAY 2005

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FOR

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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 DA Form 2028 (Recommended Changes to Equipment Technical Publications), through the Internet, on the Army Electronic Product Support (AEPS) website. The Internet address is http://aeps.ria.army.mil. If you need a password, scroll down and click on "ACCESS REQUEST FORM". The DA Form 2028 is located in the ONLINE FORMS PROCESSING section of the AEPS. Fill out the form and click on SUBMIT. Using this form on the AEPS will enable us to respond quicker to your comments and better manage the DA Form 2028 program. You may also mail, fax, or e-mail your letter or DA Form 2028 direct to: AMSTA-LC-CI/ TECH PUBS, TACOM-RI, 1 Rock Island ARSENAL, IL 61299-7630. The e-mail address is TACOM-TECH-PUBS@ria.army.mil. The fax number is DSN 793-0726 or commercial (309) 782-0726.

This manual supersedes TM 9-1005-303-14, dated 29 July 1968, including all changes.

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TABLE OF CONTENTS

WP Sequence No.

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WP Sequence No.

HOW TO USE THIS MANUAL

GENERAL. In order to use this manual efficiently, there are several things you need to know.

- All references in the manual are to work packages or to another manual.
- Whenever the male gender is mentioned (i.e., crewman, repairman) in the manual, it also pertains to females.
- Procedures apply to all models unless otherwise noted.

INDEXES. This manual is organized to help you quickly find the information you need. There are several useful indexes.

- Table of Contents. Lists in order all chapters, work packages, and appendixes.
- Nomenclature Cross Reference List. Gives an alphabetical list of the common names that are substituted for the official nomenclature in the manual.
- Chapter Overviews. Summarize material covered in the chapter.
- Troubleshooting Symptom Index. Lists in alphabetical order parts of the weapon with possible malfunctions. References work package pages of the troubleshooting table.
- Alphabetical Index. Located at the end of the manual. An extensive subject index for everything in the manual. It gives work package references.

MAINTENANCE PROCEDURES. There are two maintenance chapters, one for unit and one for direct support. Each has an initial setup containing a list of the following things you will need in order to do your maintenance task.

- Tool and Special Tools. List tool kit and tools not found in your tool kit.
- Material/Parts. Lists expendable/durable materials and 100% replaceable parts. A part number or work package reference follows each material or part. If more than one part is needed, the quantity needed will follow the part number or reference.
- References. List other publications containing necessary information.
- Equipment Condition. Lists conditions to be met before starting a procedure. The reference following the condition is the work package reference to instructions for setting up the condition.
- Maintenance Procedures. Step-by-step illustrated procedures for maintenance authorized by the Maintenance Allocation Chart (MAC), WP 0034 00.

CHAPTER 1

GENERAL INFORMATION

GENERAL INFORMATION

CHAPTER OVERVIEW. This chapter contains general information, equipment description and data, and principles of operation for the shotgun.

SCOPE

Type of Manual: Operator, Unit, and Direct Support Maintenance

Equipment Number and Model Number: Mossberg12- Gauge Shotgun Model 500 and Mossberg 12- Gauge Shotgun Model 590.

Purpose of Equipment: To provide repeating weapon fire for offensive and defensive purposes.

MAINTENANCE FORMS, RECORDS, AND REPORTS. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, Functional users Manual for the Army Maintenance Management System (TAMMS). Marine Corps users refer to TM 4700-15/1, Ground Equipment Record Procedures.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR). If your shotgun needs improvement, let us know. Send us and 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. Put in an SF 368 (Product Quality Deficiency Report). Mail it to Commander, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-QAW-A (R), 1 Rock Island Arsenal, Rock Island, IL 61299-7300. We'll send you a reply

CORROSION PREVENTION AND CONTROL (CPC). Corrosion prevention and control of material is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent the problem in future items. 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. If a corrosion problem is identified, it can be reported using SF 368 Product Quality Deficiency Report. 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 Commander, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-QAW-A/Customer Feed back Center, 1 Rock Island Arsenal, Rock Island, IL 61299-7300.

DESTRUCTION OF MATERIEL TO PREVENT ENEMY USE. Procedure and materials used for the destruction of the machine gun to prevent enemy use will be found in TM 750-244-7.

PREPARATION FOR STORAGE AND SHIPMENT. Not applicable.

GENERAL INFORMATION (cont)

LIST OF ABBREVIATIONS AND ACRONYMS

This list includes nomenclature cross-references used in this manual.

Common Name	Official Name
Action lock	Action bar lock
Action slide assembly	Fore End Tube Assembly; Grip Assembly; Slide Arm Extension
Barrel	Shotgun barrel
Barrel Assembly	Barrel and Bayonet Band Assembly; Barrel Group; Shotgun Barrel
Butt Plate	Recoil Pad; Shoulder Butt Plate
Cartridge Extractor Pin	Cartridge Extractor
Cartridge Extractor Spring	Cartridge Extractor
Cartridge Follower	Magazine Follower
Firing Pin Collar	Tool Holder Cutter Bit
Firing Pin Retaining Pin	Cartridge Extractor
Firing Pin Extractor Spring	Fire Pin Extractor
Fore End Assembly	Fore End Group
Front Swivel Assembly	Special Cap
Magazine Cap	Machine screw; Tube Cap
Magazine Spring	Helical Compression Spring
Magazine Tube	Metal tube Assembly; Shotgun Magazine Tube
Rear Swivel Assembly	Small Sling Swivel; Special Cap
Receiver Assembly	Receiver and Magazine Group
Shotgun Slide Grip	Gun Fore End Stock; Shotgun Grip
Slide Tube Nut	Grip Adapter; Retaining Ring Extension; Tube Cap
Stock	Buttstock Assembly; Shoulder Gun Stock (233103; 7440)
Stock Assembly	Shoulder Gun Stock (30515); Stock
Trigger Assembly	Trigger guard Assembly; Trigger housing Assembly; Trigger plate Assembly

QUALITY OF MATERIAL

Material used for replacement, repair, or modification must met the requirements of this manual. If the quality of material requirements is not stated in the manual, the material must meet the requirements of the drawings, standards, specifications, or approved engineering change proposals applicable to the subject equipment.

SAFETY, CARE AND HANDLING

To ensure safety, read the warning page at the front of this manual. Pay close attention to the warnings and cautions that appear in this manual where special care and attention are required. For ammunition care and handling, refer to PAM 385-64.

NUCLEAR, BIOLOGICAL, AND CHEMICAL (NBC)

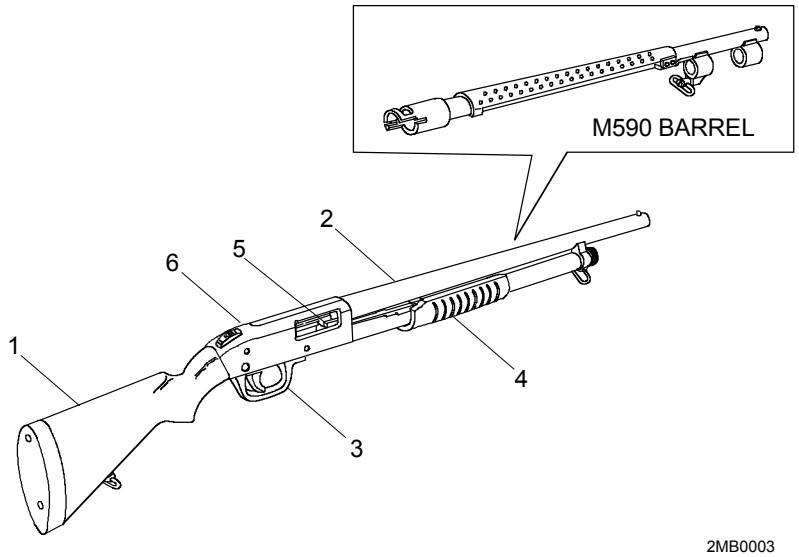
General procedures can found in FM 3-4, FM 3-5, and 3-87.

EQUIPMENT DESCRIPTION AND DATA

EQUIPMENT CHARATERISTICS, CAPABLITIES, AND FEATURES.

The shotgun is manually operated, repeating, magazine fed, shoulder fired weapon.

LOCATION ANS DESCRIPTION OF MAJOR COMPONENTS



STOCK ASSEMBLY (1) - The stock is an extension of the receiver group and provides a support to the shoulder fired weapon.

SHOTGUN BARREL (2) - Barrel provides path for projectiles. The front sight serves as an aiming device.

TRIGGER HOUSING ASSEMBLY (3) - The trigger guard assembly houses the components required to provide locking, initial feeding, loading, firing, and safety functions of the weapon.

GUN FORE END (4) - The slide arm extension is used to open and close the breech bolt group, permitting loading and firing of the weapon and extraction and ejection of spent cartridges.

BOLT ASSEMBLY (5) - The bolt assembly feeds and locks the round in the chamber. The firing pin detonates the primer to fire the weapon. The fired round is removed from the chamber by the extractor.

RECEIVER ASSEMBLY (6) - Receiver and magazine group. The magazine tube serves as a retainer for the fore end assembly and provides a storage area for the cartridges. The receiver houses the cartridge ejector and serves as support for all major groups and assemblies of the weapon.

DIFFERENCES BETWEEN MODELS

The Mossberg Model 590 has a detachable heat shield.

EQUIPMENT DESCRIPTION AND DATA (cont)

EQUIPMENT DATA

MOSSBERG, MODEL 500

Gauge of bore	12 gauge
Choke	Cylinder
Type of action	Pump
Type of firing mechanism	Internal hammer
Magazine capacity	5 rounds
Total capacity (with cartridge in chamber)	6 rounds
Operation	Manual
Cooling	Air
Length (Barrel)	18.5 in.
Length (Shotgun)	39.5 in.
Weight of shotgun (approx)	7.0lb (3.2kg)
Ammunition	12 gauge, 2-3/4in. - No.00 buckshot or Chilled shot as authorized
Safety	Top of receiver

MOSSBERG, MODEL 590

Gauge of bore	12 gauge
Choke	Cylinder
Type of action	Pump
Type of firing mechanism	Internal hammer
Type of magazine	Tubular
Magazine capacity (3 in. cartridges)	7 rounds
Total capacity (with cartridge in chamber)	8 rounds
Operation	Manual
Cooling	Air
Length (Barrel)	20 in. (51cm)
Length (Shotgun) (approx.)	40.5 in (102.9 cm)
Weight of unloaded shotgun (approx.)	8.0 lbs (3.6 kg)
Ammunition	12 gauge, 2 3/4 in. - No. 00 buckshot or Chilled shot as authorized
Safety	Top of receiver

THEORY OF OPERATION

Pulling the trigger, sliding the fore end to the rear to open the action, and sliding the fore end forward again to close the action complete the entire operation of the shotgun. The fore end is mounted on double action bars and fully controlled by the operator. With the magazine fully loaded and one shell in the barrel chamber locked up, the shotgun is ready to fire.

CHAPTER 2

OPERATOR INSTRUCTIONS

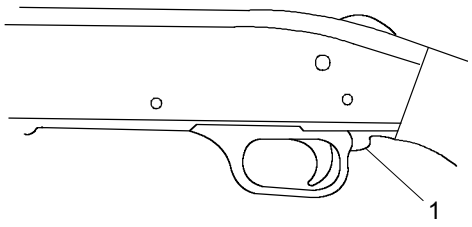
OPERATOR'S CONTROLS AND INDICATORS

NOTE

Controls/indicators function the same on both Mossberg Model 500 and Model 590.

ACTION LOCK LEVER

This lever (1) allows the action to be unlocked without engaging the trigger.



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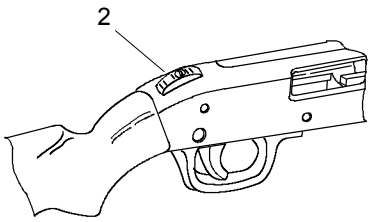
WARNING

If red is shown to the rear of the safety switch, weapon can be fired.
Safety "ON" (safety switch to the rear) indicates "SAFE", safety "OFF" (safety switch forward) indicates "FIRE".

SAFETY

When in the rear (ON) position, the safety (2) prevents the firing of the weapon.



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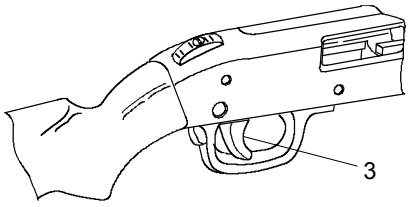
TRIGGER

The trigger (3) controls the firing of the weapon.



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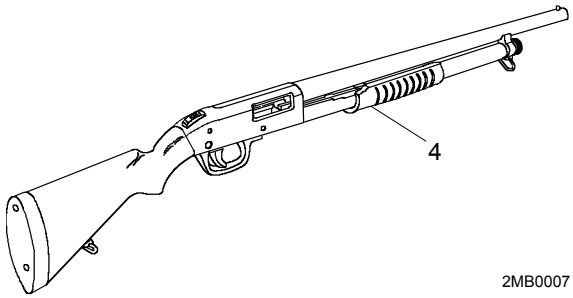
OPERATOR'S CONTROLS AND INDICATORS (cont)

FORE END

The fore end (4) is found forward of the receiver below barrel. Slide the action forward and rearward to chamber live cartridges and eject spent cartridges.

NOTE
Model M500 shown for illustration purposes.



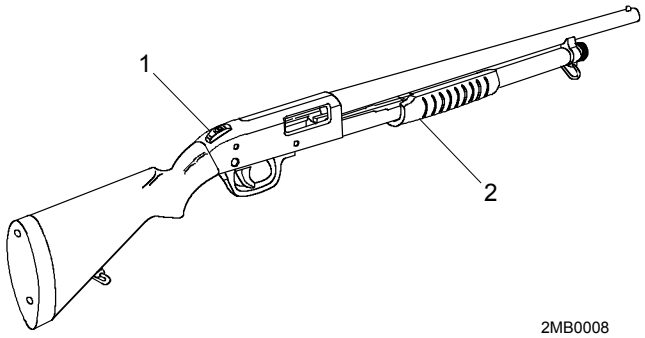
OPERATION UNDER USUAL CONDITIONS – OPERATING PROCEDURES

LOADING

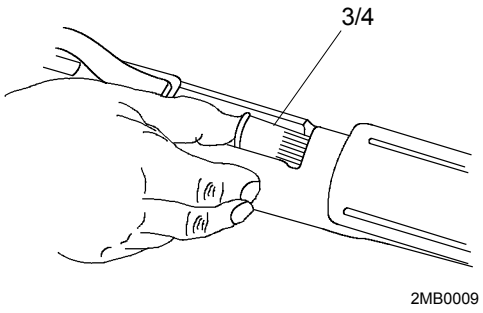
NOTE
The safety will be found on the top of the receiver.

Move safety switch (1) fully rearward to “SAFE” position.

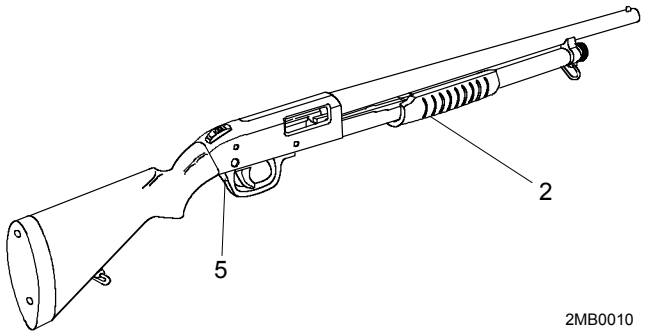
Assure fore end (2) is fully forward.



Turn shotgun over and insert cartridge (3) into magazine (4) until magazine is fully loaded.



Depress action lock (5) and move fore end (2) fully to the rear and forward again, chambering the first round. Another round can be added to the magazine if desired.



**OPERATION UNDER USUAL CONDITIONS –
OPERATING PROCEDURES (cont)**

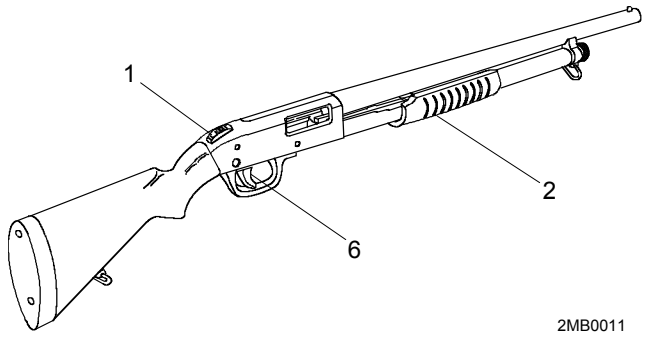
FIRING

Point shotgun down range in a safe direction.

Move safety switch (1) forward to fire position.

Aim and fire by pulling the trigger (6).

Slide fore end (2) back and forth once to close action and load cartridge into chamber. Repeat to continue firing.



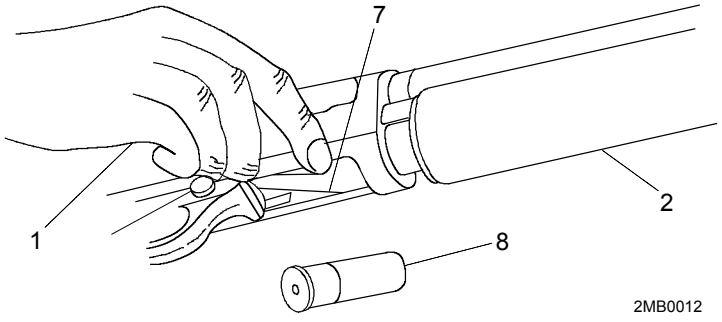
REMOVING CARTRIDGES FROM MAGAZINE

Move safety switch (1) fully rearward to “SAFE” position.

Assure fore end (2) is fully forward.

Turn shotgun over, depress shell latch (7), allowing cartridges (8) to slide out of magazine tube.

Remove cartridge from shotgun. Repeat until magazine is empty.



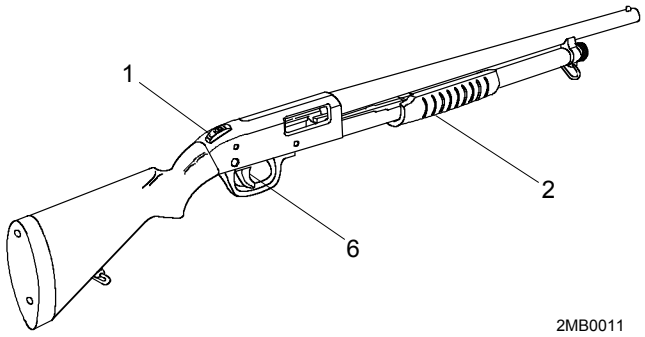
REMOVING CARTRIDGES FROM CHAMBER

Move safety switch (1) fully rearward to “SAFE” position.

Push in action lock (6) and slide fore end (2) to the rear.

Catch ejected cartridge (s) from chamber. Visually inspect the carrier for cartridge(s).

If a cartridge is present on carrier, rotate shotgun to the right and catch cartridge from the ejection port.



END OF WORK PACKAGE

OPERATION UNDER USUAL CONDITIONS – STOPPAGE OR STUCK CARTRIDGE

STOPPAGE

If stoppage occurs when firing:

- Put the weapon on safe and cycle the weapon.
- Observe if cartridge has been ejected; check to see if cartridge is stuck in the weapon. If cartridge is stuck in the weapon perform stuck cartridge procedures.
- Check to see if weapon is out of ammunition, reload and continue firing.

STUCK CARTRIDGE

If stuck cartridge occurs during firing:

- Put the weapon on safe.
- Unload the weapon (WP 0005 00) keeping the weapon pointed in a safe direction.
- Insert a cleaning rod down the muzzle end of barrel and push the stuck cartridge out f the chamber. Be ready to catch the round.
- Check the primer of the ejected cartridge:

  If the primer has been dented by the firing pin (light strike) dispose of the cartridge in accordance with local procedures.

  If there is no indication of round misfire, reload and try to fire round.

- If the problem continues notify the unit armor for further assistance.

END OF WORK PACKAGE

OPERATION UNDER USUAL CONDITIONS – IMMEDIATE ACTION

Immediate Action is the action performed immediately by the firer any time there is an unscheduled or unanticipated interruption of the shotgun operation. Immediate action should be practiced to the point that it occurs as a reflex action.

WARNING

During immediate action make certain the shotgun is pointed in a safe direction at all times.

To perform immediate action:

- Pull the fore-end rearward.
- Check the ejection port, if a cartridge is ejected push the fore-end forward and attempt to fire again.
- If the weapon still fails to fire, perform remedial action (WP 0008 00).

END OF WORK PACKAGE

OPERATION UNDER USUAL CONDITIONS – REMEDIAL ACTION

Remedial Action is the action performed to remedy a problem and place the shotgun back into operation after immediate action has been performed and proves ineffective.

WARNING

During remedial action make certain the shotgun is pointed in a safe direction at all times.

To perform remedial action:

- Clear the shotgun (WP 0005 00).
- Check the chamber and remove any type of obstruction caused by an empty or ruptured case, live round or forging matter (WP 0006 00).
- Reload magazine tube (WP 0005 00).
- Chamber a cartridge (WP 0005 00).
- Attempt to fire (WP 0005 00).
- Notify unit armorer if remedial action fails to correct problem.

OPERATION UNDER USUAL CONDITIONS – AUTHORIZED AMMUNITION

WARNING

This is the only ammunition authorized for use in your shotgun. If it is not shown, it is not authorized.

