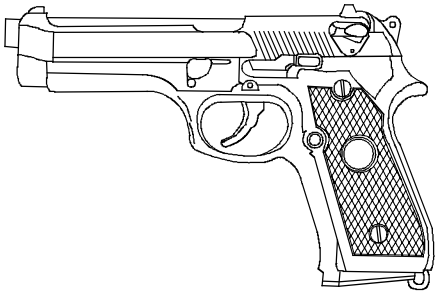
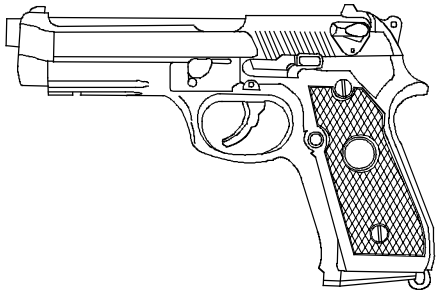
ARMY TM 9-1005-317-23&P
AIR FORCE TO 11W3-3-5-4
COAST GUARD COMDTINST M8370.6
MARINE CORPS TM 08993-IN/2
NAVY SW 370-AA-OPI-010/9mm

TECHNICAL MANUAL
UNIT AND DIRECT SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)
FOR
PISTOL, SEMIAUTOMATIC, 9mm, M9
(1005-01-118-2640) EIC: 4MN
AND
PISTOL, SEMIAUTOMATIC, 9mm, M9A1
(1005-01-525-7966)



M9 PISTOL



M9A1 PISTOL

SUPERSEDURE NOTICE: This Technical Manual supersedes TM 9-1005-317-23&P, dated 16 October 1987, and all changes.

DEPARTMENTS OF THE ARMY, AIR FORCE, COAST GUARD,
MARINE CORPS AND NAVY

FEBRUARY 2007

Marine Corps Publication Control Number: 184 089931 00

WARNING SUMMARY

This warning summary contains general safety warning and hazardous materials warnings that must be understood and applied during operation and maintenance of this equipment. Failure to observe these precautions could result in serious injury or death to personnel. Also included are explanations of safety and hazardous materials icons used within this technical manual.

FIRST AID

For first aid information, refer to FM 4-25.11, First Aid.
Air Force personnel refer to AFMAN 44-163 (I), First Aid

EXPLANATION OF SAFETY WARNING ICONS

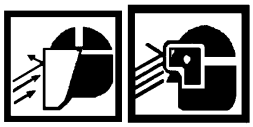
FLYING PARTICLES - arrows bouncing off face with face shield shows that particles flying through the air will harm face.

EXPLOSION - rapidly expanding symbol shows that the material may explode if subjected to high temperatures, sources of ignition, or high pressure.

EYE PROTECTION - person with goggles shows that the material will injure the eyes.

GENERAL SAFETY WARNINGS DESCRIPTION

WARNING



Use care when removing/installing recoil spring and spring guide. Because of the amount of compression, assembly will be released under spring tension and could cause possible injury to personnel, or become damaged or lost. To avoid injury to eyes, wear eye protection when removing or installing spring-loaded parts.

Cover the top of the trigger cavity to prevent ejection or loss of the trigger/sear spring, or possible injury to personnel during removal of the trigger pin.

During removal/installation of the lanyard loop spring pin, be sure the punch is left in place to prevent accidental loss of parts or injury to personnel.

When applying pressure to the center/coil area of trigger spring, use care to prevent ejection of trigger spring as it could become lost or cause possible injury to personnel.

GENERAL SAFETY WARNINGS DESCRIPTION- cont

WARNING

For safety care, and handling of ammunition, Army users refer to TM 9-1005-317-10; Navy and Coast Guard users refer to OP 4 or OP 5. Air Force users will follow the guidance in AFI 21-201, Management and Maintenance of Non Nuclear Munitions, and AFMAN 91-201, Explosives Safety Standard.

Publications for firing, handling, care and preservation or destruction of ammunition are AR 385-63 (Range Safety), TM 43-0001-27 (Army, Ammunition Data Sheets for Small Caliber Ammunition), and TM 9-1005-317-10. Navy and Coast Guard users refer to OP 4 and OP 5. Air Force users refer to AFI 21-201, Management and Maintenance of Non Nuclear Munitions, and AFMAN 91-201, Explosive Safety Standards. Marine Corps users refer to MCO 3570.1B

The M9 and M9A1 Pistols incorporate single and double action modes of fire. Anytime the trigger is pulled with the decocking/safety lever in the fire (up) position and a round in the chamber, the pistol will fire from the hammer down, half cock or full cock positions.

The decocking/safety lever can be moved to the fire (up) position with a minimum amount of force. This could happen during removal of the pistol from the M12 holster if carried in the safe (down) position and/or during careless handling.

A potential safety hazard exists if the firing pin block is missing or does not return flush with the slide after firing.

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

Before performing the safety/function check, clear the pistol and magazine in accordance with the unloading procedures in the operator's manual.

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. Make sure the magazine is removed, the pistol is clear of ammunition and the barrel and chamber have no obstructions. Do not keep live ammunition near work/ maintenance area.

Make certain weapon is clear and there are no obstructions in the barrel or chamber. Do not keep live ammunition near work/maintenance area.

EXPLANATION OF HAZARDOUS MATERIALS ICONS

EYE PROTECTION – person with goggles shows that the material will injure the eyes.

CHEMICAL – drops of liquid on hand shows that the material will cause burns or irritation to human skin or tissue.

FIRE – flame shows that a material may ignite and cause burns.

VAPOR – human figure in a cloud shows that material vapors present danger to life or health.

HAZARDOUS MATERIALS DESCRIPTION

WARNING

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

ARMY TM 9-1005-317-23&P
AIR FORCE TO 11W3-3-5-4
COAST GUARD COMDTINST M8370.6
MARINE CORPS TM 08993-IN/2
NAVY SW 370-AA-OPI-010/9mm
C2

HEADQUARTERS
DEPARTMENT OF THE ARMY,
AIR FORCE, COAST GUARD, AND NAVY
AND COMMANDANT OF THE MARINE CORPS
Washington, D.C., *4 April 2008*

CHANGE

NO. 2

TECHNICAL MANUAL
UNIT AND DIRECT SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)
FOR
PISTOL, SEMIAUTOMATIC, 9MM, M9
(1005-01-118-2640) (EIC: 4MN)
AND
PISTOL, SEMIAUTOMATIC, 9MM, M9A1
(1005-01-525-7966)

TM 9-1005-317-23&P, 28 February 2007, is updated as follows:

1. File this sheet in front of manual for reference.
2. New or updated information is indicated by a vertical bar in the margin of the page and a change designator at the bottom of the page.