Ammunition that fails to fire will be disposed of by authorized procedures.

Table 1. Authorized Ammunition for Mossberg Model 500 and Model 590 Shotguns

MODEL	CAPACITY (with one in chamber)	LETHAL	NON-LETHAL	IDENTIFICATION
500 and 590	6/5 8	# 00 BUCKSHOT M162 # 7 1/2 SHOT # 9 SHOT	M1012 Point Control M1013 Crowd Dispersal	LETHAL -2-3/4” NON-LETHAL – 3”
500 and 590	6/7 8	M1030 Breeching Cartridge		LETHAL -2-3/4”
500 and 590	6 8		MK242 MOD 0 Dummy Cartridge	INERT –2 3/4”

Protect ammunition from mud, sand, and water. If the ammunition gets wet or dirty, wipe it off at once with a clean, dry, rag (item 7, WP 0045 00). Wipe off light corrosion as soon as it is discovered. Turn in heavily corroded cartridges.

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.

Do not oil or grease ammunition. Dust and other abrasives that collect on greasy ammunition may cause damage to the operating parts of the machine gun. Moreover, oiled cartridges produce excessive chamber pressure.

Do not fire dented cartridges or otherwise defective rounds.

For information on care, handling, preservation and packing of ammunition refer to WP 0031 00.

END OF WORK PACKAGE

OPERATION UNDER UNUSUAL CONDITIONS

EXTREME COLD (BELOW 32^{O} F (O^{O} C)

NOTE

If weapons are exposed to temperatures changing quickly from warm to cold, condensation may form causing rusted parts

If weapons are exposed to conditions that cause condensation, wipe condensation from exposed metal surfaces, and lubricate weapon. Ensure weapon function after exposure to extreme weather changes.

HOT AND HUMID OR SALTY AIR

Inspect shotgun frequently for rust. Lightly oil metal parts.

HOT AND DRY

Clean shotgun daily (or more often if needed).

In sandy or dusty areas, wipe shotgun free of oil to prevent sand and dust from collecting on the surface and on moving parts.

IMMERSION IN WATER

Drain water out of shotgun.

Unload shotgun.

If possible, wipe ammunition dry.

Field strip, wipe dry, and lube shotgun as soon as possible.

Clean and lubricate weapon, notify unit maintenance.

END OF WORK PACKAGE

OPERATOR TROUBLESHOOTING PROCEDURES

This work package contains unit-troubleshooting information for locating and correcting most of the operating troubles that may develop in the shotgun. Each malfunction for a part, assembly, or subassembly is followed by a list of tests or inspections, which will help you to determine corrective actions to take. You should perform the tests/inspections and corrective actions in the order listed.

This manual cannot list all possible malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed (except when malfunction or cause is obvious) or is not corrected by listed corrective actions, notify direct support maintenance.

TROUBLESHOOTING PROCEDURES

Refer to symptom index or troubleshooting table for malfunctions, tests/inspections, and corrective action.

SYMPTOM INDEX

OPERATOR TROUBLESHOOTING PROCEDURES (cont)

Table 1. Operator Troubleshooting Procedures

SYMPTOM

Shotgun will not fire.

MALFUNCTION

Safety is in rearward “SAFE” position.

CORRECTIVE ACTION

Move safety to forward “FIRE” position.

MALFUNCTION

No ammunition in chamber or magazine.

CORRECTIVE ACTION

Load shotgun.

MALFUNCTION

Chamber is empty.

CORRECTIVE ACTION

Pump cartridge into chamber.

MALFUNCTION

Ammunition is faulty.

CORRECTIVE ACTION

Remove defective cartridges and use new ammunition.

MALFUNCTION

Firing pin and/or extractors are burred, excessively worn or broken.

CORRECTIVE ACTION

Notify unit maintenance.

MALFUNCTION

Bolt assembly will not slide forward by pushing fore end forward.

CORRECTIVE ACTION

If fore end will not slide forward, notify unit maintenance.

SYMPTOM

Shotgun fails to load or feed.

MALFUNCTION

Obstruction in chamber.

CORRECTIVE ACTION

Remove obstruction in chamber.

MALFUNCTION

Foreign material in magazine tube and in the left and right slide arm supports of the action slide.

CORRECTIVE ACTION

Remove foreign matter. Clean and lube weapon.

SYMPTOM

Operation is sluggish.

MALFUNCTION

Weapon is dirty, lacks of lubrication, and/or has carbon or burrs.

CORRECTIVE ACTION

Clean and lubricate shotgun.

SYMPTOM

Ammunition double feeds.

MALFUNCTION

Cartridge stop or cartridge interrupter bent or missing.

CORRECTIVE ACTION

Notify unit maintenance.

SYMPTOM

Cartridge fails to extract or eject.

MALFUNCTION

Extractor or ejector are burred, broken or missing.

CORRECTIVE ACTION

Notify unit maintenance.

END OF WORK PACKAGE

PREVENTIVE MAINTENANCE CHECKS AND SERVICES - OPERATOR

GENERAL

This work package applies to all shotguns found in this manual.

Your PMCS table has been provided so you can keep your equipment in good operating condition and ready for its primary use. Refer to the chapter for your mount for specific requirements.

INTRODUCTION TO PMCS TABLE

WARNINGS AND CAUTIONS

Always observe WARNINGS and CAUTIONS appearing in your PMCS table BEFORE, DURING, and AFTER you operate your equipment. The warning and cautions appear before certain procedures. You must observe these WARNINGS and CAUTIONS to prevent injury to yourself and others or to prevent your equipment from being damaged.

EXPLANATION OF TABLE ENTRIES

Item Number Column. Numbers in this column are for reference. When completing DA Form 2404, Equipment Inspection and Maintenance Worksheet, include the item number for the check/service indicating a fault. Item numbers also appear in the order that you must do checks and services for the intervals listed.

Interval Column. This column tells you when you must do the procedure in the procedure column. BEFORE procedures must be done before you operate or use the equipment for its intended mission. DURING procedures must be done during the time you are operating or using the equipment for its intended mission. AFTER procedures must be done immediately after you have operated or used the equipment.

Man-hour Column. This column shows man-hours required to complete all prescribed lubrication services, stated to the nearest tenth of an hour.

Item to be Checked Column. This column provides the location and the item to be checked or serviced.

Procedure Column. This column gives you the procedure you must do to check or service the item listed in the Item to Check/Service column to determine if the equipment is ready or available to perform its intended mission or for operation. You must do the procedure at the time stated in the interval column.

“Not Fully Mission Capable If:” Column. Information in this column tells you what faults will keep your equipment from being capable of performing its primary mission. If you make check and service procedures that show faults listed in this column, do not operate the equipment. Follow standard operating procedures for maintaining the equipment or reporting equipment failure.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES - OPERATOR

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 that it is empty. Check to see that there are no obstructions in the barrel.

GENERAL: Inspect all assemblies for missing, broken, or loose parts. Inspect parts for cracks, dents, burrs, excessive wear, rust, or corrosion. Make sure all parts are cleaned and lubricated. Do not use cleaning solvents or lubricants on any composite/rubber components. Inspect external surfaces for adequate finish. Refinish if necessary using solid film lubricant (item 4, WP 0047 00). Repair or replace authorized defective parts or notify direct support maintenance if repair or replacement is not authorized.

Table 1. Operator Preventive Maintenance Checks and Services

Item	Interval	Man-Hours	Item to be Checked	Procedures	Not Fully Mission Capable if:
1	B/A		Shotgun	Check for missing pins, screws, and locking caps.	Pins, screws, and locking caps are missing.
	B/A			Check overall finish on metal surfaces.	1/3 of receiver finish is missing (shiny).
2	B		Safety	Cock shotgun. Move safety rearward to “SAFE” position and pull trigger.	Hammer releases and strikes firing pin.
3	B/A		Action Lock	Depress action lock. Fore end should slide back smoothly.	Fore end does not move.
4	B/A		Trigger	Move safety forward to “FIRE” position and pull trigger.	Hammer does not release.
5	B/A		Barrel	Check bore and chamber for obstructions and abnormalities.	Obstruction in bore or barrel is damaged.
				Check barrel for looseness.	Barrel is loose.
				Inspect barrel for rust, cracks, dents, and bulges.	Barrel is rusted, cracked, dented, or bulging.
				Check barrel for straightness.	Barrel is noticeably bent.
6	B/A		Fore End and Stock	Inspect parts for cracks and holes.	Fore End or Stock is cracked or broken.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES - OPERATOR (cont)

Table 1. Operator Preventive Maintenance Checks and Services (cont)

Item	Interval	Man-Hours	Item to be Checked	Procedures	Not Fully Mission Capable if:
7	B/A		Recoil Pad	Inspect for deterioration.	Recoil pad is pitted, split, or missing.
8	B/A		Front Sight	Inspect for missing front bead.	Front sight missing or loose.
9	B/A		Sling and Swivels	Sling or swivel(s) are present and function properly.	Sling or swivel(s) are missing; do not function properly.

END OF WORK PACKAGE

**OPERATOR MAINTENANCE –
FIELD STRIPPING**

DISASSEMBLY

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 that it is empty, and check to see that there are no obstructions in the barrel.

Move the safety (1) to “SAFE” (fully to the rear).

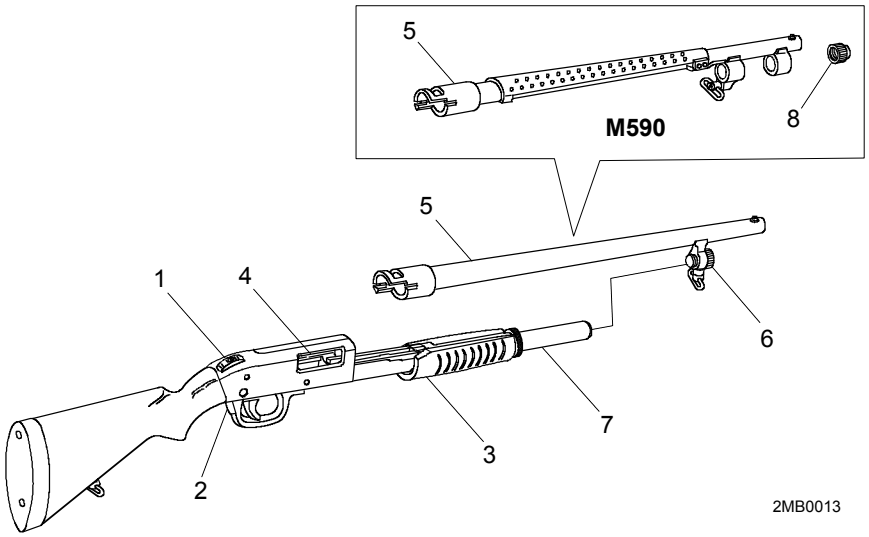
Depress the action lock lever (2) and open the action by sliding the forearm fully rearward.

Move the forearm (3) slowly forward from the rearward position until the front of the bolt is in the middle of the ejection port (4).

Unlock barrel assembly (5) by turning the takedown screw assembly (6) counterclockwise until screw threads are completely disengaged from the end of the magazine tube (7) (Model 500 only).

Unlock barrel assembly (5) by turning magazine cap (8) counterclockwise until screw threads are completely disengaged from the end of the magazine tube (7) (Model 590 only).

Remove the barrel (5) from the receiver with a gentle back and forth rotational movement while pulling the barrel from the receiver assembly.



**OPERATOR MAINTENANCE –
FIELD STRIPPING (cont)**

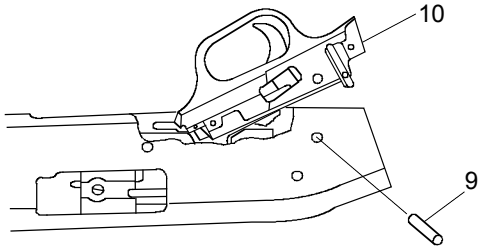
DISASSEMBLY (cont)

CAUTION

Do not allow the hammer to fall when removing the trigger group from the receiver. To do so may result in personal injury or damage to equipment.

Position the shotgun on a clean surface with the trigger guard upward.

Push out trigger housing retainer pin (9) from the receiver. Rotate the rear of the trigger mechanism (10) upward and remove the trigger mechanism (10) from the receiver.



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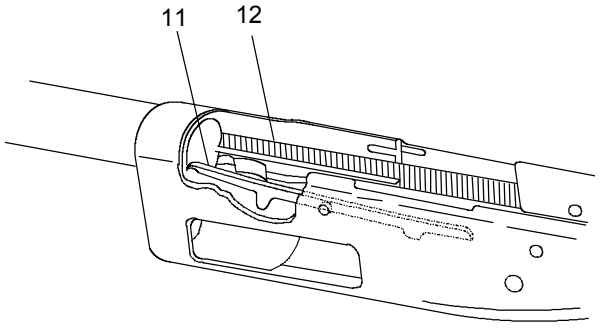
Remove cartridge interrupter (11) from the ejection port side of the receiver.

Remove the cartridge stop (12) from the opposite side of the receiver.



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NOTE

Note the position of the bolt (13); bolt slide (14) and action bar assembly (16), as these parts must be in the same relationship during assembly.

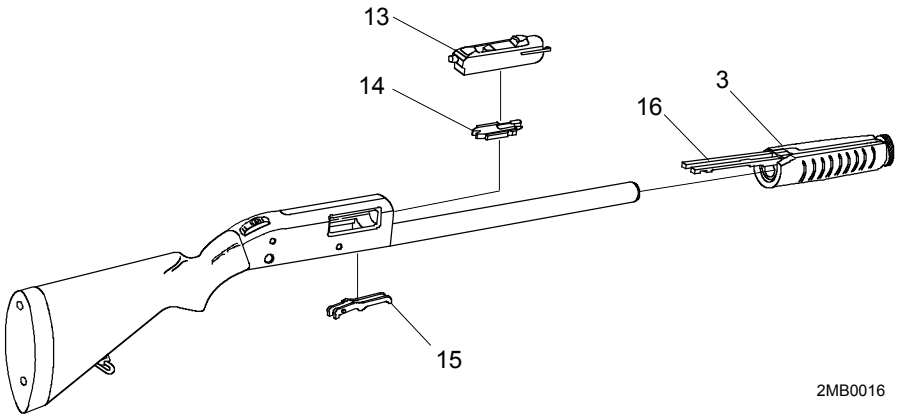
Move the forearm/action slide assembly rearward until the bolt assembly (13) and bolt slide (14) are three quarters of the way rearward.

When the bottom of the bolt slide (14) is aligned with the clearance cuts in the side of the receiver, lift the bolt slide upward and out of the receiver.

Remove fore end assembly (3) from magazine tube.

Push bolt (13) out the front of the receiver assembly.

Compress and remove elevator (15) from receiver.



Further disassembly of components is not authorized.

ASSEMBLY

Ensure the safety (1) is in “SAFE” (fully to the rear).

Insert compressed elevator (15) into receiver.

Depress ejector and insert bolt (13) into receiver.

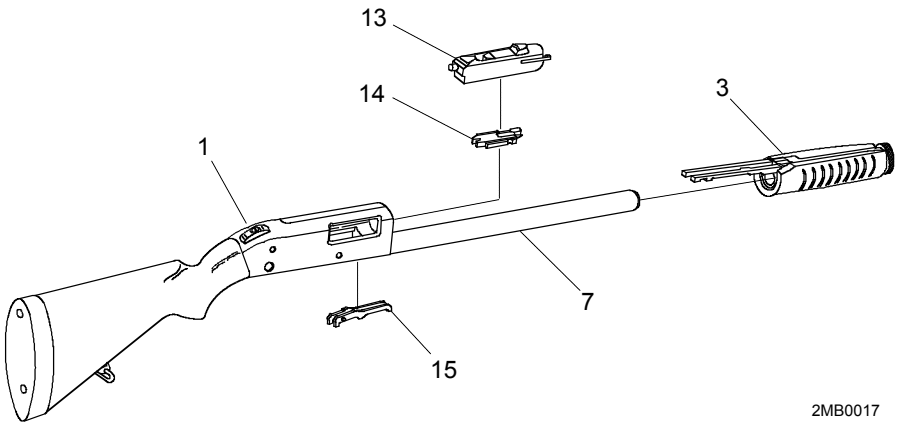
Push sides of elevator (15) down beside the bolt and slide the bolt (13) back.

Install fore end assembly (3) over magazine tube (7). Insert action bars (16) into slots in the front of the receiver on either side of the magazine tube (6).

NOTE

Moving the fore end assembly (3) approximately three quarters of the way forward will ease installation of the bolt slide (14).

Insert bolt slide (14), lower the front end and insert rear end first so lug fits in slot in bolt lock and is retained by the action bar.



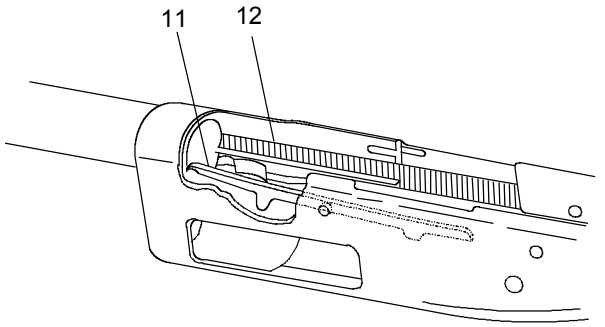
**OPERATOR MAINTENANCE –
FIELD STRIPPING (cont)**

ASSEMBLY (cont)

Push down bolt slide (14) and move action slide (3) to rear until engaged.

Move the bolt (13), bolt slide (14), and action (3) forward.

Insert interrupter (11) and cartridge stop (12).



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NOTE

Hammer must be in the fully cocked position to allow the trigger housing to be inserted in the receiver.

Hold the cartridge stop (12) and cartridge interrupter (11) in place firmly against the receiver walls with one hand and grasp the trigger mechanism assembly (10) with the other.

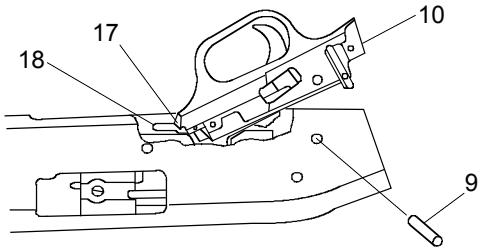
Insert the lugs (17) on each side of the front cover of the trigger mechanism (10) into the slots (18) on each side of the receiver.

Ease the rear of the trigger mechanism (10) down and into position. DO NOT FORCE!

NOTE

If the trigger mechanism (10) does not fit into place easily, check that all internal pins in the trigger mechanism (10) are flush with the side of the housing and that the cartridge stop and cartridge interrupter are positioned correctly.

Align the trigger mechanism pin hole in the trigger mechanism with those in the receiver and insert the trigger housing retainer pin (9) until fully flush on both sides.



WARNING

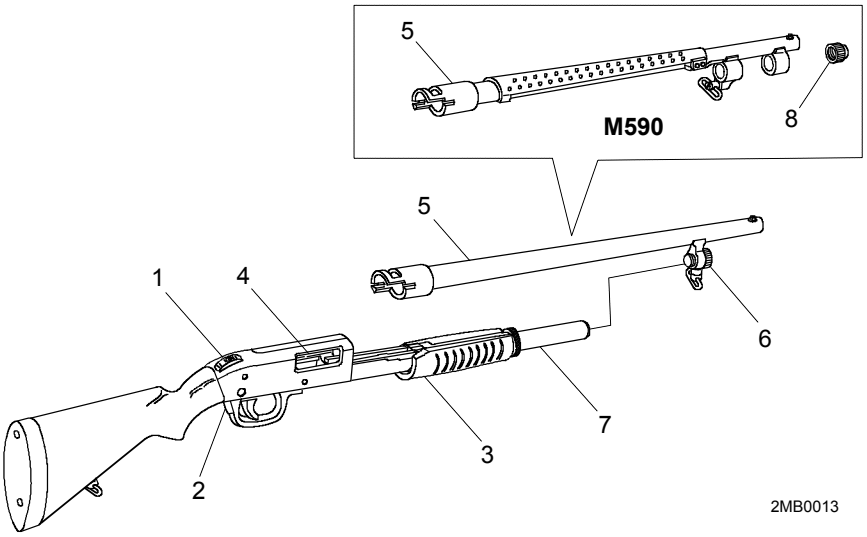
Visually inspect the inside of the barrel to ensure it is free of obstructions, excessive oil or grease. Failure to do so may result in personal injury or damage to the weapon when the weapon is fired.

Depress the action lock lever (2) and move the forearm (3) rearward until the front of the bolt is in the middle of the ejection port (4).

NOTE

Be sure the barrel is firmly seated to the receiver by looking through the ejection port. The barrel extension must rest firmly against the corresponding cut in the top of the receiver.