3. Remove old pages and insert new pages as indicated below.

Remove Pages	Insert Pages
a thru c	a thru c
A/B blank	A/B blank
iii and iv	iii and iv
0006 00-1-0006 00-2	0006 00-1-0006 00-2
0020 00-3-0020 00-4	0020 00-3-0020 00-4

4. Replace the following work packages with their revised version.

Work Package Number	Work Package Number
WP 0008 00	WP 0026 00
WP 0015 00	WP 0027 00
WP 0017 00	WP 0028 00
WP 0022 00	WP 0031 00
WP 0023 00	WP 0032 00

By Order of the Secretary of the Army:

GEORGE W. CASEY, JR
General, United States Army
Chief of Staff

Official:

JOYCE E. MORROW
Administrative Assistance to the
Secretary of the Army
0808601

By Order of the Secretary of the Air Force:

T. Michael MOSELEY
General, United States Air Force
Chief of Staff

BRUCE CARLSON
General, United States Air Force
Commander, AFMC

By Order of the Secretary of the Navy:

JERRY GASKILL
Small Arms Program Manager
Naval Sea Systems Command

By Order of the Commandant of the Marine Corps:

T. J. TAFOLLA
Program Manager, Infantry Weapons
Marine Corps Systems Command

By Order of the Secretary of the Coast Guard:

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MARINE CORPS DISTRIBUTION: PCN 184 089931 02

ARMY TM 9-1005-317-23&P
AIR FORCE TO 11W3-3-5-4
COAST GUARD COMDTINST M8370.6
MARINE CORPS TM 08993-IN/2
NAVY SW 370-AA-OPI-010/9mm
C1

HEADQUARTERS
DEPARTMENT OF THE ARMY,
CHANGE AIR FORCE, COAST GUARD, AND NAVY
AND COMMANDANT OF THE MARINE CORPS
NO. 1 Washington, D.C., *14 December 2007*

TECHNICAL MANUAL
UNIT AND DIRECT SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)
FOR
PISTOL, SEMIAUTOMATIC, 9MM, M9
(1005-01-118-2640) (EIC: 4MN)
AND
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(1005-01-525-7966)

DISTRIBUTION RESTRICTION STATEMENT C: Distribution authorized to U.S. Government agencies and their contractors. This publication is required for administration and operational purposes, as determined 9 Jan 89. Other requests for this document shall be referred to TACOM Life Cycle Management Command, ATTN: AMSTA-LC-LMPP/TECH PUBS, 1 Rock Island Arsenal, Rock Island, IL 61299-7630.

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Air Force requests for this document shall be referred to 542 CBSS/GBHDE, Warner Robins AFB, GA 31098-1640.

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TM 9-1005-317-23&P, 28 February 2007, is updated as follows:

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3. Remove old pages and insert new pages as indicated below.

Remove Pages	Insert Pages
A/B blank	A/B blank
i	i

4. Replace the following work packages with their revised version.

Work Package Number
WP 0011 00
WP 0023 00
WP 0026 00
WP 0027 00
WP 0028 00
WP 0029 00
WP 0030 00

By Order of the Secretary of the Army:

GEORGE W. CASEY, JR
General, United States Army
Chief of Staff

Official:

JOYCE E. MORROW
Administrative Assistance to the
Secretary of the Army
0731802

By Order of the Secretary of the Air Force:

T. Michael MOSELEY
General, United States Air Force
Chief of Staff

BRUCE CARLSON
General, United States Air Force
Commander, AFMC

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JERRY GASKILL
Small Arms Program Manager
Naval Sea Systems Command

By Order of the Marine Corps:

T. J. TAFOLLA
Program Manager, Infantry Weapons
Marine Corps Systems Command

By Order of the Secretary of the Coast Guard:

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LIST OF EFFECTIVE PAGES

NOTE: A vertical line in the outer margins of the page indicates the portion of text affected by a change.

Dates of issue for original and changed pages/work packages are:

Original 0 28 February 2007 Change 2 4 April 2008
Change 1 14 December 2007

Page/WP No.	*Change No.	Page/WP No.	*Change No.
Cover	0	WP 0017 00	2
a-d	2	WP 0018 00	0
A-B	2	WP 0019 00	0
i-vi	2	WP 0020 00	2
WP 0001 00	0	WP 0021 00	0
WP 0002 00	0	WP 0022 00	2
WP 0003 00	0	WP 0023 00	2
WP 0004 00	0	WP 0024 00	0
WP 0005 00	0	WP 0025 00	0
WP 0006 00	2	WP 0026 00	2
WP 0007 00	0	WP 0027 00	2
WP 0008 00	2	WP 0028 00	2
WP 0009 00	0	WP 0029 00	1
WP 0010 00	0	WP 0030 00	1
WP 0011 00	1	WP 0031 00	2
WP 0012 00	0	WP 0032 00	2
WP 0013 00	0	INDEX	0
WP 0014 00	0	Back Cover	0
WP 0015 00	2		
WP 0016 00	0		

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

ARMY TM 9-1005-317-23&P
AIR FORCE TO 11W3-3-5-4
COAST GUARD COMDTINST M8370.6
MARINE CORPS TM 08993-IN/2
NAVY SW 370-AA-MMO-010/9mm

HEADQUARTERS,
DEPARTMENTS OF THE ARMY,
AIR FORCE, COAST GUARD AND NAVY
AND COMMANDANT OF THE MARINE CORPS,
WASHINGTON, DC, *28 February 2007*

UNIT AND DIRECT SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR PISTOL, SEMIAUTOMATIC, 9mm, M9 (1005-01-118-2640) (EIC: 4MN) AND PISTOL, SEMIAUTOMATIC, 9mm, M9A1 (1005-01-525-7966)

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 Publications and Blank Forms), 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: TACOM Life Cycle Management Command, AMSTA-LC-LMPP/ TECH PUBS, TACOM-RI, 1 Rock Island ARSENAL, IL 61299-7630. The e-mail address is ROCK-TACOM-TECH-PUBS@conus.army.mil. The fax number is DSN 793-0726 or commercial (309) 782-0726. Air Force users submit AFTO Form 22 through the respective MAJCOM in the Joint Computer-aided Acquisition and Logistics Support (JACALS) system. Follow the guidance in accordance with Section 5 of Air Force Technical Order 00-5-1. Marine Corps users submit NAVMC Form 10772 via Marine Corps Publications website at: https://pubs.ala.usmc.mil . Navy users submit Recommended Changes to Publications to: Naval Surface Warfare Center, Crane Division, Code 4081, Crane, IN 47522-5001. Coast Guard users submit Publications Correction/Change Report form CG 4394 to Commandant, U.S. Coast Guard (G-ODO-2), Washington, DC 20593-0001.

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This manual supersedes Army TM 9-1005-317-23&P, Air Force TO 11W3-3-5-4, Coast Guard COMDTINST M8370.7, Marine Corps TM 9-1005-23&P/2 and Navy SW 370-AA-MMO-010/9mm, dated 16 October 1987 and all changes.

MARINE CORPS DISTRIBUTION: PCN 184 089931 01

TABLE OF CONTENTS

WP Sequence Number

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 0020 00.

CHAPTER 1

GENERAL INFORMATION

GENERAL INFORMATION

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

SCOPE

Type of Manual: Unit and Direct Support Maintenance Manual including Repair Parts and Special Tools List.

Model Number and Equipment Name: Pistol, 9mm, Semiautomatic, M9 and Pistol, 9mm, Semiautomatic, M9A1

Purpose of Equipment: Provides personal defense protection close in offensive capabilities.

MAINTENANCE FORMS, RECORDS, AND REPORTS. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 750-8, Functional users Manual for the Army Maintenance Management System (TAMMS). Marine Corps users refer to TM 4700-15/1, Ground Equipment Record Procedures. Air Force users refer to TO 11W-1-10 and AFTO Form 105 for documenting weapon maintenance. Marine Corps users refer to TM 4700-15/1, Ground Equipment Record Procedures.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR). If your pistol needs improvement, let us know. Send us an 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. Coast Guard users submit QDRs (SF 368) in accordance with COMDTINST M4855.1 to: Commandant, U.S. Coast Guard, (G-ODO-2), Washington, DC 20593-0001. We'll send you a reply. Marine Corps users submit QDR'S on SF 368 in accordance with MCO 4855.10 to Commanding General, Marine Corps Logistics Base (Code 808), Albany, GA 31704-5000. Air Force users submit QDR'S in accordance with the guidance in TO 00-35D-54, USAF Deficiency Reporting and Investigating System. Navy users submit Quality Deficiency Report to Commander, Naval Surface Warfare Center, Crane Division, Code 4081, Crane, IN 47522-5001. 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.

Marine Corps users: The prevention of corrosion on any equipment is important and is critically important for safe functioning of your machine gun. Corrosion prevention is carried out in accordance with TM 3080-12 (Corrosion Prevention and Control for Marine Corps Equipment). If a recurrent corrosion problem is identified, it should be reported on SF 368 (Product Quality Deficiency Report) in accordance with guidance contained in MCO 4855.10 (Product Quality Deficiency Report).

Navy users submit either Product Quality Deficiency Report or Materiel Deficiency Report (MDR) to Commander, Naval Surface Warfare Center, Crane Division, Code 4081, Crane, IN 47522-5001.

GENERAL INFORMATION (cont)

Air Force users should submit either a Quality Deficiency Report of a Material Deficiency Report in accordance with the guidance provided in TO 00-35D-54, USAF Deficiency Reporting and Investigating System.

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

DEMILITARIZATION OF SMALL ARMS RESIDUE. To prevent unauthorized use of replaces (used components/subassemblies of weapons and associated small arms equipment following repair, demilitarization will be accomplished in accordance with DOD 4160.21-M-1, Defense Demilitarization Manual.

PREPARATION FOR STORAGE AND SHIPMENT. Not applicable.

NOMENCLATURE CROSS-REFERENCE LIST

OFFICIAL	COMMON
Magazine, Cartridge	Magazine
Extractor	Extractor/Loaded Chamber Indicator
Slide Assembly	Slide
Magazine Catch Assembly	Magazine Release Button
Cartridge	Round
Safety w/Lever	Decocking/ Safety Lever
Screw, Machine	Grip Screw
Spring, Helical, Torsion, Slide Stop	Slide Stop Spring
Spring, Helical, Torsion, Sear	Sear Spring
Spring, Helical, Compression, Mainspring	Mainspring
Pin, Straight, Headless, Sear	Sear Pin
Spring, Helical, Torsion, Trigger	Trigger Spring
Pin, Straight, Headed, Trigger	Trigger Pin
Pin, Straight, Hammer Release Lever	Headed Straight Pin
Pin, Spring, Lanyard Loop	Spring Pin
Pin, Shoulder, Headless: Lanyard Loop	Shoulder Straight Pin

QUALITY OF MATERIAL. Material used for replacement, repair, or modification must met the requirements of this technical manual. If quality of material requirements are not listed in the technical 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 (AMMUNITION ONLY)

EXPLOSION

WARNING

For further information on safety care, and handling of ammunition, Army users refer to TM 9-1005-317-10; Navy and Coast Guard users refer to OP 4 or OP 5. Air Force users will follow the guidance in AFI 21-201, Management and Maintenance of Non Nuclear Munitions, and AFMAN 91-201, Explosives Safety Standard.

Publications for firing, handling, care and preservation or destruction of ammunition are AR 385-63, TM 43-0001-27, and TM 9-1005-317-10. Navy and Coast Guard users refer to OP 4 and OP 5. Air Force users will refer to AFI 21-201, Management and Maintenance of Non Nuclear Munitions, and AFMAN 91-201, Explosive Safety Standards.

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. Air Force users will refer to AFMAN 91-201, Explosives Safety Standards, and DoD 6055.9 DoD Ammunition and Explosives Safety Standards.

Shipping and Storage Data:

Quantity Distance Class	1
Storage Compatibility Group	B, E, or N
Storage Code	Class V
DOT Shipping Code	C
DOT Designation	Small Arms Ammunition

NUCLEAR, BIOLOGICAL AND CHEMICAL (NBC). General procedures can be found in FM 3-11.3, FM 3-11.4, and FM 3-11.5. Air Force users will follow the guidance in AF Handbook 32-4014 Vol 4.

END OF WORK PACKAGE

EQUIPMENT DESCRIPTION AND DATA

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES

The M9 and M9A1 pistols are semiautomatic, magazine fed, recoil operated, double action pistols, chambered for the 9mm cartridge.

EXPLOSION

WARNING

The M9 and M9A1 Pistols incorporate single and double action modes of fire. Anytime the trigger is pulled with the decocking/safety lever in the fire (up) position and a round in the chamber, the pistol will fire from the hammer down, half cock or full cock positions.