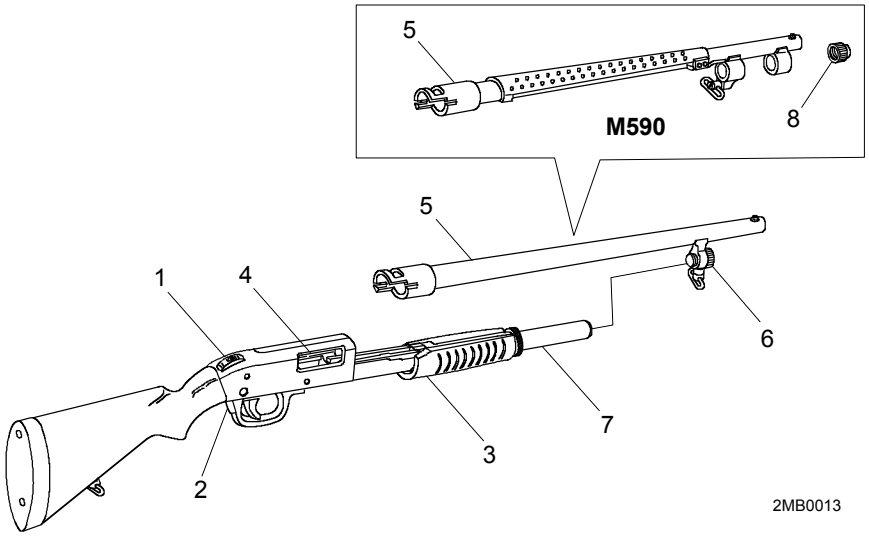
Slide the barrel (5) into the receiver and tighten the takedown screw (6) fully clockwise finger tight only (Model 500 only).



**OPERATOR MAINTENANCE –
FIELD STRIPPING (cont)**

ASSEMBLY (cont)

Slide the barrel (5) into the receiver and tighten the magazine cap (5) fully clockwise finger tight only (Model 590 only).



Perform safety/function check (WP 0017 00).

END OF WORK PACKAGE

OPERATOR MAINTENANCE – CLEANING

Cleaning should be performed:

- After each firing.
- After any exposure to extreme environmental conditions.
- Minimum of every 30 days.

BOLT ASSEMBLY

Use bore cleaning brush with bore cleaning solution. Clean all carbon and powder residue from the extractor and bolt face.

Carefully clean under the hooks of the extractors.

Wipe with clean, dry wiping rag (item 7, WP 0047 00).

BARREL

Use bore cleaning brush with bore cleaning solution.

Wipe the barrel chamber and bore using a clean, dry patch.

Using a cleaning rod with clean dry patch for each pass through the barrel. Continue process until the patch comes out clean.

METAL SURFACES

Using a fiber or nylon brush and cleaning solvent (item 3, WP 0047 00) clean all metal surfaces.

Wipe with clean, dry wiping rag (item 7, WP 0047 00).

RUBBER OR COMPOSITE SURFACES

Clean with soap and water. Wipe dry with clean, dry wiping rag (item 7, WP 0047 00).

LUBRICATION

Lubricate all metal surfaces in accordance with WP 0016 00.

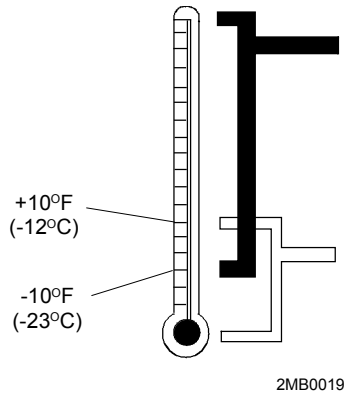
END OF WORK PACKAGE

**OPERATOR MAINTENANCE –
LUBRICATION**

Under all but the coldest artic conditions, LSA (item 6, WP 0047 00) or CLP (item 2, WP 0047 00) are the lubricants to use on your shotgun. Remember to remove excessive oil from the bore before firing.

NOTE

Lubrication instructions are mandatory. Do not mix lubricants on the same weapon. The weapon must be thoroughly cleaned during change from one lubricant to another. Cleaning solvent (available to unit maintenance) is recommended for cleaning during change from one lubricant to another. Only lubricants and cleaners specified in this manual are authorized for use on this weapon.



CLP –Cleaner, lubricant and preservative (item 2, WP 0047 00).

LSA – Weapons lubricating oil, semi-fluid (item 6, WP 0047 00).

Between 10°F (-12°C) and –10°F (-23°C) use CLP, LSA or LAW. Below –10°F (-23°C) use only LAW.

LAW – Weapons lubricating oil, artic (item 5, WP 0047 00).

Lightly lube – A film of oil barely visible to the eye.

After firing, field strip your shotgun (WP 0014 00).

Clean in accordance with WP 0015 00.

Wipe dry and lube as required. Inspect and run a lightly oiled swab (item 9, WP 0047 00) through the bore and chamber.

If your shotgun isn't used, it still needs complete cleaning and lubing at least every 30 days. (Unusual conditions could shorten this interval.)

END OF WORK PACKAGE

FUNCTION CHECK

A safety/function check should be performed anytime the shotgun is reassembled. This check will indicate whether the shotgun has been properly assembled.

A properly executed safety/function check can also reveal many obvious malfunctions that can occur.

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 that it is empty, and check to see that there are no obstructions in the barrel.

Clear the shotgun (WP 0004 00).

Move the safety rearward to the “SAFE” position.

Close the action fully. The action lock should be fully down.

Pull the trigger; the hammer should NOT fall.

Move the safety forward to the “FIRE” position.

Pull the trigger; hammer should fall and the lock lever should be fully up.

Hold trigger to the rear; recock the weapon by moving the forearm fully to the rear and then forward.

Release the trigger; hammer should NOT fall and trigger should return to it forward position.

Pull trigger; hammer should fall and the lock lever should be fully up

Release trigger and recock the weapon by moving the forearm fully to the rear and then forward. The hammer should NOT fall.

Move the safety rearward to the “SAFE” position.

NOTE

Perform the following steps only if DUMMY rounds are available.

Load two DUMMY shot-shells into the magazine tube (WP 0004 00).

Depress the action lever and open the action fully. Dummy shot-shell should feed onto the elevator.

Release action lever and close action fully. Dummy shot-shell should feed into the chamber.

Depress the action lever and open the action fully. The first dummy shot-shell should be extracted and ejected and the second dummy shot-shell should feed onto the elevator.

Release action lock lever and close the action fully. Second dummy shot-shell should feed into the chamber.

Depress the action lever and open the action fully. The second dummy shot-shell should be extracted and ejected.

END OF WORK PACKAGE

CHAPTER 3

UNIT MAINTENANCE

SERVICE UPON RECEIPT OF MATERIEL

Table 1. Service Upon Receipt

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 that it is empty. Check to see that there are no obstructions in the barrel.

LOCATION	ITEM	ACTION	REMARKS
1. Container	Basic Issue Items	Check unpacked equipment. • Inspect the equipment for damage incurred during shipment. If the equipment has been damaged, report the damage on SF 364, Report of Discrepancy (ROD). • Check the equipment against the packing slip to see if the shipment is complete. Report all discrepancies in accordance with instructions of DA PAM 738-750. • Check to see whether the equipment has been modified.	
2. Shotgun	Barrel Assembly	• Remove volatile corrosion inhibitor (VCI) from barrels. Discard.	
	Shotgun	• Field strip weapon and inspect for missing parts. • Clean and lubricate. • Reassemble. • Perform function check (WP 0017 00).	

END OF WORK PACKAGE

UNIT MAINTENANCE INSTRUCTIONS

This work package contains information regarding repair parts, special tools, and support equipment and instructions for service upon receipt, PMCS, and unit maintenance to keep the machine gun in good repair.

COMMON TOOLS AND EQUIPMENT

For authorized common tools and equipment, refer to the Modified Table of Organization and Equipment (MTOE) (WP 0042 00) applicable to your unit.

SPECIAL TOOLS, TMDE, AND SUPPORT EQUIPMENT

There are no special tools for this item. Tools and test equipment are listed in WP 0034 00 of this manual. There is no Test, Measurement, and Diagnostic Equipment (TMDE) for this item.

REPAIR PARTS

Repair parts are listed and illustrated in the repair parts and special tools list (RPSTL) (WP 0036 00 through WP 0042 00) covering unit and direct support maintenance for this equipment.

UNIT MAINTENANCE TROUBLESHOOTING PROCEDURES

This work package contains unit-troubleshooting information for locating and correcting most of the operating troubles that may develop in the shotgun. Each malfunction for a part, assembly, or subassembly is followed by a list of tests or inspections, which will help you to determine corrective actions to take. You should perform the tests/inspections and corrective actions in the order listed.

This manual cannot list all possible malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed (except when malfunction or cause is obvious) or is not corrected by listed corrective actions, notify direct support maintenance.

TROUBLESHOOTING PROCEDURES

Refer to symptom index or troubleshooting table for malfunctions, tests/inspections, and corrective action.

SYMPTOM INDEX

Table 1. Unit Troubleshooting Procedures

SYMPTOM

Shotgun will not fire.

MALFUNCTION

Firing pin well in bolt assembly is obstructed or dirty.

CORRECTIVE ACTION

Notify direct support maintenance.

MALFUNCTION

Firing pin is burred, excessively worn or broken.

CORRECTIVE ACTION

Notify direct support maintenance.

MALFUNCTION

Bolt assembly will not slide forward by pushing fore end forward.

CORRECTIVE ACTION

Clean, lube and reassemble properly. If fore end will not slide forward, notify direct support maintenance.

SYMPTOM

Shotgun fails to load or feed.

MALFUNCTION

Action slide does not function properly.

CORRECTIVE ACTION

If action slide is defective, notify direct support maintenance.

MALFUNCTION

Magazine spring weak or broken

CORRECTIVE ACTION

Notify direct support maintenance.

SYMPTOM

Ammunition double feeds.

MALFUNCTION

Cartridge stop or cartridge interrupter bent or missing.

CORRECTIVE ACTION

Notify direct support maintenance.

SYMPTOM

Cartridge fails to extract or eject.

MALFUNCTION

Cartridge extractors and/or ejector burred, bent, broken or missing.

CORRECTIVE ACTION

Notify direct support maintenance.

END OF WORK PACKAGE

UNIT MAINTENANCE –
PREVENTIVE MAINTENANCE CHECKS AND SERVICES

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 that it is empty. Check to see that there are no obstructions in the barrel.

Table 1. Preventive Maintenance Checks and Services

NOTE

Unless otherwise stated, inspections are quarterly.

Item	Interval	Man-Hours	Item to be Checked	Procedures	Not Fully Mission Capable if:
1	Q		Shotgun	Check for missing pins, screws, and locking caps. Check metal surface finish; touch up if necessary. Check sling for tears or worn webbing. Check for broken or missing swivels. Function check.	Pins, screws, or locking caps are missing. Missing one third or more of its exterior protective finish.

NOTE

Solid Film Lubricant (SFL) is the authorized touchup for the shotgun and may be used on up to one third of the exterior receiver finish of the weapon.

FOR CONUS USE ONLY: Solid Film Lubricant (item 4, WP 0047 00) may be used as a touchup without limitation on the receiver assembly. This is to say that the units which DO NOT fall under the category of Divisional Combat Units of rapid deployment type units may have up to 100% of the exterior surface of the receiver assembly protected with SFL. Prior to application of SFL, the surface must be thoroughly cleaned and inspected for corrosion and/or damage. If corroded or damaged, the part must be repaired or replace prior to application of SFL. Continued use under combat conditions would result in an unprotected surface when the SFL wears off. This would result in a large light reflecting surface and accelerated deterioration of the unprotected surface. Therefore, Divisional Combat Units, and units that fall under the definition of Rapid Deployment type must adhere to the limitation of NOT over one third of their exterior surface covered by SFL.

If the shotgun is missing one third or more of its exterior receiver protective finish, resulting in an unprotected/light-reflecting surface, this missing finish will be considered a shortcoming. This shortcoming requires action to obtain a replacement weapon. Once a replacement has been received, evacuate the original weapon to depot for overhaul.

Table 1. Unit Preventive Maintenance Checks and Services (cont)

Item	Interval	Man-Hours	Item to be Checked	Procedures	Not Fully Mission Capable if:
5	Q		Trigger Guard Pin	Check pin(s) for burrs, bends, and looseness of installation.	Pin(s) are loose or missing.
6	Q		Trigger Assembly	Check trigger assembly for proper operation.	Trigger hangs loose, will not move, or is bent or broken.
7	Q		Carrier	Check carrier for proper operation.	Carrier hangs loose, will not move, or is bent or broken.
8	Q		Magazine Cap	Check magazine cap for proper installation, burrs, and stripped threads.	Threads are stripped; cap is burred, or improperly installed.
9	Q		Barrel	Check barrel for looseness.	Barrel is loose.
				Inspect barrel for rust, cracks, dents, and bulges.	Barrel is rusted, cracked, dented, or bulging.
				Check barrel for straightness.	Barrel is noticeably bent.
10	Q		Butt Stock	Inspect for cracks and breakage; looseness.	Butt plate is loose, cracked or broken; ; creates hazard to shooter.
11	Q		Front Sight	Inspect for looseness or missing front sight.	Sight is loose or missing.
12	Q		Fore End Assembly	Check action slide assembly arms for excessive wear, burrs, and straightness.	Action slide assembly arm s are bent, worn or broken.
				Inspect for cracks.	Structural strength is impaired; create hazard to shooter.

14	Q		Bolt Assembly	Check bolt for freedom of movement.	Bolt will not move.
				Check bolt lock pinhole for burrs, excessive wear, or warping.	Bolt lock pinhole is burred, worn, or warped.
				Check for broken or missing bolt lock.	Pin is broken or missing.
15	Q		Ejector	Check for burrs, excessive wear and straightness.	Ejector s burred, excessively worn, or bent.
16	Q		Receiver	Check that magazine tube is secured to the receiver.	Magazine tube is loose.
				Check tube for dents, burrs, and damage that will restrict the passage of ammunition through the magazine tube.	Magazine tube is dented, burred, or damaged and will not allow the passage of ammunition.
				Check for rust and corrosion.	Tube is rusted or corroded.

END OF WORK PACKAGE

UNIT MAINTENANCE OF
MOSSBERG 12-GAUGE SHOTGUN, MODEL 500, NSN 1005-01-295-1862, P/N MOD500;
MOSSBERG 12-GAUGE SHOTGUN, MODEL 590, NSN 1005-01-251-8578, P/N 52660

This task covers: a. Disassembly b. Inspection/Repair c. Assembly

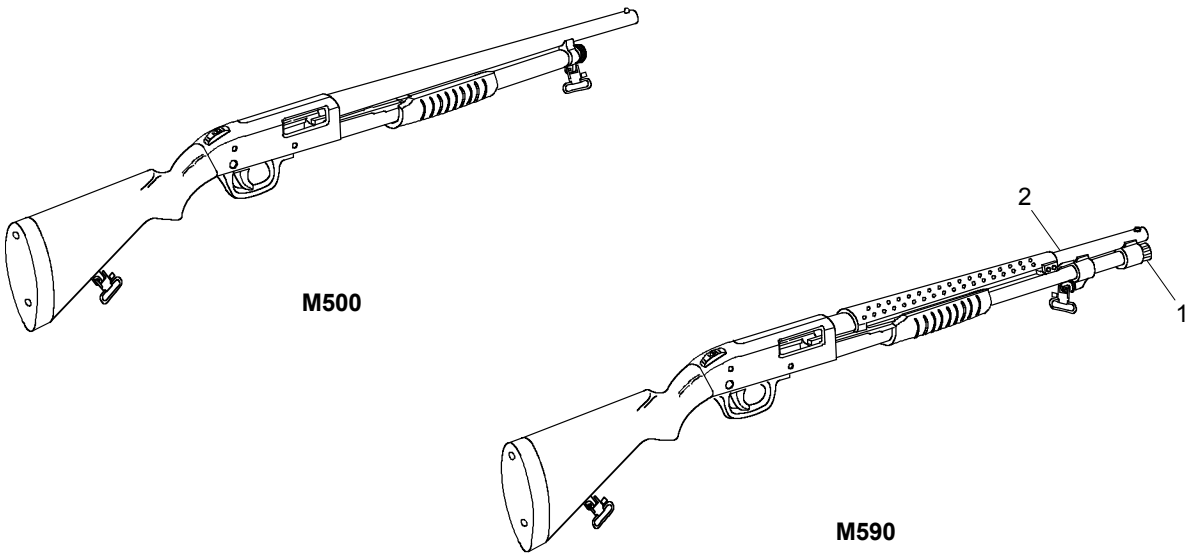
INITIAL SETUP

Tools and Special Tools:
Tool Kit, Small Arms Repairman,
P/N SC 5180-95-B71

Equipment Condition:
Shotgun field stripped (WP 0014 00)

DISASSEMBLY

If damaged, remove magazine cap (1) from barrel assembly (2) (M590 only).



INSPECTION/REPAIR

Check for broken, missing, or damaged parts.

For repair of Fore End Assembly refer to WP 0023 00.

For repair of Barrel Assembly refer to WP 0024 00.

For repair of Stock Assembly refer to WP 0025 00.

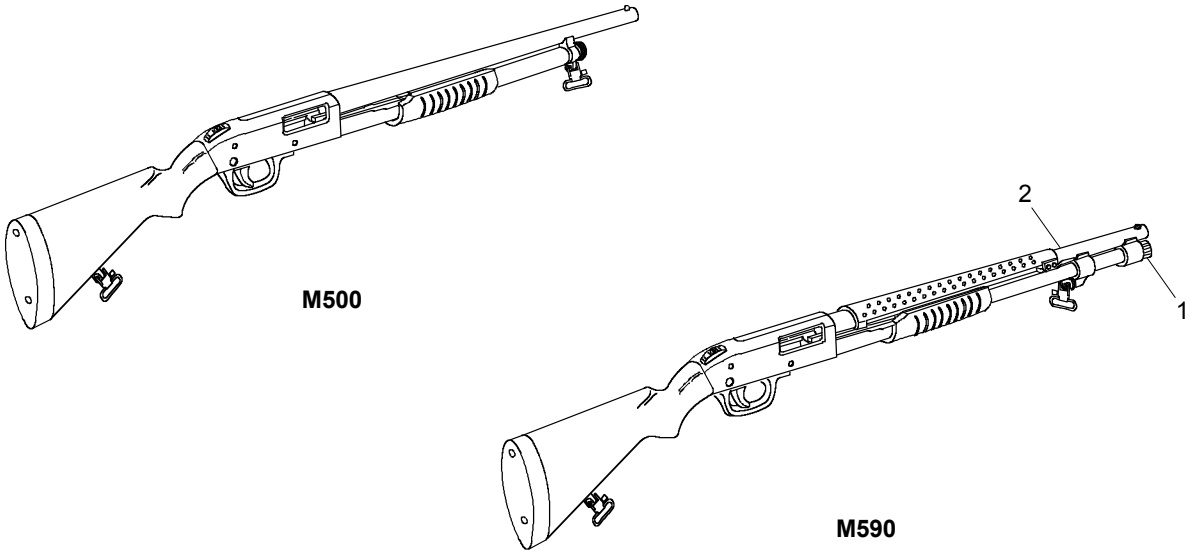
Check for damage to internal threads in magazine cap (1) (M590 only).

Repair is by replacement of authorized parts.

UNIT MAINTENANCE OF
MOSSBERG 12-GAUGE SHOTGUN, MODEL 500, NSN 1005-01-295-1862, P/N MOD500;
MOSSBERG 12-GAUGE SHOTGUN, MODEL 590, NSN 1005-01-251-8578, P/N 52660

ASSEMBLY

If removed, attach magazine cap (1) to barrel assembly (2) (M590 only).



END OF WORK PACKAGE

UNIT MAINTENANCE OF
FORE END ASSEMBLY, NSNA, P/N MOSS-05

This task covers: a. Disassembly b. Inspection/Repair c. Assembly

INITIAL SETUP

Tools and Special Tools:
Tool Kit, Small Arms Repairman, P/N SC 5180-95-B71
Tube Nut Tube (Fig. 1, WP 0030 00)

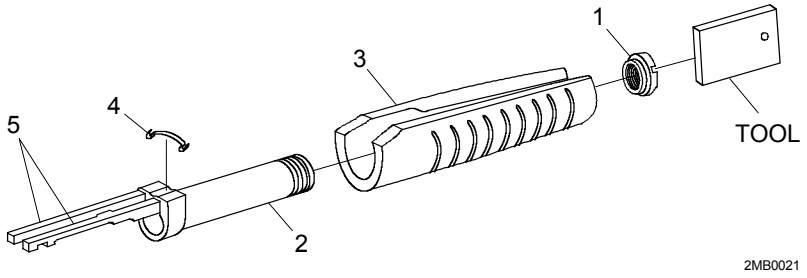
Equipment Condition:
Barrel removed for receiver (WP 0014 00).

DISASSEMBLY

Using tube nut tool, remove slide tube nut (1) from action slide assembly (2).

WARNING
To avoid injury your eyes, use care when removing and installing spring-loaded parts.

Remove shotgun slide grip (3) and anti-rattle spring (4) from action slide assembly (2).



INSPECTION/REPAIR

Check slide tube nut (1) for burred/worn threads.

Check slide grip (3) for cracks or breaks.

Check action slide assembly (2) for bent tube, burred/worn threads; cracked/bent action slide arms (5).

Check anti-rattle spring (4) for deformities that would prevent proper retention.

Repair is by replacement of authorized parts.

ASSEMBLY

WARNING
To avoid injury your eyes, use care when removing and installing spring-loaded parts.

Slide shotgun slide grip (3) onto action slide assembly (2) and install anti-rattle spring (4).

Screw slide tube nut (1) onto action slide assembly (2) and tighten using tube nut tool.