Double/Single Action - For double action, pulling the trigger will cock the hammer and immediately release it, discharging the first chambered round. To fire the first chambered round in single action, the hammer must be manually cocked to the rear before pulling the trigger. All shots after the first one will be fired single action because the slide automatically recocks the hammer after each shot.

Extractor/Loaded Chamber Indicator - When there is a round in the chamber, the upper surface of the extractor protrudes from the right side of the slide. In the dark, the protrusion can be felt by touch.

EXPLOSION

WARNING

A potential safety hazard exists if the firing pin block is missing or does not return flush with the slide after firing.

Firing Pin Block - When the trigger is not pulled, the firing pin block secures the firing pin and prevents it from moving forward, even if the pistol is dropped.

EXPLOSION

WARNING

The decocking/safety lever can be moved to the fire (up) position with a minimum amount of force. This could happen during removal of the pistol from the M12 holster if carried in the safe (down) position and/or during careless handling.

EQUIPMENT DESCRIPTION AND DATA (cont)

EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES (cont)

Decocking/Safety Lever - Allows safe operation of the pistol by both right and left-handed users, and lowers the hammer without causing an accidental discharge. When the decocking/safety lever is in the up position, the pistol is ready to fire. When hammer is cocked, it may be safely lowered by moving the decocking/safety lever to the safe (down) position.

Lanyard Loop - Compatible with standard lanyards.

Receiver - The front and back straps of the grips are vertically grooved to ensure a firm grip even with wet hands, or under conditions of rapid combat fire. The trigger guard is extended, and the concave forward portion is grooved for a firm grip when using two hands or gloves. The M9A1 incorporates and integral rail forward of the trigger housing to accept associated sight assistance hardware.

Disassembly Lever and Disassembly Button - Allows for quick field stripping, and at the same time prevents accidental disassembly.

Slide Stop - Holds the slide to the rear after the last round is fired. It can also be manually operated.

Magazine - Has a 15 round capacity.

LOCATION AND DESCRIPTION OF MAJOR COMPONENTS

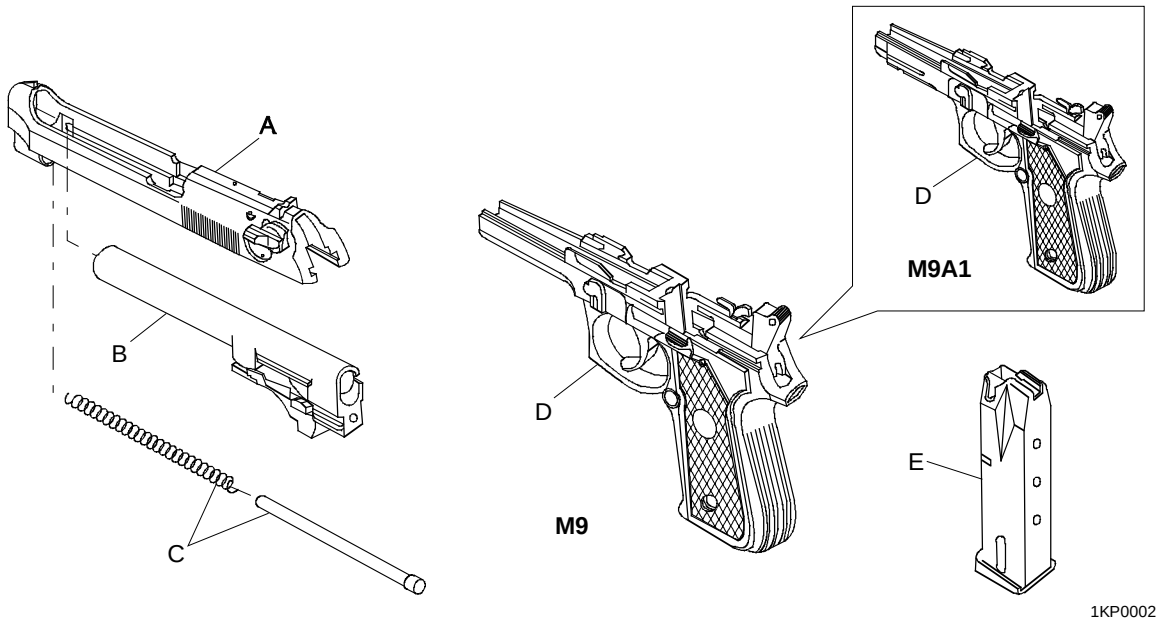
Slide Assembly (A) - Houses the firing pin, striker, and extractor, and cocks hammer during recoil cycle.

Barrel Assembly (B) - Houses cartridge for firing and directs projectile. Locking block locks barrel in position during firing.

Recoil Spring and Recoil Spring Guide (C) - Absorbs recoil and returns the slide assembly to its forward position.

Receiver (D) - Serves as a support for all major components. Controls action of pistol through the four major components. The M9A1 has an integral rail.

Magazine (E) - Holds 15 cartridges in place for feeding and chambering.



EQUIPMENT DATA

Caliber	9 x 19mm (9mm NATO)
System of Operation	Short recoil, semiautomatic
Locking System	Falling locking block
Length	217mm (8.54 in.)
Width	38mm (1.50 in.)
Height	140mm (5.51 in.)
Weight (w/15 round magazine)	1145 gr (40.89 oz)
Weight (w/empty magazine)	960 gr (33.86 oz)
Barrel length	125mm (4.92 in.)
Rifling	RH, 6 groove (pitch 250mm (approx 1 turn in 10 in.))
Muzzle Velocity	375 meters/sec (1230.0 ft/sec)
Muzzle energy	569.5 newton meters (420 ft lbs)
Maximum effective range	50 meters (54.7 yards)
Maximum range	1800 meters (1969.2 yards)
Trigger pull	Single Action 4.1 to 6.5 lbs Double Action 9.6 to 16.5 lbs
Front Sight	Blade, intregal with slide
Rear Sight	Notched bar, dovetailed to slide
Sight radius	158mm (6.22 in.)
Safety features	Decocking/safety Lever - Firing Pin Block
Hammer (half cock)	Helps prevent accidental discharge
Magazine	Staggered, 15 round capacity
Slide	Held open upon firing of last round
Grips	Plastic, checkered

END OF WORK PACKAGE

THEORY OF OPERATION

The M9 and M9A1 pistols have a short recoil system utilizing a falling locking block.