END OF WORK PACKAGE

UNIT MAINTENANCE OF
BARREL ASSEMBLY, NSN 1005-01-512-9286, P/N 3907P AND
BARREL ASSEMBLY, NSNA, P/N 41758

This task covers: a. Disassembly b. Inspection/Repair c. Assembly

INITIAL SETUP

Tools and Special Tools:
Tool Kit, Small Arms Repairman,
P/N SC 5180-95-B71

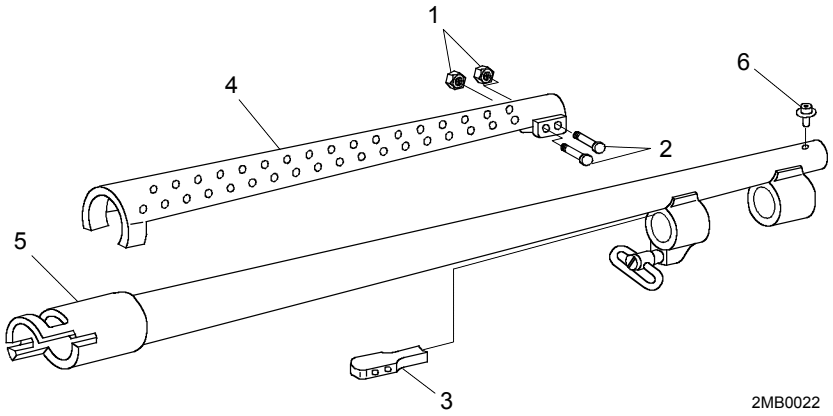
Materials/Parts:
Nut, Self-locking (2), P/N

Equipment Condition:
Shotgun field stripped (WP 0014 00).

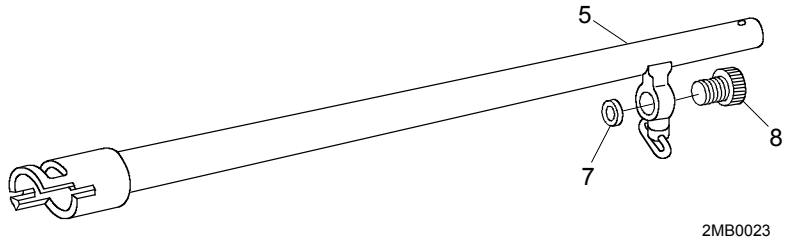
DISASSEMBLY

Remove two self-locking nuts (1), two screws (2), heat shield spacer (3), and heat shield (4) from barrel (5). Discard self-locking nuts (1) (M590 only).

Remove front sight (6) from barrel (5) (both models).



Remove retaining ring (7) and machine screw (8) from barrel (5) (M500 only).



UNIT MAINTENANCE OF
BARREL ASSEMBLY, NSN 1005-01-512-9286, P/N 3907P AND
BARREL ASSEMBLY, NSNA, P/N 41758 (cont)

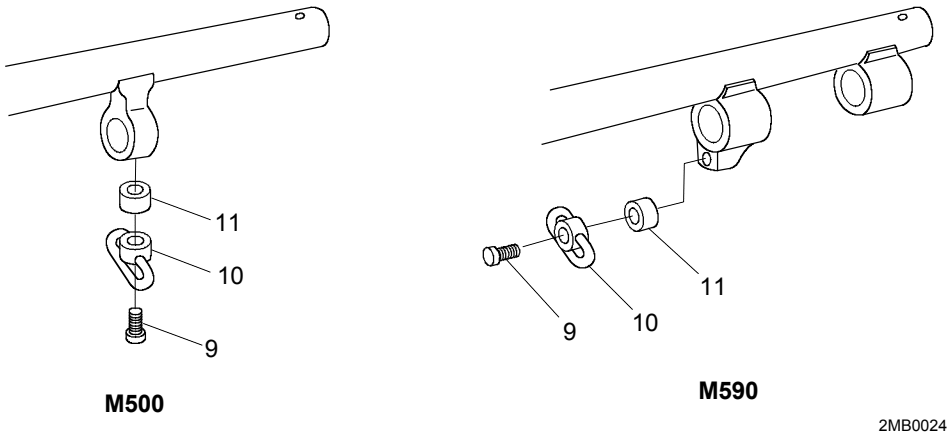
DISASSEMBLY (cont)

NOTE
Remove swivel only if damaged.

Removal of old /new swivel is the same for both models.

OLD STYLE SWIVEL

Remove screw (9), swivel (10), and sleeve bushing (11).



M500 **M590**

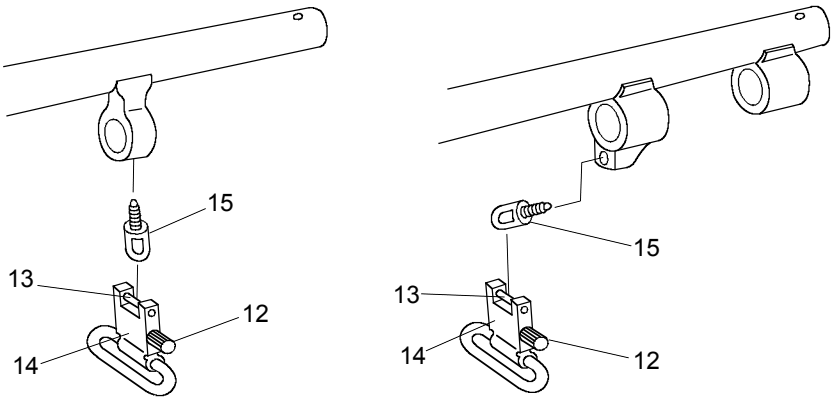
2MB0024

NEW STYLE SWIVEL

Turn locking knob (12) completely counterclockwise.

Push in on knob (12) to release swivel-locking bar (13) and remove sling swivel (14) from swivel post (15).

Turn swivel post (15) counterclockwise to remove.



M500 **M590**

2MB0024A

INSPECTION/REPAIR

Visually check barrel for straightness. If bent, notify direct support maintenance.

Check heat shield for bends/cracks; missing screws or nuts.

Check for missing/bent swivel. If old style swivel is damaged, replace with new style swivel.

Check for damaged sleeve bushing; burred/worn threads of machine screw (M500 only).

Repair is by replacement of authorized parts.

ASSEMBLY

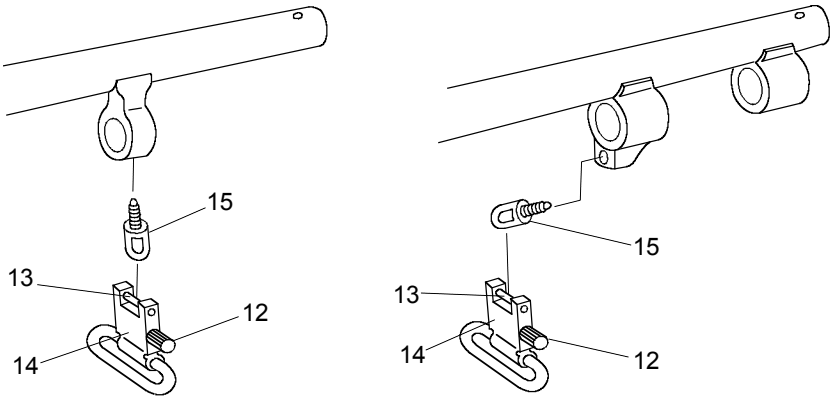
NOTE
If old style swivel was removed, replace with new style swivel.

Install swivel post (15) by turning clockwise.

Turn locking knob (12) completely counterclockwise.

Push in on knob (12) to release swivel-locking bar (13) and insert through swivel post (15).

Tighten locking knob (12) by turning completely clockwise.



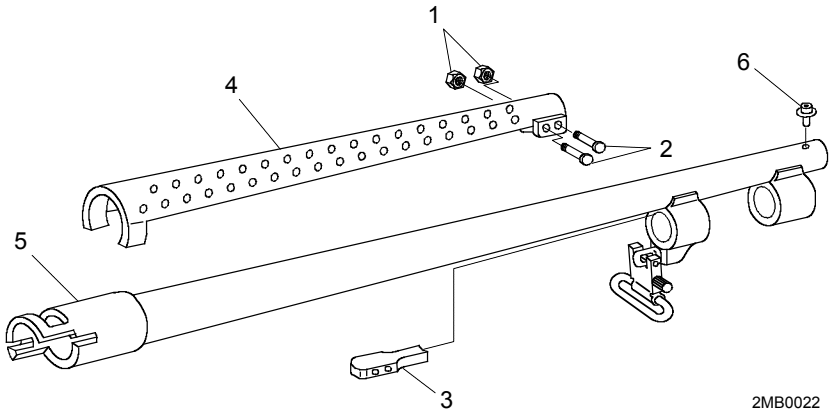
M500 **M590** 2MB0024A

UNIT MAINTENANCE OF
BARREL ASSEMBLY, NSN 1005-01-512-9286, P/N 3907P AND
BARREL ASSEMBLY, NSNA, P/N 41758 (cont)

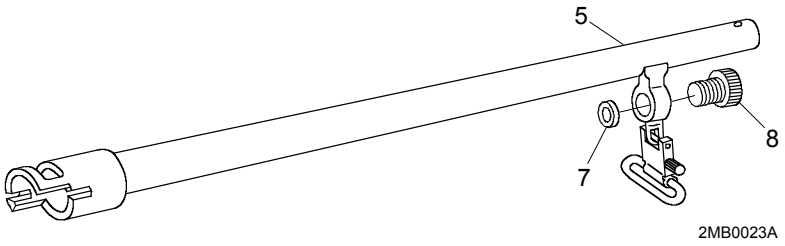
ASSEMBLY

Install front sight (6) from barrel (5) (both models).

Install heat shield (4), heat shield spacer (3), two screws (2) and two new self-locking nuts (1) to barrel (5) (M590 only).



Install retaining ring (7) and machine screw (8) on barrel (5) (M500 only).



END OF WORK PACKAGE

UNIT MAINTENANCE OF
STOCK, GUN, SHOULDER, NSN 1005-01-511-9538, P/N 14762MIL

This task covers: a. Disassembly b. Inspection/Repair c. Assembly

INITIAL SETUP

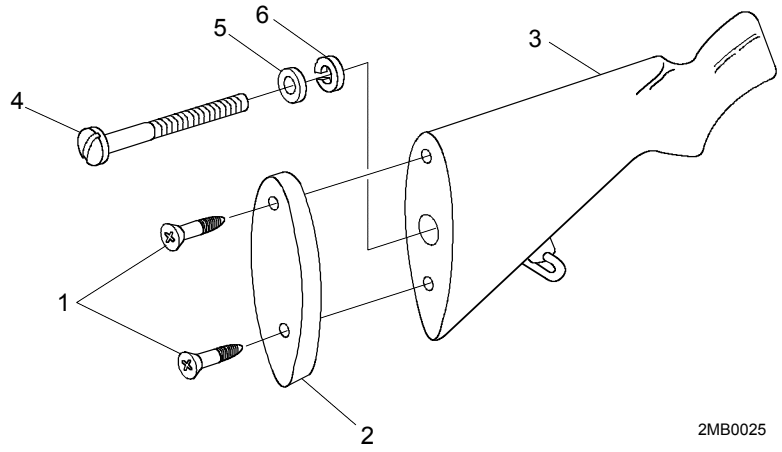
Tools and Special Tools:
Tool Kit, Small Arms Repairman, P/N SC 5180-95-B71

Materials/Parts:
Lock-washer, P/N 7615P

DISASSEMBLY

Remove two machine screws (1) and recoil pad (2) from stock (3).

Remove machine screw (4), washer (5), and lock-washer (6) from stock (3) and separate the stock from the receiver. Discard lock-washer (6).



UNIT MAINTENANCE OF
STOCK, GUN, SHOULDER, NSN 1005-01-511-9538, P/N 14762MIL (cont)

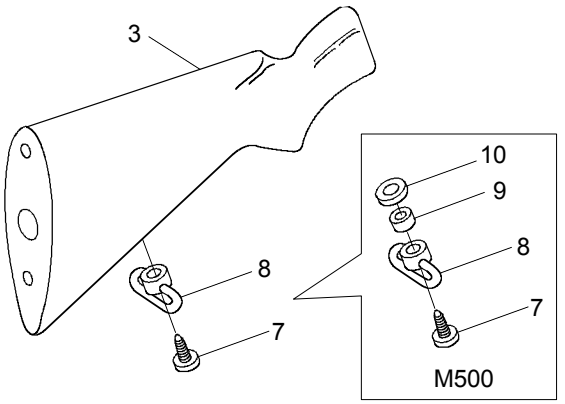
DISASSEMBLY (cont)

OLD STYLE SWIVEL

NOTE
Remove swivel only if damaged.

Removal of old /new swivel is the same for both models.

Remove screw (7), and swivel (8). Remove sleeve bushing (9) and swivel washer (10) (M500 only).

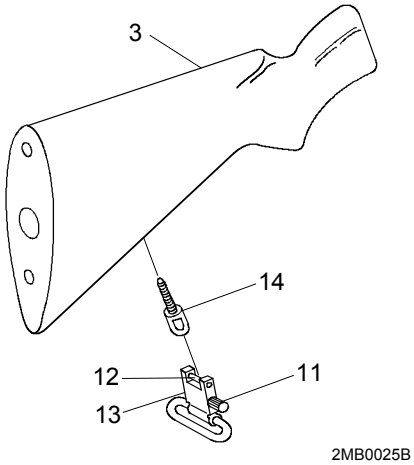


NEW STYLE SWIVEL

Turn locking knob (11) completely counterclockwise.

Push in on knob (11) to release swivel-locking bar (12) and remove sling swivel (13) from swivel post (14).

Turn swivel post (14) counterclockwise to remove.



INSPECTION/REPAIR

Check stock for cracks.

Check for missing/damaged sleeve bushing; burred/worn threads on machine screws.

Check for missing/bent swivel. If old style swivel is damaged, replace with new style swivel.

Check recoil pad for deterioration.

Repair is by replacement of authorized parts.

ASSEMBLY

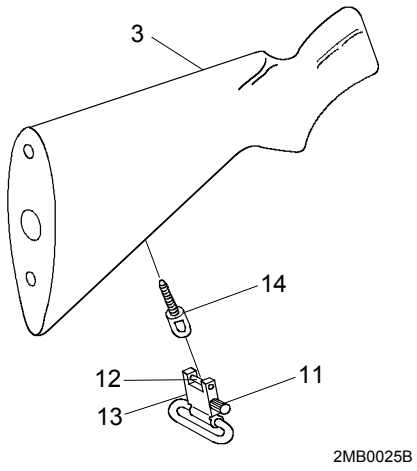
NOTE
If old style swivel was removed, replace with new style swivel.

Install swivel post (15) by turning clockwise.

Turn locking knob (12) completely counterclockwise.

Push in on knob (12) to release swivel-locking bar (13) and insert through swivel post (15).

Tighten locking knob (12) by turning completely clockwise.

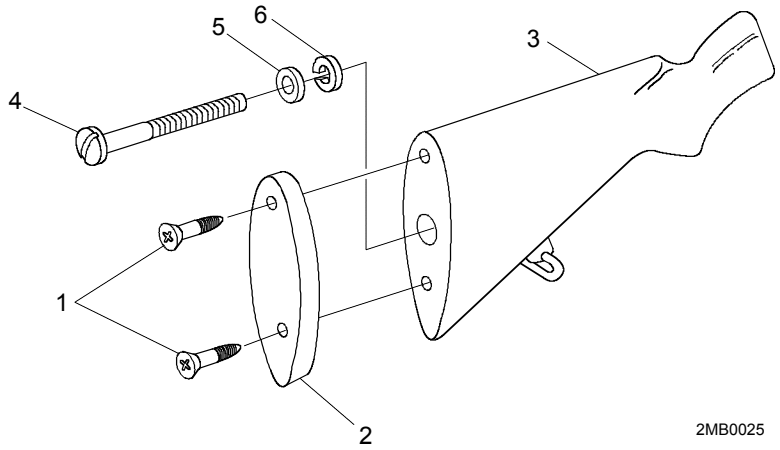


UNIT MAINTENANCE OF
STOCK, GUN, SHOULDER, NSN 1005-01-511-9538, P/N 14762MIL (cont)

ASSEMBLY (cont)

Align the stock with the receiver assembly. Place washer (5) and lock-washer (6) on shaft of machine screw (4); insert machine screw (4) into end of stock (3) and tighten screw into receiver.

Align recoil pad (2) with end of stock (3) and secure with two machine screws (1).



END OF WORK PACKAGE

UNIT MAINTENANCE OF
GRIP ASSEMBLY, PISTOL, NSN 1005-01-512-2743, P/N 7995P

This task covers: a. Disassembly b. Inspection/Repair c. Assembly

INITIAL SETUP

Tools and Special Tools:
Tool Kit, Small Arms Repairman,
P/N SC 5180-95-B71

Materials/Parts:
Lock-washer, P/N 7613P

Equipment Condition:
Shotgun field stripped (WP 0014 00).

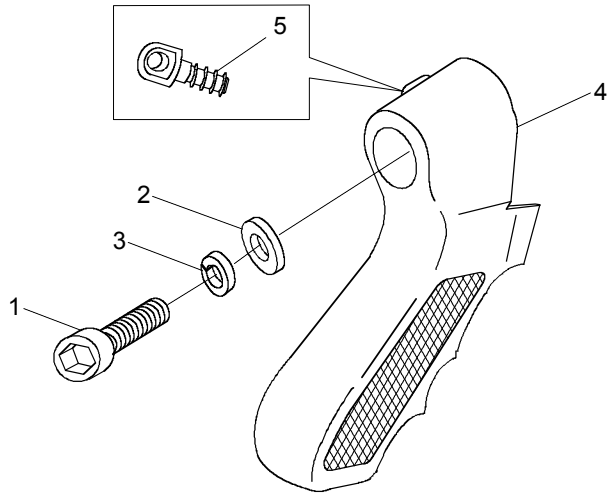
NOTE

To replace shoulder gun stock with the pistol grip assembly remove shoulder gun stock in accordance with WP 0025 00. Follow assembly procedures in this work package to install the pistol grip assembly

DISASSEMBLY

Remove hex screw (1), washer (2), and lock-washer (3) from pistol grip (4). Discard lock-washer (3).

Remove swivel post (5).



2MB0056

INSPECTION AND REPAIR

Check pistol grip for cracks.

Check screw and swivel for burred/worn threads.

Check for missing, worn and broken parts.

Repair is by replacement of authorized parts.

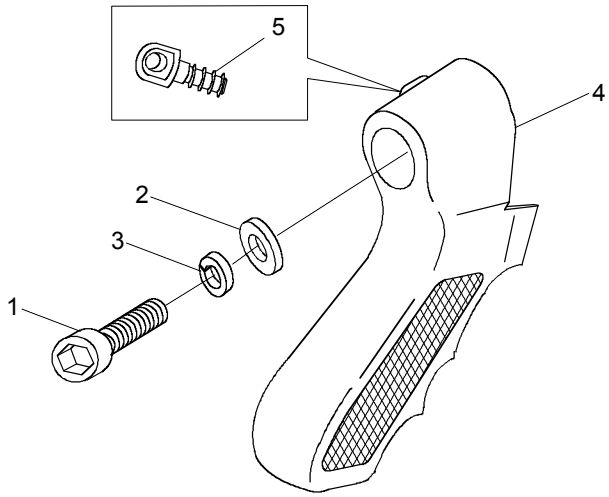
UNIT MAINTENANCE OF
GRIP ASSEMBLY, PISTOL, NSN 1005-01-512-2743, P/N 7995P (cont)

ASSEMBLY

Align pistol grip to receiver.

Place new lock-washer (3) and washer (2) on hex screw (1) and insert into pistol grip (4). Tighten screw hand tight only.

Install swivel post (5).



END OF WORK PACKAGE

CHAPTER 4

DIRECT SUPPORT MAINTENANCE

DIRECT SUPPORT TROUBLESHOOTING PROCEDURES

This work package contains direct support-troubleshooting information for locating and correcting most of the operating troubles that may develop in the shotgun. Each malfunction for a part, assembly, or subassembly is followed by a list of tests or inspections, which will help you to determine corrective actions to take. You should perform the tests/inspections and corrective actions in the order listed.

This manual cannot list all possible malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed (except when malfunction or cause is obvious) or is not corrected by listed corrective actions, notify direct support maintenance.

TROUBLESHOOTING PROCEDURES

Refer to symptom index or troubleshooting table for malfunctions, tests/inspections, and corrective action.

SYMPTOM INDEX

DIRECT SUPPORT TROUBLESHOOTING PROCEDURES (cont)

Table 1. Direct Support Troubleshooting Procedures

SYMPTOM

Shotgun will not fire.

MALFUNCTION

Firing pin is burred, excessively worn or broken.

CORRECTIVE ACTION

Replace firing pin.

MALFUNCTION

Check for foreign matter in firing pin aperture in bolt.

CORRECTIVE ACTION

Clean aperture in bolt and bolt slide.

MALFUNCTION

Check for broken trigger assembly.

CORRECTIVE ACTION

Replace trigger assembly.

MALFUNCTION

Check for foreign matter in safety well.

CORRECTIVE ACTION

Clean safety well.

SYMPTOM

Cartridge fails to extract or eject.

MALFUNCTION

Cartridge extractors and/or ejector are worn, burred, broken or missing.

CORRECTIVE ACTION

Replace cartridge extractors and/or ejector.

MALFUNCTION

Check for bent or broken extractor spring(s) on cartridge extractor.

CORRECTIVE ACTION

If one is damaged, replace both extractor spring(s).

SYMPTOM

Shotgun fails to load or feed.

MALFUNCTION

Cartridge follower is corroded.