Upon firing, the pressure developed by the combustion gases recoils the slide and barrel assembly. After a short run, the locking block will stop the rearward movement of the barrel and release the slide that will continue its rearward movement. The slide will then extract and eject the fired cartridge case, cock the hammer and compress the recoil spring. The slide moves forward under recoil spring pressure feeding the next round from the magazine into the chamber.

The slide stop holds the slide and barrel assembly open after the last round has been fired and ejected.

END OF WORK PACKAGE

CHAPTER 2

UNIT MAINTENANCE

SERVICE UPON RECEIPT OF MATERIEL

GENERAL

When a pistol is received, it is the responsibility of the user organization to determine whether the pistol has been properly prepared for service by the supplying organization and whether it is in condition to perform its mission.

NOTE

Specific Beretta commercial parts have been certified as alternate design/material. Some of these may be synthetic as opposed to more common metal parts.

SERVICE UPON RECEIPT OF MATERIEL

EXPLOSION

WARNING

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

Unit maintenance personnel may perform limited maintenance. Inspect and test the pistol in accordance with the maintenance allocation chart in WP 0021 00. After the required test/inspections are performed, the maintenance repairs within their capabilities may be completed. Unit maintenance may inspect and service the slide assembly, barrel assembly and receiver assembly. They may reverse the magazine catch assembly and replace pistol grips, grip screws and lock washers. (Coast Guard users are not authorized to reverse the magazine catch assembly.)

NOTE

Reporting of deficiencies shall be as follows:

Army users submit an SF 368 (Quality Deficiency Report) to: Commander, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-QAD, Rock Island, IL 61299-6000.

Navy users submit Quality Deficiency Report to: Commanding Officer, Naval Weapons Support Center, Code 20, Crane, IN 47522-5020.

Air Force users submit Material Deficiency Report (MDR), and Quality Deficiency Reports (QDR), in accordance with the guidance in TO 00-35D-54, USAF Deficiency Reporting and Investigating System.

Marine Corps users submit QDR's (SF 368) in accordance with MCO 4877.10 to: Commanding General, Marine Corps Logistics Base, Code 856, Albany, GA 31704-5000.

Coast Guard users submit QDR's (SF 368) in accordance with COMDTINST M4855.1 to: Commandant, U.S. Coast Guard (G-ODO-2), Washington, DC 20593-0001

SERVICE UPON RECEIPT OF MATERIEL (cont)

Table 1. Service Upon Receipt

LOCATION	ITEM	ACTION	REMARKS
1. Container	Pistol	Check the container for damage prior to unpacking. Check unpacked equipment. Inspect the equipment for damage incurred during shipment. If the equipment has been damaged, report the damage on SF Form 364, Report of Discrepancy (ROD). Check to see whether the equipment has been modified, if applicable. Check the equipment against the packing slip to see if the shipment is complete. Report all discrepancies in accordance with the instructions of DA PAM 750-8. Air Force users will report all discrepencies in accordance with the guidance in TO 00-35D-54.	Refer to Operator's manual TM 9-1005-317-10.
2. Pistol	Barrel Assembly	Remove corrosion inhibitor from barrel.	
	Pistol	Field Strip pistol (TM 9-1005-317-10) and inspect for missing parts. Clean and lubricate. Reassemble.	

EXPLOSION

WARNING

Before performing the following safety/function check, clear the pistol and magazine in accordance with the unloading procedures in the operator's manual.

	Perform safety/function check (WP 0011 00).	

END OF WORK PACKAGE

UNIT MAINTENANCE TROUBLESHOOTING PROCEDURES FOR M9 AND M9A1 PISTOLS

This work package contains troubleshooting information for locating and correcting most of the operating troubles that may develop in the M9/M9A1 pistol. Each malfunction for a part, assembly, or subassembly is followed by a list of tests or inspections that will help you 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 and cause are obvious) or is not corrected by listed corrective actions, notify direct support maintenance.

TROUBLESHOOTING PROCEDURES

Refer to symptom index or troubleshooting Table 1 for malfunctions, and corrective actions.

EXPLOSION

WARNING

Before performing any of the troubleshooting procedures, make sure the pistol is clear/unloaded. Do not keep live ammunition near work/maintenance area.

CAUTION

If slide separation occurs, evacuate pistol to direct support maintenance.

NOTE

In this table, evacuate to direct support also means evacuate to the next level of maintenance.

SYMPTOM INDEX

Table 1. Unit Maintenance Troubleshooting Procedures

SYMPTOM

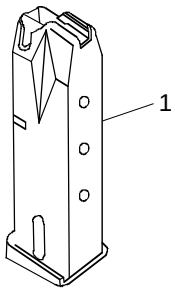
Failure to feed.

MALFUNCTION

Magazine (1) dirty and/or damaged.

CORRECTIVE ACTION

Clean with CLP/RBC (item 4 or 6, WP 0031 00) or replace magazine.



MALFUNCTION

Feed ramp (2) damaged.

CORRECTIVE ACTION

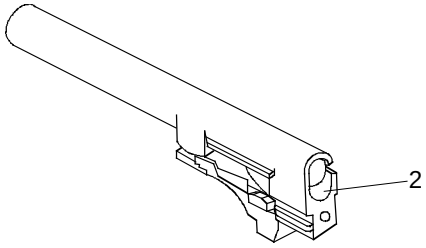
If damaged, replace barrel assembly.

MALFUNCTION

Cartridge nose jamming against feed ramp (2).

CORRECTIVE ACTION

Magazine lips are too tight. Replace magazine.

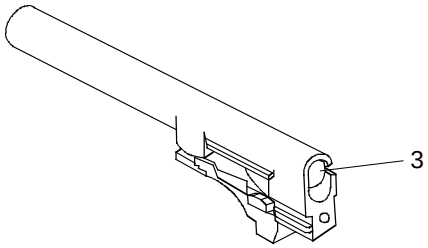


MALFUNCTION

Cartridge nose jamming against upper chamber (3).

CORRECTIVE ACTION

Magazine lips are too open. Replace magazine.



MALFUNCTION

Slide riding over cartridge.

CORRECTIVE ACTION

Magazine not seated properly. Check magazine catch assembly.

SYMPTOM

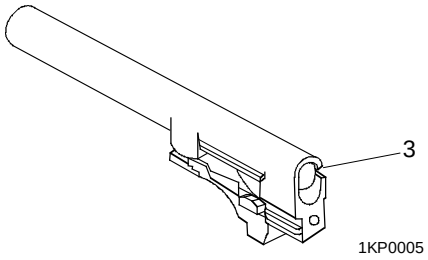
Ammunition does not chamber.