CORRECTIVE ACTION

Clean or replace cartridge follower.

MALFUNCTION

Magazine spring is broken or kinked.

CORRECTIVE ACTION

Replace magazine spring.

MALFUNCTION

Foreign matter is in magazine tube.

CORRECTIVE ACTION

Clean magazine tube.

MALFUNCTION

Cartridge stop and/or cartridge interrupter is worn, burred, or broken.

CORRECTIVE ACTION

Replace cartridge stop and/or cartridge interrupter.

Table 1. Direct Support Troubleshooting Procedures (cont)

SYMPTOM

Ammunition double feeds.

MALFUNCTION

Cartridge stop or cartridge interrupter bent or missing.

CORRECTIVE ACTION

Replace action slide assembly.

SYMPTOM

Shotgun does not function correctly.

MALFUNCTION

Safety is burred or sticking.

CORRECTIVE ACTION

Replace, or clean and lubricate safety.

END OF WORK PACKAGE

**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 10171MIL AND
RECEIVER ASSEMBLY, NSNA, P/N 10171A1**

This task covers: a. Disassembly b. Inspection/Repair c. Assembly

INITIAL SETUP

Tools and Special Tools:
Tool Kit, Small Arms Repairman,
P/N SC 5180-95-B71
Shop Set, Small Arms: Field Maintenance, Basic
Less Power, P/N SC4933-95-CL-A11

Materials/Parts:
Lock-washer, P/N 11756
Wiping Rag, (item 7, WP 0045 00)

Equipment Condition:
Barrel assembly and fore end assembly removed (WP 0014 00).

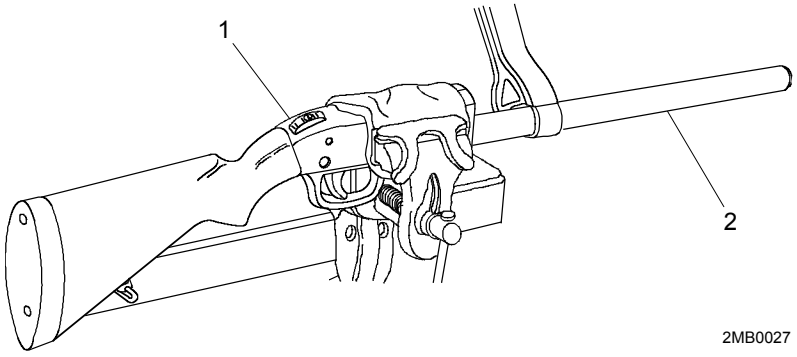
DISASSEMBLY

MODEL M500

Wrap wiping rag around receiver assembly (1). Place receiver assembly (1) in bench vise with vise jaw caps. Close vise just enough to hold receiver assembly (1).

Place strap style pipe wrench around magazine tube assembly (2) and turn to the left (counterclockwise), loosening metal tube assembly (2).

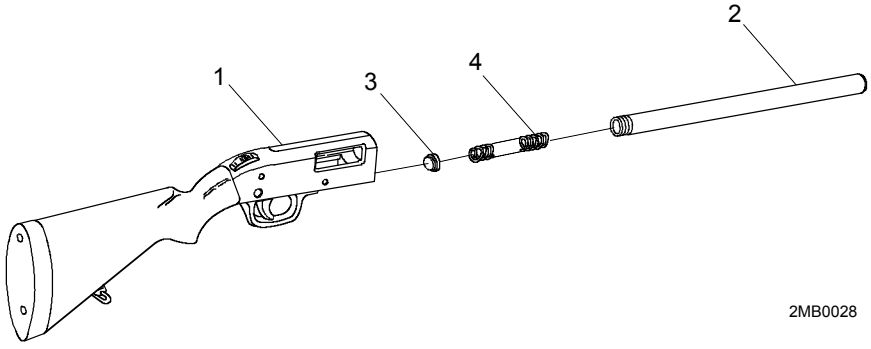
Remove magazine tube assembly (2) from receiver assembly (1).



WARNING

To avoid injury your eyes, use care when removing and installing spring-loaded parts.

Remove cartridge follower (3) and magazine spring (4) from magazine tube assembly (2).



**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 10171MIL AND
RECEIVER ASSEMBLY, NSNA, P/N 10171A1 (cont)**

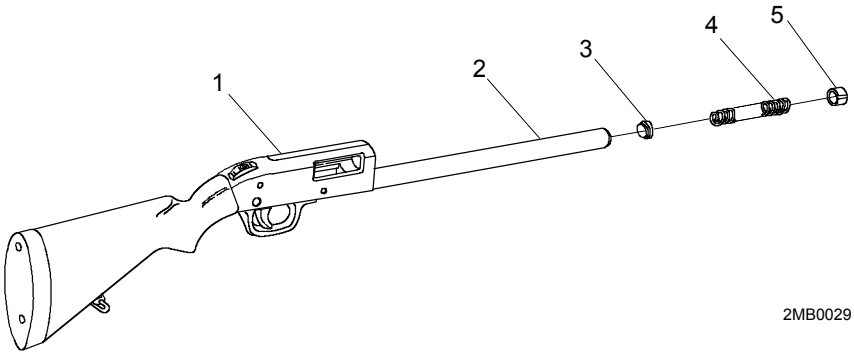
DISASSEMBLY

MODEL M590

WARNING

To avoid injury your eyes, use care when removing and installing spring-loaded parts.

Remove magazine catch retainer (5), magazine spring (4) and cartridge follower (3) from magazine tube assembly (2).



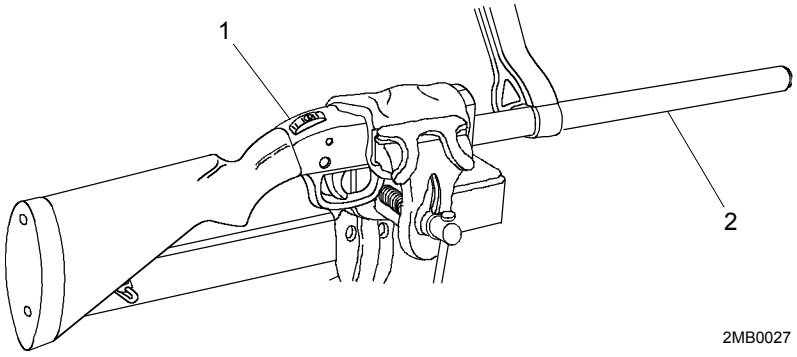
NOTE

Perform this step only if replacement of magazine tube is required.

Wrap wiping rag around receiver assembly (1). Place receiver assembly (1) in bench vise with vise jaw caps. Close vise just enough to hold receiver assembly (1).

Place strap style pipe wrench around magazine tube assembly (2) and turn to the left (counterclockwise), loosening metal tube assembly (2).

Remove magazine tube assembly (2) from receiver assembly (1).



INSPECTION/REPAIR

Inspect for broken, damaged, or missing parts.

Inspect receiver (1) for cracks or bends, repair is by replacement of shotgun.

Inspect magazine tube (2) for cracks or bends.

Inspect magazine spring (3) for bends/breaks and flat spots.

Repair is by replacement of authorized parts.

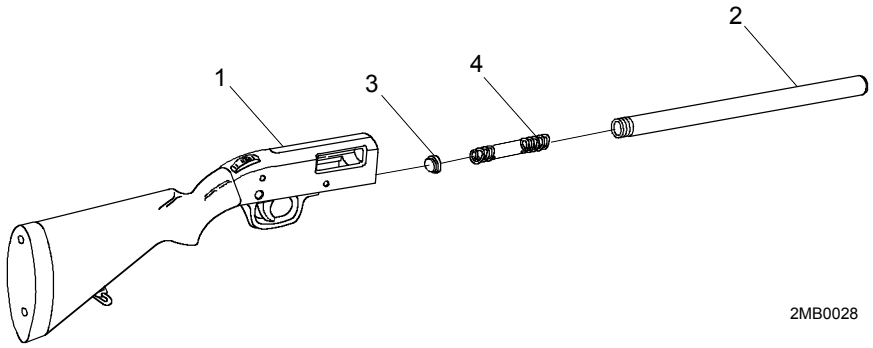
ASSEMBLY

MODEL M500

WARNING

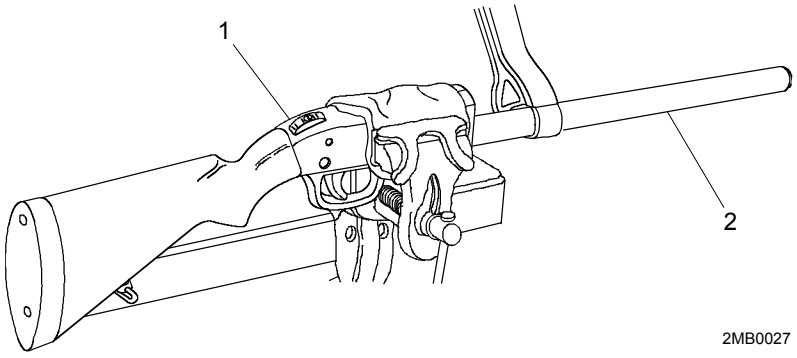
To avoid injury your eyes, use care when removing and installing spring-loaded parts.

Insert magazine spring (3) and cartridge follower (4) into magazine tube assembly (2).



Wrap wiping rag around receiver assembly (1). Place receiver assembly (1) in bench vise with vise jaw caps. Close vise just enough to hold receiver assembly (1).

Place strap style pipe wrench around magazine tube assembly (2) and turn to the right (clockwise), tightening magazine tube assembly (2).



Assemble weapon (WP 0014 00).

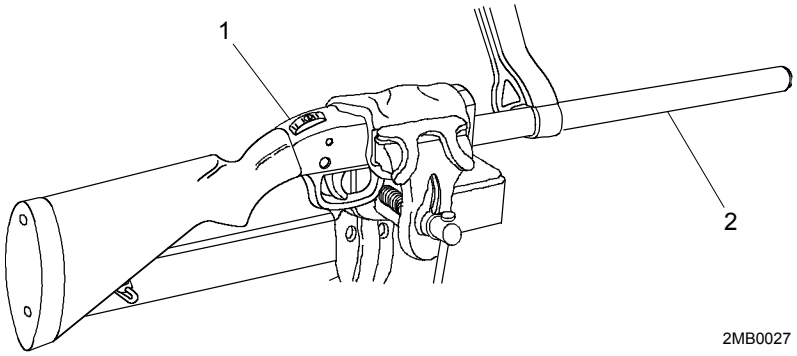
ASSEMBLY (cont)

MODEL M590

NOTE
Perform this step only if magazine tube was replaced.

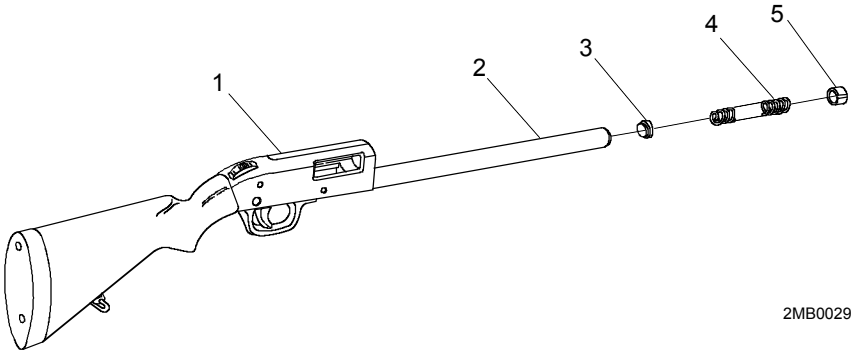
Wrap wiping rag around receiver assembly (1). Place receiver assembly (1) in bench vise with vise jaw caps. Close vise just enough to hold receiver assembly (1).

Place strap style pipe wrench around new magazine tube assembly (2) and turn to the right (clockwise), tightening magazine tube assembly (2).



WARNING
To avoid injury your eyes, use care when removing and installing spring-loaded parts.

Insert cartridge follower (3), magazine spring (4) and magazine catch retainer (5) into magazine tube assembly (2).



Assemble weapon (WP 0014 00).

FUNCTION CHECK

After performing any work on your shotgun, such as cleaning or repair, check shotgun for proper functioning before firing any live ammunition.

END OF WORK PACKAGE

DIRECT SUPPORT MAINTENANCE OF
BOLT ASSEMBLY, NSN 1005-01-512-2731, P/N 6706P

This task covers: a. Disassembly b. Inspection/Repair c. Assembly

INITIAL SETUP

Tools and Special Tools:
Tool Kit, Small Arms Repairman, P/N SC 5180-95-B71
Shop Set, Small Arms: Field Maintenance, Basic Less Power, P/N SC4933-95-CL-A11

Equipment Condition:
Shotgun field stripped (WP 0014 00)

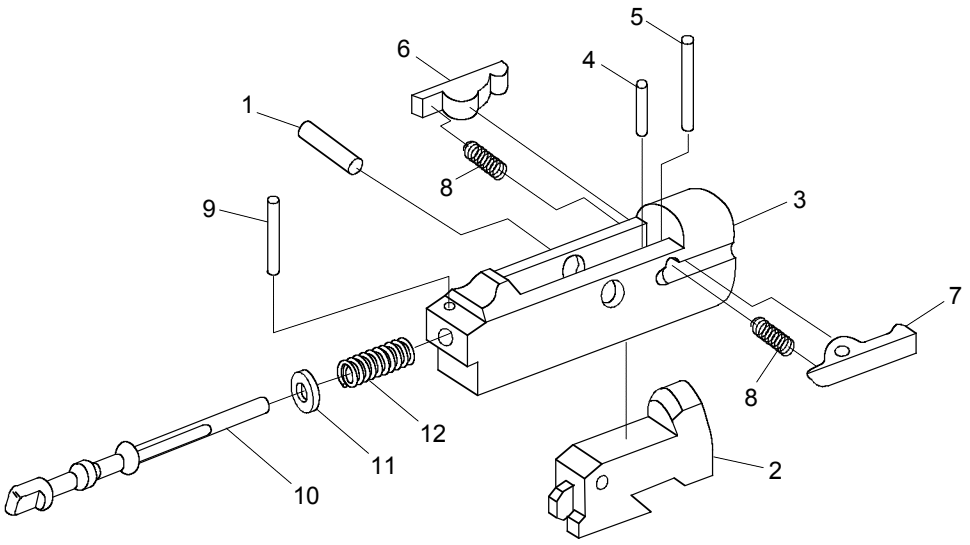
DISASSEMBLY

Remove grooved headless pin (1) and bolt lock (2) from bolt (3).

WARNING
To avoid injury to your eyes, use care when removing and installing spring-loaded parts.

Remove two cartridge extractor pins (4 and 5), left hand cartridge extractor (6), right hand cartridge extractor (7), and two cartridge extractor springs (8) from bolt (3).

Remove firing pin retaining pin (9), firing pin (10), flat washer (11), and follower spring (12) from bolt (3).



DIRECT SUPPORT MAINTENANCE OF
BOLT ASSEMBLY, NSN 1005-01-512-2731, P/N 6706P (cont)

INSPECTION/REPAIR

Inspect bolt (3) and bolt lock (2) for cracks.

Inspect all components for bends, breaks, or excessive wear.

Repair is by replacement of authorized parts.

ASSEMBLY

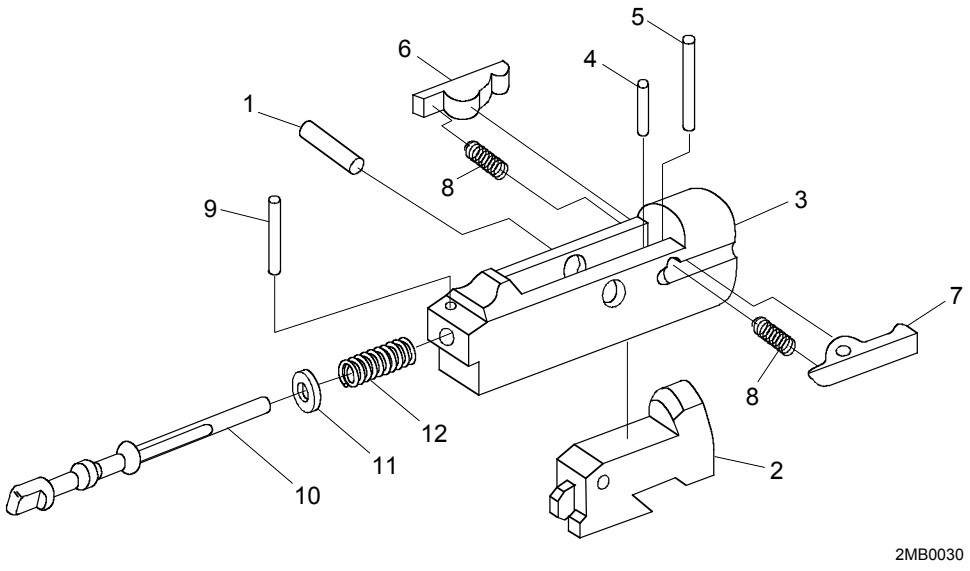
Install follower spring (12), flat washer (11), firing pin (10), and firing pin retaining pin (9) into bolt (3).

WARNING

To avoid injury to your eyes, use care when removing and installing springs loaded parts.

Install two cartridge extractor springs (8), right hand and left hand cartridge extractors (6 and 7), and cartridge extractor pins (4 and 5) into bolt (3).

Install bolt lock (32) and grooved headless pin (1) into bolt (3).



END OF WORK PACKAGE

ILLUSTRATED LIST OF MANUFACTURED ITEMS

SCOPE

This work package includes complete instructions or making items authorized to be manufactured.

HOW TO USE THE INDEX OF MANUFACTURED ITEMS

A part number index in alphanumeric order is provided for cross-referencing the part number of the item to be manufactured to the page that covers fabrication criteria.

EXPLANATION OF THE ILLUSTRATIONS OF MANUFACTURED ITEMS

All instructions needed by maintenance personnel to manufacture the item are included on the illustrations. All bulk materials, needed for the manufacture of an item, are listed by part number or specification number in a tabular list on the illustration.

INDEX

Figure Number	Part Number/ Drawing Number	Nomenclature
1	Not Applicable	Tube Nut Tool

ILLUSTRATED LIST OF MANUFACTURED ITEMS (cont)

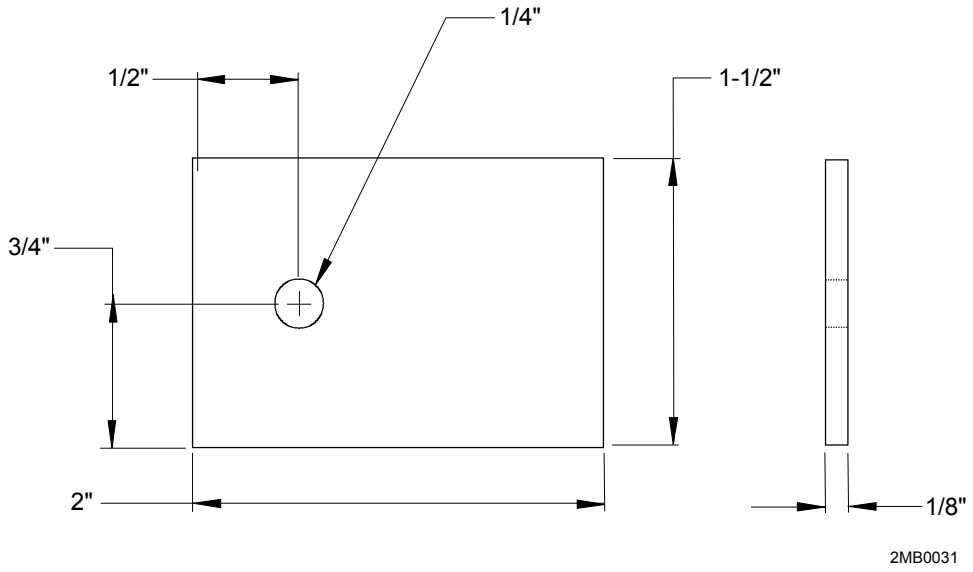


Figure 1. Tube Nut Tool

NOTES:

Material: Bar, Metal, Type Grade 1080, QQ-S-634. Use NSN 9510-00-294-0992 (81348).

END OF WORK PACKAGE

AMMUNITION CARE AND USAGE

CARE - Protect ammunition from mud, dirt, and water. If ammunition gets wet or dirty, wipe it off prior to use. Wife off light corrosion as soon as it is discovered. Heavily corroded cartridge or cartridges that have dented cases should not be fired.

HANDLING - Do not expose ammunition to the direct rays of the sun. If the power is hot, excessive pressure may develop when gun is fired.

PRESERVATION - Do not open ammunition containers until the ammunition is to be used. Ammunition removed from airtight containers, particularly in damp climates, is likely to corrode.

PACKING - Do not oil or grease ammunition. Dust and other abrasives collecting on oiled or greased ammunition will damage the operating parts of the shotgun. Oiled cartridges will produce excessive chamber pressure. Pack unused cartridges in original containers and use first in subsequent firings.

AUTHORIZED AMMUNITION

For ammunition authorized for use in your shotgun refer to WP 0009 00.

END OF WORK PACKAGE

CHAPTER 5

SUPPORTING INFORMATION

REFERENCES

DEPARTMENT OF ARMY PAMPHLETS AND FORMS

DA PAM 738-750 ..... Functional Users Manual for the Army Maintenance Management System (TAMMS)

DA Form 2028..... Recommended Changes to Publications and Blank Forms

PAM 385-64 ..... Ammunition and Explosives Standards

SF 364..... Report of Discrepancy (ROD)

SF 368..... Product Quality Deficiency Report

FIELD MANUALS

FM 3-4..... Nuclear, Biological, and Chemical (NBC) Protection

FM 3-5..... Nuclear, Biological, and Chemical (NBC) Decontamination

FM 3-87..... Nuclear, Biological, and Chemical (NBC) Reconnaissance and Decontamination Operation (How to Fight)

FM 4-25.11..... First Aid for Soldiers

TECHNICAL MANUALS

TM 750-244-7 ..... Procedures for Destruction of Equipment in Federal Supply Classification 1000, 1005, 1010,1015, 1020, 1025, 1030, 1055, 1090, and 1095 to Prevent Enemy Use

RELATED PUBLICATIONS

DOD 4160.21-M-1..... Defense Demilitarization Manual

MISCELLANEOUS PUBLICATIONS

CTA 50-970..... Expendable/Durable Items (Except Medical Class V, Repair Parts and Heraldic Items)

CTA 8-100..... Army Medical Department Expendable/Durable items

MAINTENANCE ALLOCATION CHART (MAC)

INTRODUCTION

The Army Maintenance System MAC

This introduction provides a general explanation of all maintenance and repair functions authorized at various maintenance levels under the standard Army Maintenance System concept.

The MAC (immediately following the introduction) designates overall authority and responsibility for the performance of maintenance functions on the identified end item or component. The application of the maintenance functions to the end item or component shall be consistent with the capacities and capabilities of the designated maintenance levels, which are shown on the MAC in column (4) as:

Unit – includes two sub-columns, C (crew/operator) and O (unit) maintenance.

Direct Support – includes an F sub-column.

General Support – includes an H sub-column.

Depot – includes a D sub-column.

The tools and test equipment requirements (immediately following the MAC) list the tools and test equipment (both special tools and common tool sets) required for each maintenance function as referenced from the MAC.

The remarks (immediately following the tools and test equipment requirements) contain supplemental instructions and explanatory notes for a particular maintenance function.

Maintenance Functions

Maintenance functions are limited to and defined as follows:

Inspect. To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination (e.g., by sight, sound, or feel). This includes scheduled inspection and gagings and evaluation of cannon tubes.

Test. To verify serviceability by measuring the mechanical, pneumatic, hydraulic, or electrical characteristics of an item and comparing those characteristics with prescribed standards on a scheduled basis, i.e., load testing of lift devices and hydrostatic testing of pressure hoses.

Service. Operations required periodically to keep an item in proper operating condition; e.g., to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases. This includes scheduled exercising and purging or recoil mechanisms.

Adjust. To maintain or regulate, within prescribed limits, by bringing into proper position, or by setting the operating characteristics to specified parameters.

Align. To adjust specified variable elements of an item to bring about optimum or desired performance.

Calibrate. To determine and cause corrections to be made or to be adjusted on instruments of test, measuring, and diagnostic equipment used in precision measurement. Consists of comparisons of two instruments, one of which is certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

MAINTENANCE ALLOCATION CHART (MAC) (cont)

Maintenance Functions (cont)

Remove/Install. To remove and install the same item when required to perform service or other maintenance functions. Install may be the act of emplacing, seating, or fixing into position a spare, repair part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

Replace. To remove an unserviceable item and install a serviceable counterpart in its place. "Replace" is authorized by the MAC and assigned maintenance level is shown as the third position code of the Source, Maintenance and Recoverability (SMR) code.

Repair. The application of maintenance services, including fault location/troubleshooting, removal/installation, disassembly/assembly procedures, and maintenance actions to identify troubles and restore serviceability to an item by correction specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item, or system.

NOTE

The following are applicable to the "repair" maintenance function:

Services – Inspect, test, service, adjust, calibrate, and/or replace.

Fault location/troubleshooting – The process of investigating and detecting the cause of equipment malfunctioning; the act of isolating a fault within a system or Unit Under Test (UUT).

Disassembly/assembly – The step-by-step breakdown (taking apart) of a spare/functional group coded item to the level of its component, that is assigned an SMR code for the level of maintenance under consideration (i.e., identified as maintenance significant).

Actions – Welding, grinding, riveting, straightening, facing, machining, and/or resurfacing.

Overhaul. That maintenance effort (service/action) prescribed to restore an item to a completely serviceable/operational condition as required by maintenance standards in appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like new condition.

Rebuild. Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (e.g., hours/miles) considered in classifying Army equipment/components.

Explanation of Columns in the MAC

Column (1) – Group Number. Column (1) lists FGC numbers, the purpose of which is to identify maintenance significant components, assemblies, subassemblies, and modules with the Next Higher Assembly (NHA)).

Column (2) – Component/Assembly. Column (2) contains the item names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

Column (3) – Maintenance Function. Column (3) lists thee functions to be performed on the item listed in column (2). (For a detailed explanation of these functions refer to "Maintenance Functions" outlined above.

Column (4) – Maintenance Level. Column (4) specifies each level of maintenance authorized to perform each function listed in column (3), by indicating work time required (expressed as man-hours in whole hours or decimals) in the appropriate sub-column. This work time figure represents the active time required to perform that maintenance function at the indicated level of maintenance. If the number or complexity of the tasks within the listed maintenance function varies at different maintenance levels, appropriate work time figures are to be shown for each level. The work time figure represents the average time required to restore an item (assembly, sub-assembly, component, module, end item, or system) to a serviceable condition under typical field operating conditions. This time includes preparation time, and quality assurance time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the MAC. The symbol designations for the various maintenance levels are as follows:

C – Operator or Crew maintenance

O – Unit Maintenance

F – Direct Support Maintenance

L – Specialized Repair Activity (SRA)

H – General Support Maintenance

D – Depot Maintenance

NOTE

The “L” maintenance level is not included in column (4) of the MAC. Functions to this level of maintenance are identified by work time figures in the “H” column of column (4), and an associated reference code is used in the REMARKS column (6). This code is keyed to the remarks and the SRA complete repair application is explained there.

Column (5) – Tools and Equipment Reference Code. Column (5) specifies, by code, those common tool sets (not individual tools), common Test, Measurement and Diagnostic Equipment (TMDE), and special tools, special TMDE and special support equipment required to perform the designated function. Codes are keyed to the entries in the tools and test equipment table.

Column (6) – Remarks Code. When applicable, this column contains a letter code, in alphabetical order which is keyed to the remarks table entries.

Explanation of Columns in the Tools and Test Equipment Requirements

Column (1) – Tools or Test Equipment Reference Code. The tool or test equipment reference code correlates with a code used in column (5) of the MAC.

Column (2) – Maintenance Level. The lowest level of maintenance authorized to use the tool or test equipment.

Column (3) – Nomenclature. Name or identification of the tool or test equipment.

Column (4) – National Stock Number (NSN). The NSN of the tool or test equipment

Column (5) – Tool Number. The manufacture’s part number, model number, or type number.

MAINTENANCE ALLOCATION CHART (MAC) (cont)

Explanation of Columns in the Remarks

Column (1) – Remarks Code. The code recorded in column (6) of the MAC.

Column (2) – Remarks. This column lists information pertinent to the maintenance function being performed as indicated in the MAC.

MAINTENANCE ALLOCATION CHART

Table 1. Maintenance Allocation Chart for Shotgun, Model 500 and Model 590

(1) GROUP NUMBER	(2) COMPONENT/ ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL					(5) TOOLS AND EQUIPMENT REF CODE	(6) REMARKS
			UNIT		DS	GS	DEPOT		
			C	O	F	H	D		
00	Shotgun, 12 Gauge, Model 500 (P/N MOD500) and Shotgun, 12 Gauge, Model 590 (P/N 52660)	Inspect Service Overhaul	0.1 0.1	0.1 0.1	0.1		 3.6	1, 2	
01	Stock Assembly (P/N 14762MIL) and Pistol Grip Assembly (P/N 7995P)	Inspect Service Repair	0.1 0.1	0.1 0.1	0.1 0.2			1, 2	
02	Receiver Assembly (P/N 10171MIL)	Inspect Service Repair	0.1 0.1	0.1 0.1	0.1 0.3			1, 2	
0201	Safety Assembly (NPN)	Inspect Service Repair						1,2	
03	Barrel Assembly (P/N 3907P) and Barrel Assembly (P/N 16019P)	Inspect Service Repair	0.1 0.1	0.1 0.1	0.1 0.2			1, 2	
04	Fore End Slide Assembly (P/N MOSS-5)	Inspect Service Repair	0.1 0.1	0.1 0.1	0.1 0.2			1, 2	A
05	Bolt Assembly (P/N 6706P)	Inspect Service Replace Repair	0.1 0.1	0.1 0.1	0.1 0.2			1, 2	

MAINTENANCE ALLOCATION CHART (cont)

Table 2. Tools and Test Equipment for Shotguns

(1) TOOL OR TEST EQUIPMENT REF CODE	(2) MAINTENANCE LEVEL	(3) NOMENCLATURE	(4) NATIONAL STOCK NUMBER	(5) TOOL NUMBER
1	O/F	Tool Kit, Small Arms Repairman	5180-01-462-4254	SC 5180-95-B71
2	F	Shop Set, Small Arms: Field Maintenance, Basic Less Power	4933-00-754-0664	SC 4933-95-CL-A11

Table 3. Remarks for Shotgun

Reference Code	Remarks
A	See manufactured item 1, WP 0029 00.

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS FOR MOSSBERG SHOTGUNS

INTRODUCTION

SCOPE

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement and diagnostic equipment (TMDE); and other special support equipment required for performance of unit and direct support maintenance of Gun Mounts. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) Code.

GENERAL

In addition to the Introduction work package, this RPSTL is divided into the following work packages.

1. Repair Parts List Work Packages. Work packages containing lists of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. These work packages also include parts which may be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Sending units, brackets, filters and bolts are listed with the component they mount on. Bulk materials are listed by item name in FIG. BULK at the end of the work packages. Repair kits are listed separately in their own functional group and work package. Repair parts for reparable special tools are listed in their own functional group and work package. Repair parts for reparable special tools are also listed in separate work package. Items listed are shown on the associated illustrations.

2. Special Tools List Work packages. Work packages containing list of special tools, special TMDE, and special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in the DESCRIPTION AND USABLE ON CODE (UOC) column). Tools that are components of common tool sets and/or Class VII are not listed.

3. Cross-Reference Index Work Packages. There are three cross-reference indexes work packages in this RPSTL: the National Stock Number (NSN) Index work package, the Part Number Index work package, and the Reference Designator Index work package. The National Stock Number Index work package refers you the figure and item number. The Part Number Index work package refers you the figure and item number. The Reference Designator Index work package refers you the figure and item number.

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS FOR MOSSBERG SHOTGUNS (cont)

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES

ITEM NO. (Column (1)). Indicates the number used to identify items called out in the illustration.

SMR CODE (Column (2)). The SMR code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout:

Source Code	**Maintenance Code**		**Recoverability Code**
xx	xx		x
1st two positions: How to get an item.	3rd position: Who can install, replace, or use the item.	4th position: Who can do complete repair* on the item.	5th position: Who determines disposition action on unserviceable items.

*Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

Source Code	**Application/Explanation**
PA **PB** **PC** **PD** **PE** **PF** **PG**	Stock items; use the applicable NSN to requisition/request items with these source codes. They are authorized to the level indicated by the code entered in the 3rd position of the SMR code. **NOTE** Items coded PC are subject to deterioration.
KD **KF** **KB**	Items with these codes are not to be requested/requisitioned individually. They are part of a kit, which is authorized to the maintenance level indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.

MO – Made at unit/ AVUM level

MF – Made at DS/AVIM level

MH – Made at GS level

ML – Made at SRA

MD – Made at depot

Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material, which is identified by the P/N in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the bulk material group work package of the RPSTL. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.

AO - Assembled by unit/ AVUM level

AF – Assembled by DS/ AVIM level

AH – Assembled by GS level

AL – Assembled by SRA

AD – Assembled by depot

Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3rd position of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.

XA - Do not requisition an “XA” coded item. Order the next higher assembly. (Refer to NOTE below.)

XB - If an item is not available from salvage, order it using the CAGEC and P/N.

XC - Installation drawings, diagrams, instruction sheets, field service drawings; identified by manufacturer’s P/N.

XD - Item is not stocked. Order and XD-coded item through normal supply channels using the CAGEC and P/N given, if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes except for those items source coded “XA” or those aircraft support items restricted by requirements of AR 750-1.

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS FOR MOSSBERG SHOTGUNS (cont)

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES (cont)

Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and forth positions of the SMR code as follows:

Third Position. The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following levels of maintenance:

Maintenance Code	Application/Explanation
C	- Crew or operator maintenance done within unit/AVUM maintenance.
O	- Unit level/AVUM maintenance can remove, replace, and use the item.
F	- Direct support/AVIM maintenance can remove, replace, and use the item.
H	- General support maintenance can remove, replace, and use the item.
L	- Specialized repair activity can remove, replace, and use the item.
D	- Depot can remove, replace, and use the item.

Forth Position. The maintenance code entered in the forth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (perform all authorized repair functions).

Maintenance Code	Application/Explanation
O	- Unit/AVUM is the lowest level that can do complete repair of the item.
F	- Direct support/AVIM is the lowest level that can do complete repair of the item.
H	- General support is the lowest level that can do complete repair of the item.
L	- Specialized repair activity is the lowest level that can do complete repair of the item.
D	- Depot is the lowest level that can do complete repair of the item.
Z	- Non-reparable. No repair is authorized.
B	No repair is authorized. No parts or special tools are authorized for maintenance of “B” coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level.

Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is shown in the fifth position of the SMR code as follows:

Recoverability Code	Application/Explanation
Z	- Non-reparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the third position of the SMR code.
O	- Reparable item. When uneconomically reparable, condemn and dispose of the item at the unit support level.
F	- Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support level.
H	- Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.
D	- Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item are not authorized below depot level.
L	- Reparable item. Condemnation and disposal of item are not authorized below Specialized Repair Activity (SRA).
A	- Item requires special handling or condemnation procedures because of specific reasons (such as precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

NSN (Column (3)). The NSN for the item is listed in this column.

CAGEC (Column (4)). The Commercial and Government Entity Code (CAGEC) is a five-digit code which is used to identify the manufacture, distributor, or Government agency/activity that supplies the item.

PART NUMBER (Column (5)). Indicates the primary number used by the manufacturer (individual company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When you use an NSN to requisition an item, the item you receive may have a different P/N from the number listed.

DESCRIPTION AND USABLE ON CODE (UOC) (Column (6)). This column includes the following information:

1. The federal item name, and when required, a minimum description to identify the item.

2. P/N's of bulk materials are referenced in this column in the line entry to be manufactured or fabricated.

3. Hardness Critical Item (HCI). A support item that provides the equipment with special protection from electromagnetic pulse (EMP) damage during a nuclear attack.

4. The statement "END OF FIGURE" appears just below the last item description in column (6) for a given figure in both the repair parts list and special tools list work packages.

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS FOR MOSSBERG SHOTGUNS (cont)

EXPLANATION OF CROSS-REFERENCE INDEXES WORK PACKAGES FORMAT AND COLUMNS (cont)

QTY (Column (7)). The QTY (quantity per figure) column indicates the quantity of the item used in the breakout shown on the illustration/figure, which is prepared for a functional group, sub-functional group, or an assembly. A "V" appearing in this column instead of a quantity indicates that the quantity is variable and quantity may change from application to application.

EXPLANATION OF CROSS-REFERENCE INDEXES WORK PACKAGES FORMAT AND COLUMNS

1. National Stock Number (NSN) Index Work Package.

STCOK NUMBER Column. This column lists the NSN in National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN.

NSN (e.g., 5385-01-574-1476) NIIN	When using this column to locate an item, ignore the first four digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

FIG. Column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in the repair parts list and special tools list work packages.

ITEM Column. The item number identifies the item associated with the figure listed in the adjacent FIG. Column. This item is also identified by the NSN listed on the same line.

2. Part Number (P/N) Index Work Package. P/ns in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combinations which places the first letter of digit of each group in order A through Z, followed by numbers 0 through 9 and each following letter or digit in like order.

PART NUMBER Column. Indicates the P/N assigned to the item/

FIG. Column. This column lists the number of the figure where the item is identified/located in the repair parts list and special tools list work packages.

ITEM Column. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

Reference Designator Index Work Package. Reference designators in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combinations which places the first letter of digit of each group in order A through Z, followed by numbers 0 through 9 and each following letter or digit in like order.

REFERENCE DESIGNATOR Column. Indicates the reference designator assigned to the item.

FIG. Column. This column lists the number of the figure where the item is identified/located in the repair parts list and special tools list work packages.

ITEM Column. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

SPECIAL INFORMATION

UOC. The UOC appears in the lower left corner of the Description Column heading. Usable on codes are shown as "UOC:…" in the Description Column (justified left) on the first line under the applicable item/ nomenclature. Uncoded items are applicable to all models. Identification of the UOCs used in the RPSTL are:

Code	Used On
AL3	Mossberg, 12 Gauge, Shotgun, Model 500
AJ2	Mossberg, 12 Gauge, Shotgun, Model 590

Fabrication Instructions. Bulk materials required to manufacture items are listed in the bulk material functional group of the RPSTL. Part numbers for bulk material are also referenced in the Description Column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for the items source coded to be manufactured or fabricated are found in this manual.

HOW TO LOCATE REPAIR PARTS

1. When NSNs or P/Ns Are Not Known.

First. Using the table of contents, determine the assembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and sub-assembly groups, and lists are divided into the same groups.

Second. Find the figure covering the functional group or the sub-functional group to which the item belongs.

Third. Identify the item on the figure and note the number(s).

Fourth. Look in the repair parts list work packages for the figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.

2. When NSN Is Known.

First. If you have the NSN, look in the STOCK NUMBER column of the NSN index work package. The NSN is arranged in NIIN sequence. Note the figure and item number next to the NSN.

Second. Turn to the figure and locate the item number. Verify that the item is the one you are looking for.

3. When P/N Is Known.

First. If you have the P/N and not the NSN, look in the PART NUMBER column of the P/N index work package. Identify the figure and item number.

Second. Look up the item on the figure in the applicable repair parts list work package.

HOW TO LOCATE REPAIR PARTS (cont)

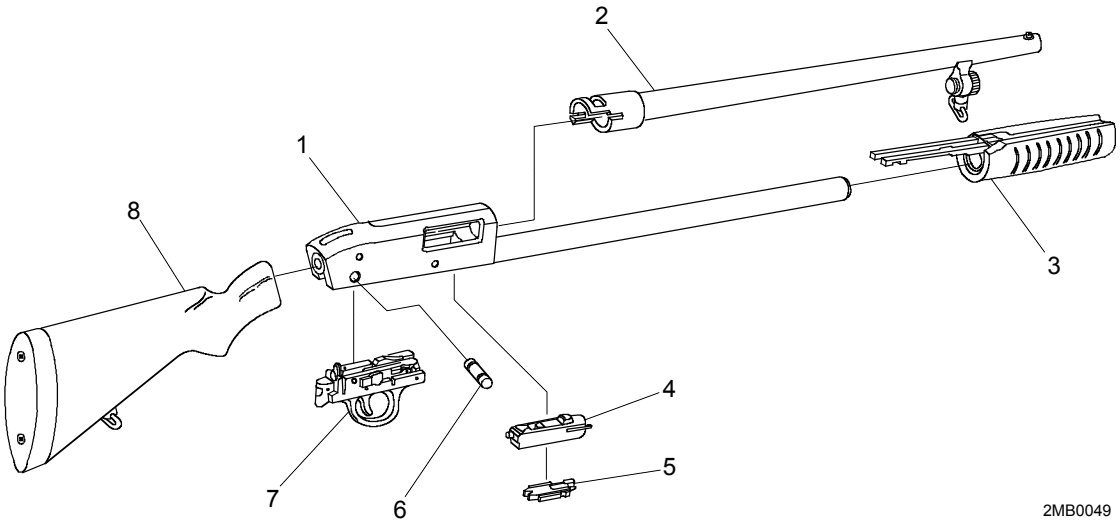
4. When Reference Designator Is Known.

First. If you know the reference designator, look in the REFERENCE DESIGNATOR column of the reference designator index work package. Note the figure and item number.

Second. Turn to the figure and locate the item number. Verify that the item is the one you are looking for.