MALFUNCTION

Chamber (3) is dirty or obstructioned.

CORRECTIVE ACTION

Remove obstruction from chamber. Clean with CLP/RBC (items 4 or 6, WP 0031 00).



MALFUNCTION

Dirty or damaged ammunition.

CORRECTIVE ACTION

Clean with a clean, dry cloth, or replace ammunition.

Table 1. Unit Maintenance Troubleshooting Procedures (cont)

SYMPTOM (cont)

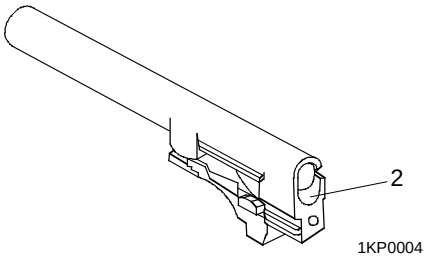
Ammunition does not chamber.

MALFUNCTION

Feed ramp (2) damaged.

CORRECTIVE ACTION

If damaged, evacuate pistol to direct support maintenance.



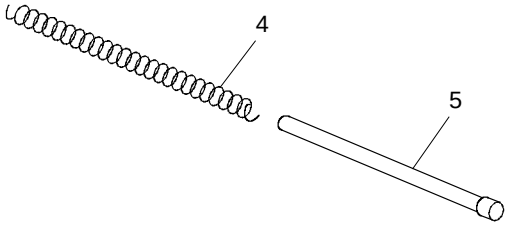
MALFUNCTION

Recoil spring (4) and/or spring guide (5) are damaged or broken.

CORRECTIVE ACTION

Replace if damaged, broken, or less than 5” free length.

If recoil spring (4) or recoil spring guide (5) are burred, attempt to remove burrs with crocus cloth (item 7, WP 0031). If burrs cannot be removed, replace.

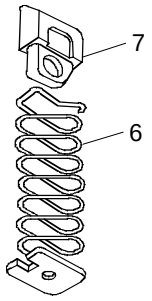


MALFUNCTION

Magazine spring (6) and/or follower (7) is damaged.

CORRECTIVE ACTION

If damaged, replace magazine.



SYMPTOM

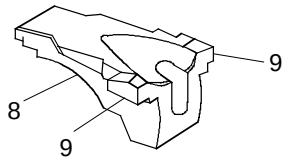
Slide does not lock fully forward.

MALFUNCTION

Broken, cracked or damaged locking block (8) and lugs (9).

CORRECTIVE ACTION

If damaged cracked or broken, replace barrel assembly.



MALFUNCTION

Damaged or broken recoil spring (4), and broken or missing trigger bar spring (10).

CORRECTIVE ACTION

Replace if broken or missing.

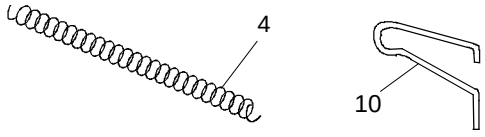


Table 1. Unit Maintenance Troubleshooting Procedures (cont)

SYMPTOM (cont)

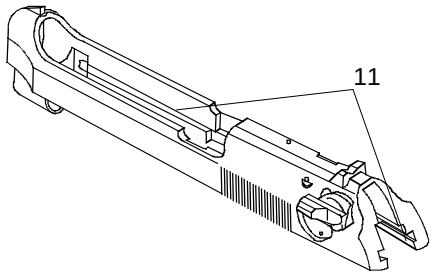
Slide does not lock fully forward.

MALFUNCTION

Damaged or burred slide (11).

CORRECTIVE ACTION

If slide grooves are damaged or burred, evacuate pistol to direct support maintenance.

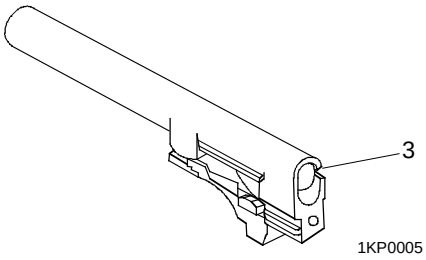


MALFUNCTION

Dirty or damaged chamber (3).

CORRECTIVE ACTION

If the chamber is dirty, clean using CLP/RBC (item 4 or 6, WP 0031 00). If the chamber is damaged, replace barrel assembly.



SYMPTOM

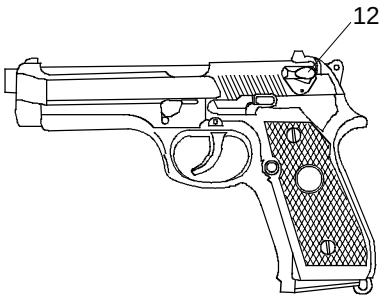
Failure to fire.

MALFUNCTION

Decocking/safety lever (12) is in safe (down) position.

CORRECTIVE ACTION

Place decocking/safety lever in fire (up) position.



MALFUNCTION

Faulty ammunition.

CORRECTIVE ACTION

If heavily corroded or dented, replace ammunition.

MALFUNCTION

Broken firing pin block lever (13).

CORRECTIVE ACTION

If broken, evacuate to direct support maintenance.

MALFUNCTION

Damaged or broken trigger bar (14).

CORRECTIVE ACTION

If damaged or broken, replace.

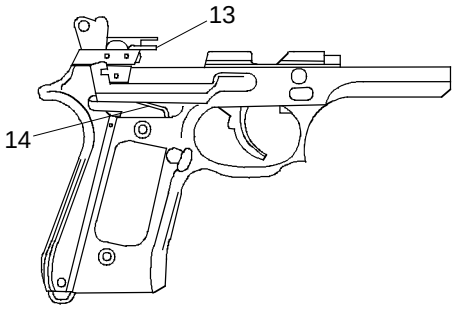


Table 1. Unit Maintenance Troubleshooting Procedures (cont)

SYMPTOM (cont)

Failure to fire.

MALFUNCTION

Firing pin and striker (refer to WP 0011 00, safety/function check) do not move freely..

CORRECTIVE ACTION

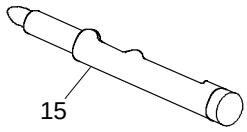
If firing pin does not move back and forth freely under spring tension or does not protrude through the breech face of the slide, evacuate to direct support maintenance.

MALFUNCTION

Tip of firing pin (15) is damaged.

CORRECTIVE ACTION

If damaged evacuate to direct support maintenance.



SYMPTOM

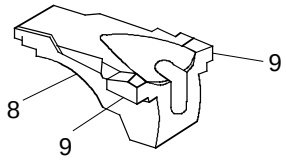
Slide does not unlock.