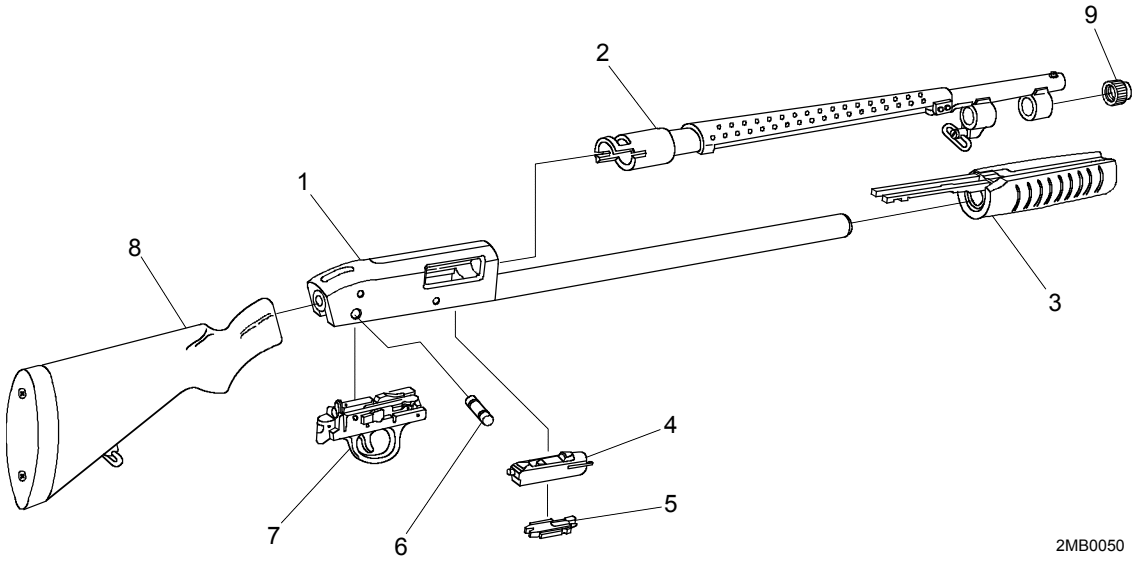
ABBREVIATIONS. N/A

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR
SHOTGUN, 12-GAUGE, MOSSBERG, MODEL 500, NSN 1005-01-085-1032, P/N MOD500
SHOTGUN, 12-GAUGE, MOSSBERG, MODEL 590, NSN 1005-01-251-8578, P/N MOD590



MODEL 500

Figure 1. Shotgun, 12-Gauge, Mossberg, Model 500, P/N MOD500 (1 of 2)



MODEL 590

Figure 1. Shotgun, 12-Gauge, Mossberg, Model 590, P/N MOD590 (2 of 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 00 FIGURE 1. SHOTGUN, 12-GAUGE, MOSSBERG, M500, P/N MOD500; SHOTGUN, 12-GAUGE, MOSSBERG, M590, P/N MOD590	
1	XAFFF		41758	10171MIL	RECEIVER ASSEMBLY SEE FIG. 2 FOR BRKDWN UOC: AL3	1
1	XAFFF		41758	10171A1	RECEIVER ASSEMBLY SEE FIG. 2 FOR BRKDWN UOC: AJ2	1
2	PAOFF	1005-01-512-9286	41758	3907P	BARREL ASSEMBLY SEE FIG. 3 FOR BRKDWN UOC: AL3	1
2	PAOFF	1005-01-523-1267	41758	16019P	BARREL ASSEMBLY SEE FIG. 3 FOR BRKDWN UOC: AJ2	1
3	AOOOO		41758	MOSS-05	FORE END SLIDE ASSEMBLY SEE FIG. 4 FOR BRKDWN UOC: AJ2, AL3	1
4	PAFFF	1005-01-512-2731	41758	6706P	BOLT ASSEMBLY SEE FIG. 5 FOR BRKDWN UOC: AJ2, AL3	1
5	PAFZZ	1005-01-512-2734	41758	6443P	BOLT SLIDE UOC: AJ2, AL3	1
6	PAOZZ	5315-01-512-2729	41758	1580P	PIN, TRIGGER HOUSING UOC: AJ2, AL3	1
7	PAFZZ	1005-01-520-5995	41758	13229MIL	TRIGGER HOUSING ASSEMBLY UOC: AJ2, AL3	1
8	PAOOO	1005-01-511-9538	41758	14762MIL	STOCK, GUN, SHOULDER SEE FIG. 6 FOR BRKDWN UOC: AJ2, AL3	1
9	PAFZZ	1005-01-520-5991	41758	11239P	CAP, RETAINING UOC: AJ2	1

END OF FIGURE

END OF WORK PACKAGE

**UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR
RECEIVER ASSEMBLY, NSNA, P/N 10171MIL;
RECEIVER ASSEMBLY, NSNA, P/N 10171A1 AND
SAFETY ASSEMBLY, NSNA, NPN**

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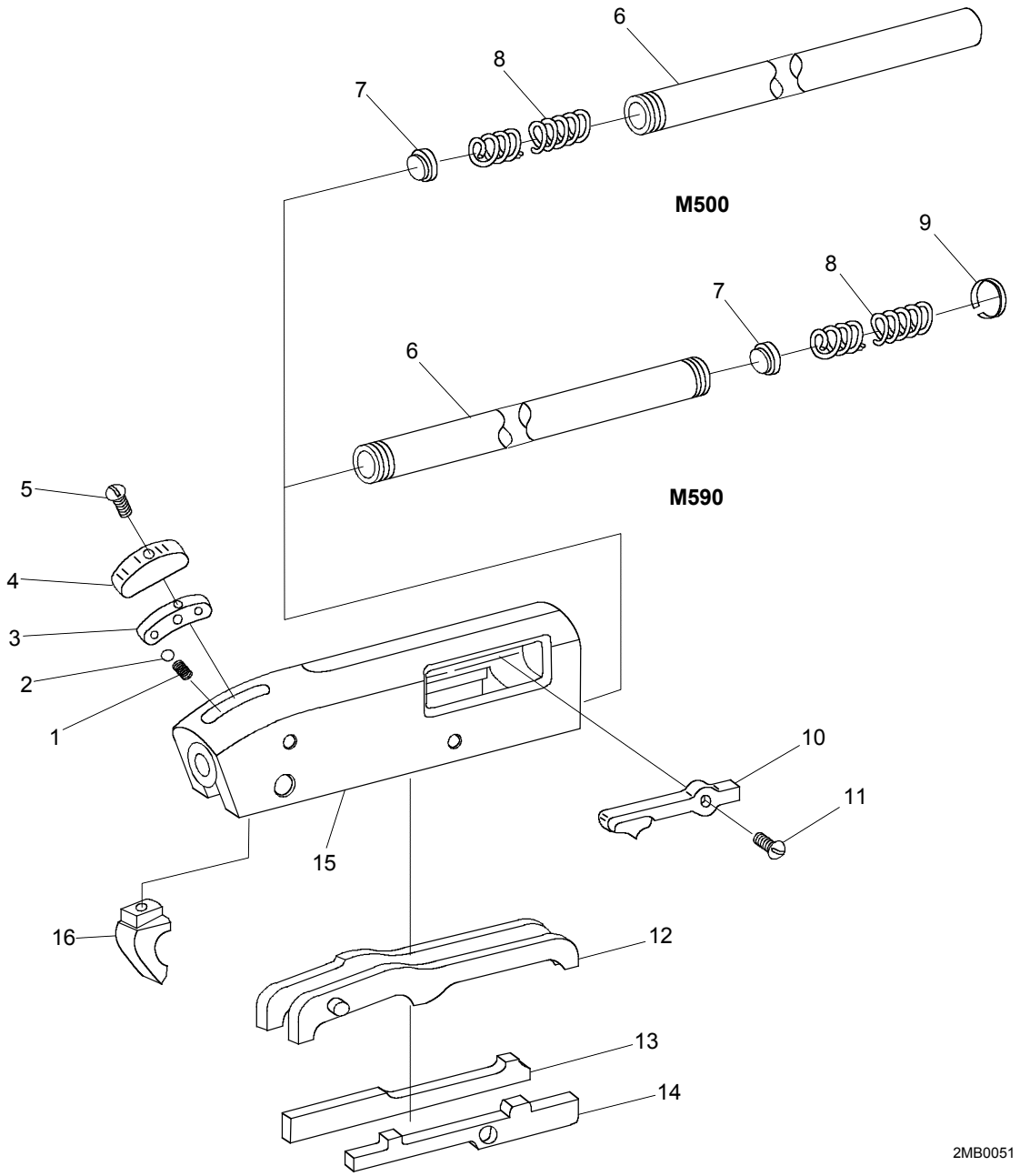

Figure 2. Receiver Assembly, P/N 10171MIL and Safety Assembly, NPN

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 02, 0201 FIGURE 2. RECEIVER ASSEMBLY, P/N 10171MIL; RECEIVER ASEMBLY, P/N 10171A1; AND SAFETY ASSEMBLY, NPN	
1	PAFZZ	5360-01-231-0419	41758	11761	SPRING, DETENT SAFETY UOC: AL3, AJ2	1
2	PAFZZ	1005-01-240-5003	41758	7349	BALL, SAFETY DETENT UOC: AL3, AJ2	1
3	PAFZZ	5365-01-290-6481	41758	7753	PLATE, SAFETY DETENT UOC: AL3, AJ2	1
4	PAFZZ	1005-01-285-0624	41758	13049P	SAFETY BUTTON UOC: AL3, AJ2	1
5	PAFZZ	5305-01-523-4871	41758	11125P	SCREW, SAFETY BUTTON UOC: AL3, AJ2	1
6	PAFZZ	1005-01-512-2741	41758	10342P	TUBE ASSEMBLY, MAGAZINE, 6-SHOT UOC: AL3	1
6	PAFZZ	1005-01-520-5993	41758	11241P	TUBE ASSEMBLY, MAGAZINE, 9-SHOT UOC: AJ2	1
7	PAFZZ	1005-01-513-3321	41758	1554P	FOLLOWER, CARTRIDGE UOC: AL3, AJ2	1
8	PAFZZ	5360-01-231-0420	41758	1553	SPRING, MAGAZINE UOC: AL3	1
8	PAFZZ	5360-01-285-0626	41758	11443	SPRING, MAGAZINE UOC: AJ2	1
9	PAFZZ	1005-01-391-3863	41758	12392P	RETAINER, CATCH, MAGAZINE UOC: AJ2	1
10	PAFZZ	1005-01-517-4151	41758	1538P	EJECTOR UOC: AL3, AJ2	1
11	PAFZZ	5305-01-523-6533	41758	1539P	SCREW, EJECTOR UOC: AL3, AJ2	1
12	PAFZZ	1005-01-512-2726	41758	1765P	ELEVATOR UOC: AL3, AJ2	1
13	PAFZZ	1005-01-512-2730	41758	7557P	CARTRIDGE STOP UOC: AL3, AJ2	1
14	PAFZZ	1005-01-512-2725	41758	7607P	CARTRIDGE INTERRUPTER UOC: AL3, AJ2	1
15	XAFFF		41758	M590-2	RECEIVER UOC: AJ2	1
15	XAFFF		41758	MOD500-10	RECEIVER UOC: AL3	1
16	PAFZZ	1005-01-512-2728	41758	7441P	LOCK, GUN, SAFETY UOC: AL3, AJ2	1
					END OF FIGURE	

END OF WORK PACKAGE

**UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR
BARREL ASSEMBLY, NSNA, P/N 16019P
BARREL ASSEMBLY, NSN 1005-01-512-9286, P/N 3907P**

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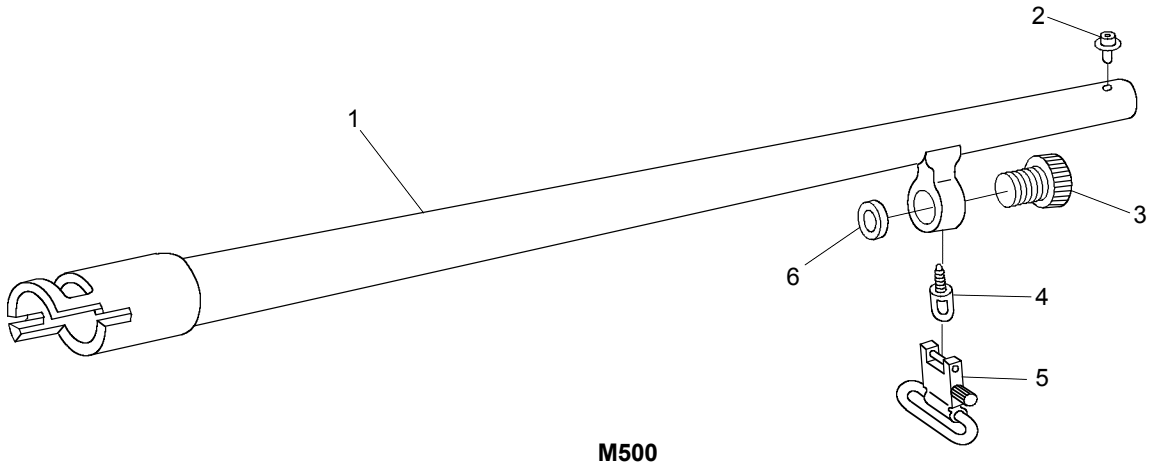
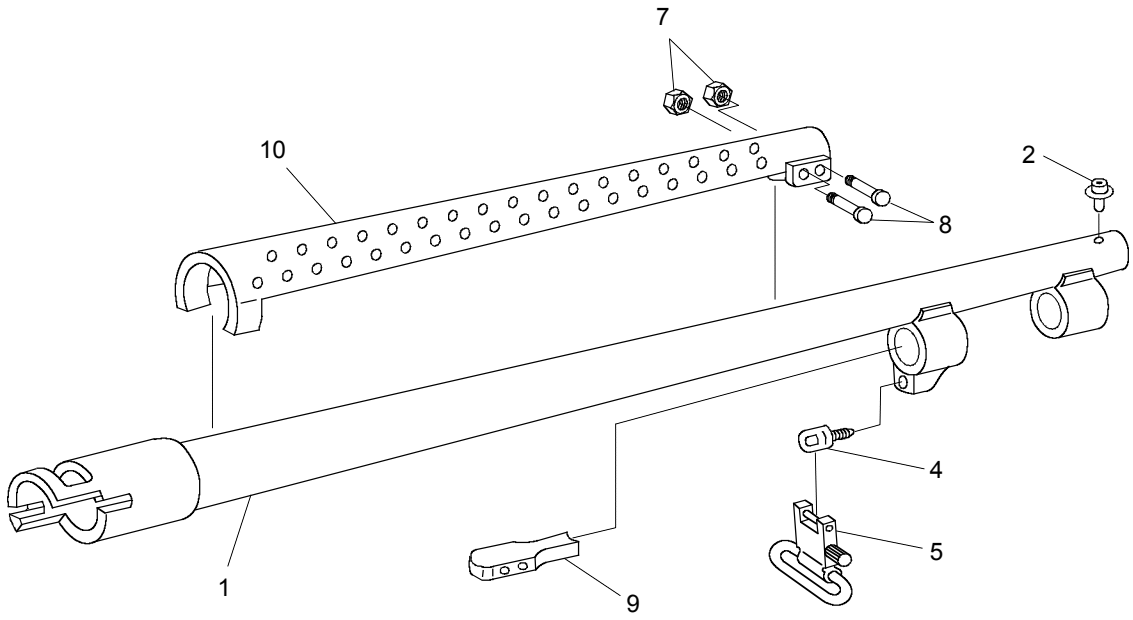
UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR
BARREL ASSEMBLY, NSNA, P/N 16019P
BARREL ASSEMBLY, NSN 1005-01-512-9286, P/N 3907P (cont)



M500



M590

2MB0052

Figure 3. Barrel Assembly, P/N 16019P; Barrel Assembly, P/N 3907P

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 03 FIGURE 3. BARREL ASSEMBLY, P/N 16019P; AND BARREL ASSEMBLY, P/N 3907P	
1	XAFZZ		41758	M500BRL-1	BARREL UOC: AL3	1
1	XAFZZ		41758	M590BRL-1	BARREL UOC: AJ2	1
2	PAFZZ	1005-01-523-3929	41758	13443P	SIGHT, FRONT SIGHT BEAD UOC: AL3	1
2	PAFZZ	1005-01-225-3817	41758	7457	SIGHT, FRONT SIGHT BEAD UOC: AJ2	1
3	PAFZZ	5305-01-512-2732	41758	3874P	SCREW ASSEMBLY UOC: AL3	1
4	PAOZZ	1005-01-512-2733	41758	12383P	FRONT SWIVEL POST KIT	1
5	PAOZZ	1005-01-512-4530	41758	12032MIL	SWIVEL ASSEMBLY	1
6	PAFZZ	5325-01-231-0546	41758	5393	RING, RETAINING UOC: AL3	1
7	PAOZZ	5310-01-294-3530	41758	10494	NUT, SELF-LOCKING UOC: AJ2	2
8	PAOZZ	5306-01-386-5356	41758	11588	SCREW UOC: AJ2	2
9	PAOZZ	5365-01-286-5186	41758	12086	SPACER, PLATE, HEAT SHIELD UOC: AJ2	1
10	PAOZZ	1005-01-523-1271	41758	16335P	HEAT SHIELD UOC: AJ2	1

END OF FIGURE

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR FORE END SLIDE ASSEMBLY, NSNA, P/N MOSS-05

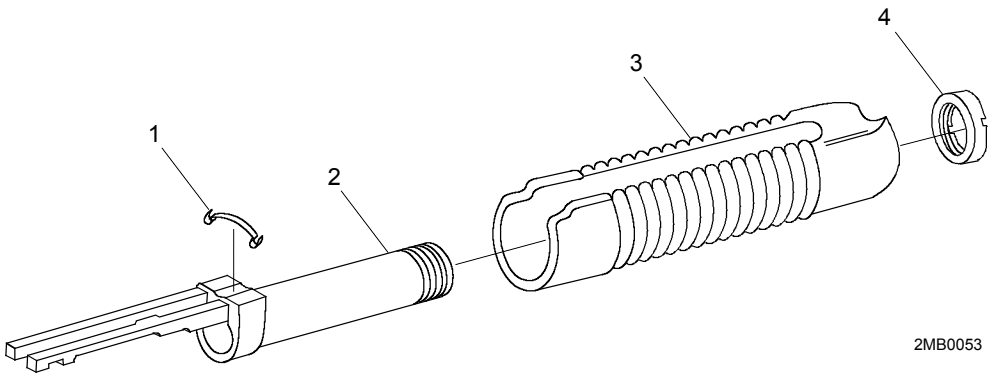


Figure 4. Fore End Slide Assembly, P/N MOSS-05

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 04	
					FIGURE 4. FORE END SLIDE ASSEMBLY, P/N MOSS-05	
1	PAFZZ	5360-01-512-2740	PAOZZ	13484P	SPRING, ANTI-RATTLE UOC: AL3	1
2	PAFZZ	1005-01-512-4413	PAOZZ	11603P	SLIDE ASSEMBLY, ACTION UOC: AL3, AJ2	1
3	PAFZZ	1005-01-285-0611	PAOZZ	10462	FORE END, SYSTHETIC RUBBER UOC: AL3, AJ2	1
4	PAFZZ	1005-01-513-0733	PAOZZ	3408P	NUT, ACTION SLIDE TUBE UOC: AL3, AJ2	1

END OF FIGURE

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR BOLT ASSEMBLY, NSN 1005-01-512-2731, P/N 6706P

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UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR BOLT ASSEMBLY, NSN 1005-01-512-2731, P/N 6706P

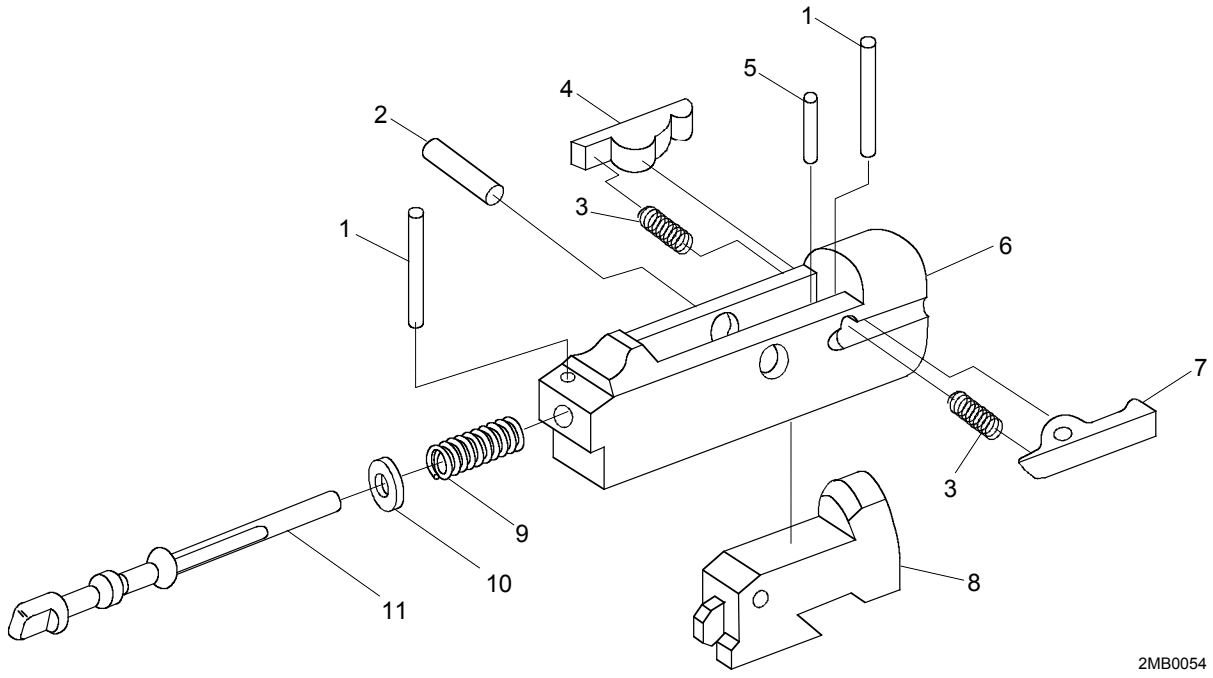

Figure 5. Bolt Assembly, P/N 6706P

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 05	
					FIGURE 5. BOLT ASSEMBLY, P/N 6706P	
1	PAFZZ	5315-01-512-9285	41758	1544P	PIN, RETAINING UOC: AJ2, AL3	2
2	PAFZZ	5315-01-512-9283	41758	1531P	PIN, BOLT LOCK UOC: AJ2, AL3	1
3	PAFZZ	5360-01-285-0145	41758	7330	SPRING, EXTRACTOR UOC: AJ2, AL3	2
4	PAFZZ	1005-01-512-2735	41758	12762P	EXTRACTOR LH UOC: AJ2, AL3	1
5	PAFZZ	1005-01-512-4412	41758	1599P	PIN, EXTRACTOR LH UOC: AJ2, AL3	1
6	XAFZZ		41758	3433P	BOLT UOC: AJ2, AL3	1
7	PAFZZ	1005-01-512-2739	41758	12761P	EXTRACTOR RH UOC: AJ2, AL3	1
8	PAFZZ	1005-01-512-2738	41758	16106P	LOCK, BOLT UOC: AJ2, AL3	1
9	PAFZZ	5360-01-512-2742	41758	14629MIL	SPRING, FIRING PIN UOC: AJ2, AL3	1
10	PAFZZ	5310-01-512-2736	41758	7429P	WASHER, FIRING PIN UOC: AJ2, AL3	1
11	PAFZZ	1005-01-512-2737	41758	11793P	PIN, FIRING UOC: AJ2, AL3	1

END OF FIGURE

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR
STOCK, GUN, SHOULDER, NSN 1005-01-511-9538, P/N 14762MIL

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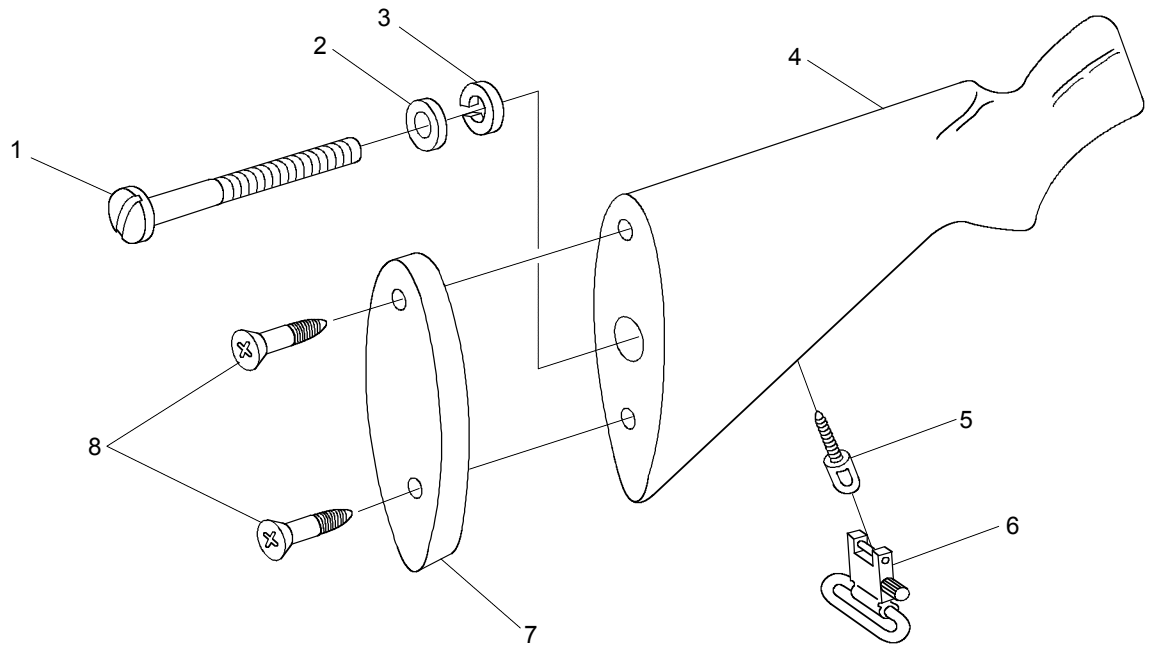


Figure 6. Stock, Gun, Shoulder, P/N 14762MIL

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 01	
					FIGURE 6. STOCK, GUN, SHOULDER, P/N 14762MIL	
1	PAOZZ	5305-01-284-7568	41758	11789	STOCK, BOLT UOC: AL3, AJ2	1
2	PAOZZ	5310-01-512-2724	41758	7613P	WASHER, LOCK UOC: AL3, AJ2	1
3	PAOZZ	5310-01-512-2727	41758	1571P	WASHER UOC: AL3, AJ2	1
4	XAOZZ		41758	16079	BUTTSTOCK, SYSTHETIC UOC: AL3, AJ2	1
5	PAOZZ	1005-01-512-4414	41758	6641P	SWIVEL POST UOC: AL3, AJ2	1
6	PAOZZ	1005-01-152-4530	41758	12032MIL	SWIVEL ASSEMBLY, REAR UOC: AL3, AJ2	1
7	PAOZZ	1005-01-518-4506	41758	16080	PAD, RECOIL UOC: AL3, AJ2	1
8	PAOZZ	5310-01-511-9536	41758	171P	SCREW, MACHINE UOC: AL3, AJ2	2

END OF FIGURE

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR GRIP, PISTOL, ASSEMBLY, NSN 1005-01-512-2743, P/N 7995P

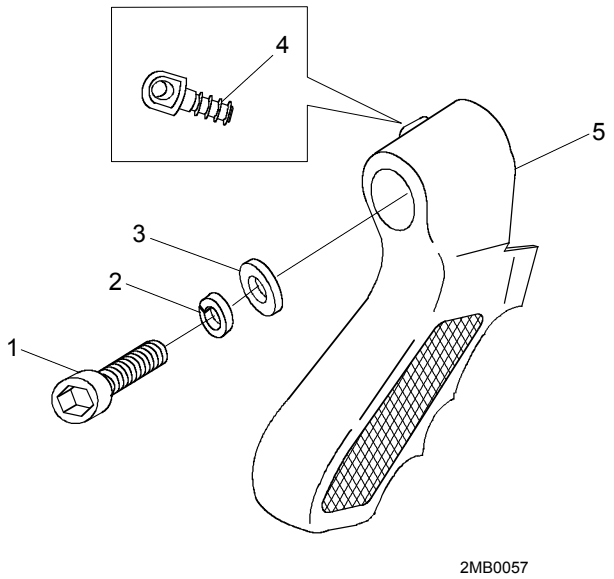


Figure 7. Grip, Pistol Assembly, P/N 7995P

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 01	
					FIGURE 7. GRIP, PISTOL ASSEMBLY, P/N 7995P	
1	PAOZZ	1005-01-525-5734	41758	7733P	SCREW, HEX. HEAD	1
2	PAOZZ	5310-01-512-2724	41758	7613P	LOCK-WASHER	1
3	PAOZZ	5310-01-512-2727	41758	1571P	WASHER	1
4	PAOZZ	1005-01-512-4414	41758	6641P	SWIVEL	1
5	XAOZZ		41758	7679	GRIP, PISTOL	1

END OF FIGURE

END OF WORK PACKAGE

CROSS REFERENCE LIST – PART NUMBER

PART NUMBER	NATIONAL STOCK NUMBER	FIG.	ITEM
10171A1		1	1
10171MIL		1	1
10342P	1005-01-512-2741	2	6
10462	1005-01-285-0611	4	3
10494	5310-01-294-3530	3	7
11125P	5305-01-523-4871	2	5
11239P	1005-01-520-5991	1	9
11241P	1005-01-520-5993	2	6
11443	5360-01-285-0626	2	8
11588	5306-01-386-5356	3	8
11603P	1005-01-512-4413	4	2
11761	5360-01-231-0419	2	1
11789	5305-01-284-7568	6	1
11793P	1005-01-512-2737	5	11
12032MIL	1005-01-512-4530	3	4
12032MIL	1005-01-152-4530	6	6
12086	5365-01-286-5186	3	9
12383P	1005-01-512-2733	3	5
12392P	1005-01-391-3863	2	9
12761P	1005-01-512-2739	5	7
12762P	1005-01-512-2735	5	4
13049P	1005-01-285-0624	2	4
13229MIL	1005-01-520-5995	1	7
13443P	1005-01-523-3929	3	2
13484P	5360-01-512-2740	4	1
14629MIL	5360-01-512-2742	5	9
14762MIL	1005-01-511-9538	1	8
1531P	5315-01-512-9283	5	2
1538P	1005-01-517-4151	2	10
1539P	5305-01-523-6533	2	11
1544P	5315-01-512-9285	5	1
1553	5360-01-231-0420	2	8
1554P	1005-01-513-3321	2	7
1571P	5310-01-512-2727	6	3
1571P	5310-01-512-2727	7	3
1580P	5315-01-512-2729	1	6
1599P	1005-01-512-4412	5	5

CROSS REFERENCE LIST – PART NUMBER (cont)

PART NUMBER	NATIONAL STOCK NUMBER	FIG.	ITEM
16019P	1005-01-523-1267	1	2
16079		6	4
16080	1005-01-518-4506	6	7
16106P	1005-01-512-2738	5	8
16335P	1005-01-523-1271	3	10
171P	5310-01-511-9536	6	8
1765P	1005-01-512-2726	2	12
3408P	1005-01-513-0733	4	4
3433P		5	6
3874P	5305-01-512-2732	3	3
3907P	1005-01-512-9286	1	2
5393	5325-01-231-0546	3	6
6443P	1005-01-512-2734	1	5
6641P	1005-01-512-4414	6	5
		7	4
6706P	1005-01-512-2731	1	4
7330	5360-01-285-0145	5	3
7349	1005-01-240-5003	2	2
7429P	5310-01-512-2736	5	10
7441P	1005-01-512-2728	2	16
7457	1005-01-225-3817	3	2
7557P	1005-01-512-2730	2	13
7607P	1005-01-512-2725	2	14
7613P	5310-01-512-2724	6	2
		7	2
7679		7	5
7733P	1005-01-525-5764	7	1
7753	5365-01-290-6481	2	3
7995P	1005-01-512-2743	7	
M500BRL-1		3	1
M590-2		2	15
M590BRL-1		3	1
MOD500	1005-01-085-1032	1	
MOD500-10		2	15
MOD590	1005-01-251-8578	1	
MOSS-05		1	3

END OF WORK PACKAGE

CROSS REFERENCE LIST – NATIONAL STOCK NUMBER

PART NUMBER	NATIONAL STOCK NUMBER	FIG.	ITEM
6641P	1005-01-512-4414	7	4
7733P	1005-01-525-5764	7	1
MOD500	1005-01-085-1032	1	
12032MIL	1005-01-152-4530	6	6
7457	1005-01-225-3817	3	2
1553	5360-01-231-0420	2	8
11761	5360-01-231-0419	2	1
7349	1005-01-240-5003	2	2
MOD590	1005-01-251-8578	1	
11789	5305-01-284-7568	6	1
7330	5360-01-285-0145	5	3
10462	1005-01-285-0611	4	3
13049P	1005-01-285-0624	2	4
11443	5360-01-285-0626	2	8
5393	5325-01-231-0546	3	6
12086	5365-01-286-5186	3	9
7753	5365-01-290-6481	2	3
10494	5310-01-294-3530	3	7
11588	5306-01-386-5356	3	8
12392P	1005-01-391-3863	2	9
171P	5310-01-511-9536	6	8
14762MIL	1005-01-511-9538	1	8
7613P	5310-01-512-2724	6	2
		7	2
7607P	1005-01-512-2725	2	14
1765P	1005-01-512-2726	2	12
1571P	5310-01-512-2727	6	3
		7	3
7441P	1005-01-512-2728	2	16
1580P	5315-01-512-2729	1	6
7557P	1005-01-512-2730	2	13
6706P	1005-01-512-2731	1	4
3874P	5305-01-512-2732	3	3
12383P	1005-01-512-2733	3	5
6443P	1005-01-512-2734	1	5
12762P	1005-01-512-2735	5	4
7429P	5310-01-512-2736	5	10
11793P	1005-01-512-2737	5	11

CROSS REFERENCE LIST – NATIONAL STOCK NUMBER (cont)

PART NUMBER	NATIONAL STOCK NUMBER	FIG.	ITEM
16106P	1005-01-512-2738	5	8
12761P	1005-01-512-2739	5	7
13484P	5360-01-512-2740	4	1
10342P	1005-01-512-2741	2	6
14629MIL	5360-01-512-2742	5	9
7995P	1005-01-512-2743	7	
1599P	1005-01-512-4412	5	5
11603P	1005-01-512-4413	4	2
6641P	1005-01-512-4414	6	5
12032MIL	1005-01-512-4530	3	4
1531P	5315-01-512-9283	5	2
1544P	5315-01-512-9285	5	1
3907P	1005-01-512-9286	1	2
3408P	1005-01-513-0733	4	4
1554P	1005-01-513-3321	2	7
1538P	1005-01-517-4151	2	10
16080	1005-01-518-4506	6	7
11239P	1005-01-520-5991	1	9
11241P	1005-01-520-5993	2	6
13229MIL	1005-01-520-5995	1	7
16019P	1005-01-523-1267	1	2
13443P	1005-01-523-3929	3	2
11125P	5305-01-523-4871	2	5
16335P	1005-01-523-1271	3	10
1539P	5305-01-523-6533	2	11

END OF WORK PACKAGE

COMPONENTS OF THE END ITEM AND BASIC ISSUE ITEMS

This work package lists components of the end item and basic issue items for the shotgun to help you inventory items required for safe and effective operation.

The Components of the End Item (COEI) and Basic Issue Items (BII) lists are divided into the following:

Components of the End Item (COEI): This is for informational purposes only and is not authority to requisition replacements. These items are part of the end item but are removed and separately packaged for transportation or shipment. As part of the end item, these items must be with the end item whenever it is issued or transferred between property accounts. Illustrations are furnished to assist you in identifying the items.

These are the minimum essential items required to place the machine gun in operation, to operate it, and to perform emergency repairs. Although shipped separately packaged, BII must be with the machine gun during operation and whenever it is transferred between property accounts. The illustrations will assist you with hard to identify items. This manual is your authority to request/ requisition replacement BII, based on TOE/MTOE authorization of the end item.

EXPLANATION OF COLUMNS. The following provide an explanation of columns found in the tabular listings:

Column (1) – Illus. Number, gives you the number of the item illustrated.

Column (2) – National Stock Number, the stock number of the item to be used for requisitioning purposes.

Column (3) – Description and Usable On Code, identifies the Federal item name (in capital letters) followed by a minimum description when needed. The last line below the description is the CAGEC (in parenthesis) and the part number. If the item you need is not the same for different models of the equipment, a Usable On Code will appear on the right side of the description column on the same line as the part number. These codes are identified

Code	Used On
AJ2	Shotgun, 12-Gauge, Mossberg Model M590
AI3	Shotgun, 12-Gauge, Mossberg Model M500

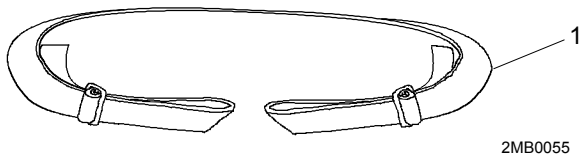
Column (4) – U/M, indicates how the item is issued for the National Stock Number shown in column (2).

Column (5) – Qty Rqd, indicates the quantity required.

COMPONENTS OF THE END ITEM

Table 1. Components of the End Item

(1) ILLUS NUMBER	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION CAGEC AND PART NUMBER	USABLE ON CODE	(4) U/M	(5) QTY RQD
1	1005-01-216-4510	SLING, BLACK NYLON (19200) 12624561		EA	1



COMPONENTS OF THE END ITEM AND BASIC ISSUE ITEMS (cont)

BASIC ISSUE ITEMS

There are no Basic Issue Items for these shotguns.

END OF WORK PACKAGE

ADDITIONAL AUTHORIZATION LIST (AAL)

INTRODUCTION

Scope

This work package lists additional items you are authorized for the support of your shotgun.

General

This list identifies items that do not have to accompany the mount and that do not have to be turned in with it. These items are authorized to you by CTA, MTOE, TDA, or JTA.

Explanation of Columns in the AAL

Column (1) – National Stock Number (NSN). Identifies the stock number of the item to be used for requisitioning purposes.

Column (2) – Description, Commercial and Government Entity Code, and Part Number (CAGEC), and Part Number (P/N). Identifies the Federal item name (in all Capital letters) followed by a minimum description when needed. The last line below the description is the CAGEC (in parentheses) and the part number.

Column (3) – Usable On Code. When applicable, gives you a code if the item you need is not the same for different models of equipment. These codes are identified below.

Code	Used On
AJ2	Shotgun, 12-Gauge, Mossberg Model M590
Al3	Shotgun, 12-Gauge, Mossberg Model M500

Column (4) – Unit of Issue (U/I). Indicates the physical measurement or count of the item as issued per the National Stock Number shown in column (1).

Column (5) – Qty Recm. Indicates the quantity recommended.

ADDITIONAL AUTHORIZATION LIST (AAL)

Table 1. Additional Authorization List

(1) ILLUS NUMBER	(2) NATIONAL STOCK NUMBER	(3) DESCRIPTION CAGEC AND PART NUMBER	USABLE ON CODE	(4) U/M	(5) QTY RQD
1	1005-01-455-0565	CLEANING KIT, GUN (01VS3) 410-8		KT	1
2	8465-00-261-6944	CASE, SHOTGUN, AMMUNITION (81349) MIL-C-1690		KT	1
3	1005-01-512-2743	GRIP, PISTOL, ASSEMBLY (41758) 7995P		EA	1

END OF WORK PACKAGE

EXPENDABLE AND DURABLE ITEMS LIST

INTRODUCTION

Scope

This work package lists expendable and durable items that you will need to operate and maintain the Shotgun. This list is for information only and is not authority to requisition the listed items. These items are authorized to you by CTA 50-970, Expendable /Durable Items (Except Medical, Class V Repair Parts, and heraldic Items), or CTA 8-100, Army Medical Department Expendable/Durable Items.

Explanation of Columns in the Expendable/Durable Items List

Column (1) – Item Number. This number is assigned to the entry in the list and is listed in the narrative instructions to identify the item (e.g., Use brake fluid (item 5, WP 0098 00.).

Column (2) – Level. This column identifies the lowest level of maintenance that requires the listed item.

C – Operator/Crew
O – Unit Maintenance
F – Direct Support Maintenance

Column (3) – National Stock Number (NSN). This is the NSN assigned to the item which you can use to requisition it.

Column (4) – Item Name, Description, Commercial and Government Entity Code (CAGEC), and Part Number (P/N). This column identifies the other information you need to identify the item.

Column (5) – Unit of Measure. This code shows the physical measurement or count of an item, such as gallon, dozen, gross, etc.

EXPENDABLE AND DURABLE ITEMS LIST (cont)

EXPENDABLE AND DURABLE ITEMS LIST

Table 1. Expendable /Durable Items List

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) QTY
1	C	1005-00-494-6602	BRUSH, CLEANING, SMALL ARMS (19204) 8448462	EA
			NOTE CLP is an alternative to LSA and LAW. Do not mix lubricants on the same weapon. The weapon must be thoroughly cleaned with cleaning solvent before changing lubricants.	
2	C		CLEANER, LUBRICANT AND PRESERVATIVE: Grade 2 (CLP) (81349) MIL-PRF-63460	
		9150-01-054-6453	1 pint bottle	PT
		9150-01-053-6688	1 gal bottle	GL
3	C		CLEANING, SOLVENT (81349) MIL-PRF-680, Type 2	
		6850-01-474-2319	1 gal can	GL
4	C		LUBRICANT, SOLID FILM (81349) MIL-L-23398	
		9150-01-260-2534	16 oz aerosol can	OZ
5	C		LUBRICATING OIL, WEAPONS (LAW) (81349) MIL-PRF-14107	
		9150-00-292-9689	1 qt can	QT
6	C		LUBRICATING OIL, WEAPONS (LSA) (81349) MIL-L-46000	
		9150-00-753-4686	1 gal can	GL
7	C		RAG, WIPING (80244) A-A-531	
		7920-00-205-1711	50 lb bale	LB
8	C		RIFLE BORE CLEANING COMPOUND (RBC): Solution type (81349) MIL-C-372	
		6850-00-224-6657	8 oz can	OZ
		6850-00-224-6663	1 gal can	GL
9	C		SWAB, SMALL ARMS CLEANING (19204) 5019316	
		1005-00-228-3565	1000 pkg	EA

END OF WORK PACKAGE

ALPHABETICAL INDEX

ALPHABETICAL INDEX

WP Sequence No.

M (cont)

N

O

P

Q

R

S

T

U

W

RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS For use of this form, see AR 25-30; the proponent agency is OAASA	Use Part II *(reverse)* for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).	DATE
TO: *(Forward to proponent of publication or form) (Include ZIP Code)*	FROM: *(Activity and location) (Include ZIP Code)*	

PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS

PUBLICATION/FORM NUMBER	DATE	TITLE

ITEM	PAGE	PARA-GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON

** Reference to line numbers within the paragraph or subparagraph.*

TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE

TO: *(Forward direct to addressee listed in publication)*	FROM: *(Activity and location) (Include ZIP Code)*	DATE

PART II - REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

PUBLICATION NUMBER	DATE	TITLE

PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION

PART III - REMARKS *(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)*

TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE

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By Order of the Secretary of the Army:

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Chief of Staff

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