MALFUNCTION

Broken or damaged locking block (8) and lugs (9).

CORRECTIVE ACTION

If broken or damaged, evacuate to direct support maintenance.

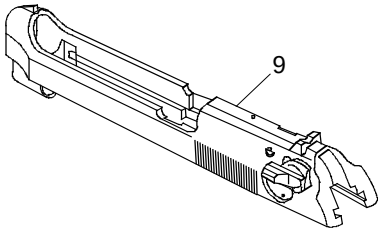


MALFUNCTION

Obstructed, broken or damaged slide (9).

CORRECTIVE ACTION

If obstructed, remove obstruction. If broken or damaged, evacuate to direct support maintenance.



MALFUNCTION

Faulty ammunition; determined by short recoil.

CORRECTIVE ACTION

Inspect bore and remove any obstructions. Replace ammunition.

SYMPTOM

Cartridge does not extract.

MALFUNCTION

Powder residue and/or dirt is jamming extractor (17).

CORRECTIVE ACTION

Clean with CLP or RBC (item 4 or 6, WP 0031 00); lubricate with CLP or LSA (item 4 or 13, WP 0031 00).

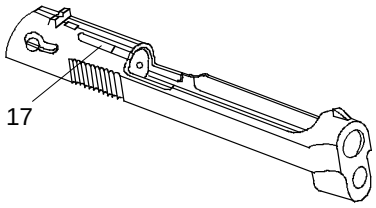


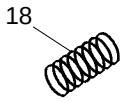
Table 1. Unit Maintenance Troubleshooting Procedures (cont)

MALFUNCTION

Defective extractor spring (18).

CORRECTIVE ACTION

Evacuate to direct support maintenance.

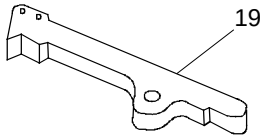


MALFUNCTION

Bbroken or damaged extractor (191).

CORRECTIVE ACTION

Evacuate to direct support maintenance.

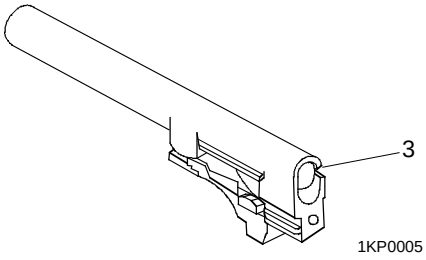


MALFUNCTION

Chamber (3) is dirty or corroded.

CORRECTIVE ACTION

Clean with CLP or RBC (item 4 or 7, WP 0031 00) and lubricate with CLP or LSA (item 4 or 13, WP 0031 00).



MALFUNCTION

Short recoil, defective cartridge.

CORRECTIVE ACTION

Cartridge case or projectile may be lodged in chamber or bore. Inspect bore and remove any obstructions. Replace ammunition.

SYMPTOM

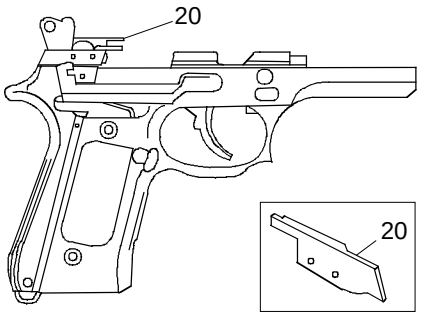
Failure to eject.

MALFUNCTION

Broken or damaged ejector (20).

CORRECTIVE ACTION

If broken or damaged, evacuate pistol to direct support maintenance.



MALFUNCTION

Short recoil, defective cartridge.

CORRECTIVE ACTION

Cartridge case or projectile may be lodged in chamber or bore. Inspect bore and remove any obstructions. Replace ammunition.

Table 1. Unit Maintenance Troubleshooting Procedures (cont)

SYMPTOM

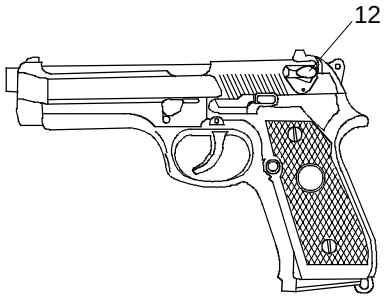
Hammer does not cock with decocking/safety lever in the fire (up) position.

MALFUNCTION

Decocking/safety lever (12) is in safe (down) position. The operator may have inadvertently, while opening the slide, turned the decocking/safety lever to the safe (down) position causing automatic hammer lowering.

CORRECTIVE ACTION

Rotate decocking/safety lever to the fire (up) position.



MALFUNCTION

No further test or inspection.

CORRECTIVE ACTION

Evacuate to direct support maintenance.

SYMPTOM

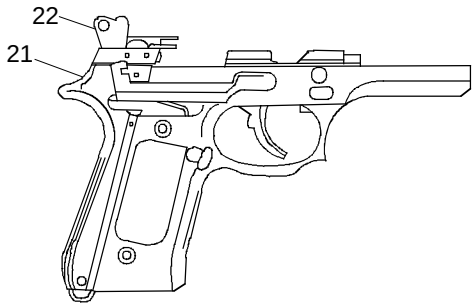
Hammer does not decock with the decocking /safety lever in the safe (down) position.

MALFUNCTION

Dirt or obstructions in receiver (21) jamming hammer (22).

CORRECTIVE ACTION

Remove dirt or obstructions. If the dirt or obstructions cannot be removed, evacuate to direct support maintenance.

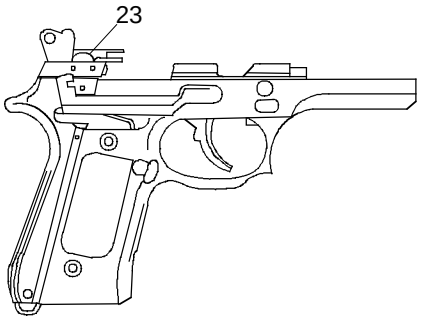


MALFUNCTION

Defective (worn or broken) hammer release lever (23).

CORRECTIVE ACTION

Evacuate to direct support maintenance.



UNIT MAINTENANCE TROUBLESHOOTING PROCEDURES FOR FOR M9 AND M9A1 PISTOLS (cont)

SYMPTOM

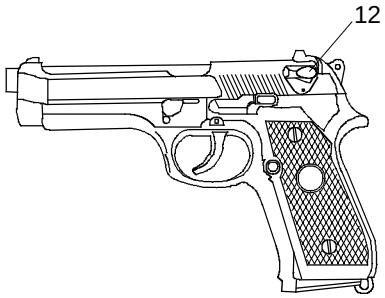
Pistol fails to fire in double action.

MALFUNCTION

Decocking/safety lever (12) is in the safe (down) position. The operator may have inadvertently, while opening the slide, turned the decocking/safety lever to the safe (down) position causing automatic hammer lowering.

CORRECTIVE ACTION

Rotate the decocking/safety lever to the fire (up) position.

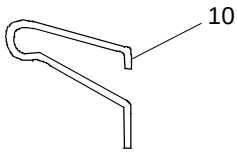


MALFUNCTION

Missing or defective trigger bar spring (10).

CORRECTIVE ACTION

Replace trigger bar spring (10).

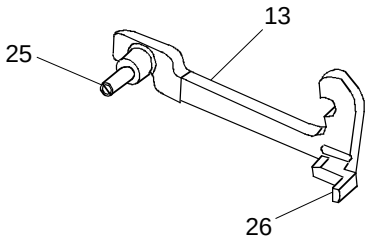


MALFUNCTION

Broken trigger bar (13).

CORRECTIVE ACTION

If a worn or broken trigger bar is suspected, field strip the pistol (TM 9-1005-317-10). Look down into the trigger cavity from the top of the receiver. Pull the trigger to see if trigger bar post (25) is broken. The trigger bar should move forward and return to the rear under spring tension. Remove the right pistol grip. While pulling the trigger, observe the trigger bar lug (26), as it engages the sear, cocks and releases the hammer. If the trigger bar fails to cock and release the hammer, the trigger bar lug (26) is probably worn. Replace trigger bar (13), if broken or worn.



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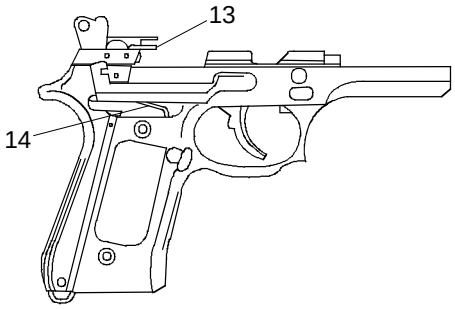


END OF WORK PACKAGE

UNIT MAINTENANCE –
PREVENTIVE MAINTENANCE CHECKS AND SERVICES

GENERAL

- Perform PMCS every 90 days to keep the weapon ready for use. For Air Force users only, perform PMCS every 90 on in-use weapons only.
- If the weapon has not been used for 90 days, PMCS in the operator's manual (TM 9-1005-317-10) should also be performed. For Air Force users only, perform PMCS on weapons removed from long term storage prior to placing weapons in use.
- If you see rust or other signs of wear on a weapon, PMCS must be done immediately.

The PMCS procedures are contained in Table 1. They are arranged in logical sequence requiring a minimum amount of time and effort on the part of the person(s) performing them. They are arranged so there will be minimum interference between person(s) performing checks simultaneously on the same end item.

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

Item	Interval	Man-Hours	Item to be Checked	Procedures	Not Fully Mission Capable if:

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 (TM 9-1005-317-10). 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 9, WP 0031 00). Repair
or replace authorized defective parts or notify direct support maintenance if repair or replacement is not authorized.

Solid Film Lubricant (SFL) is the authorized touchup for M9 and M9A1 Pistols and may be used on up to one third of the exterior finish of the weapon receiver.

FOR CONUS USE ONLY: Solid Film Lubricant (item 9, WP 0031 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 with cleaning solvent (item 15, WP 0031 00), thoroughly dried and inspected for corrosion and/or damage. Application and curing of SFL should be in accordance with manufacturer's instruction. Parts should be lubed prior to reassembly. If corroded or damaged, the part must be repaired or replaced 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 receiver surface covered by SFL.

If the M9 or M9A1 Pistols RECEIVER ASSEMBLY is missing one third or more of its exterior protective finish, resulting in an unprotected/light-reflecting surface, it is a candidate for overhaul. 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.

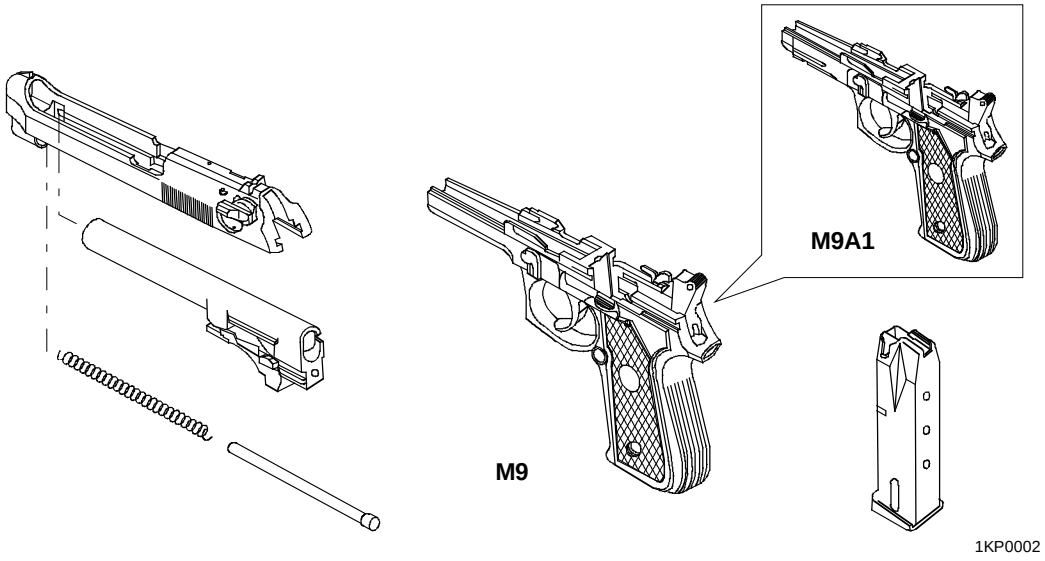
INTERVAL: Designated timeframes listed in the INTERVAL column are:

B-Before
D-During
A-After

UNIT MAINTENANCE –
PREVENTIVE MAINTENANCE CHECKS AND SERVICES (cont)

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

Item	Interval	Man-Hours	Item to be Checked	Procedures	Not Fully Mission Capable if:
				WARNING  **EXPLOSION** 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. Do not keep live ammunition near work/ maintenance area.	
1			Pistol	Field strip pistol in accordance with TM 9-1005-317-10.	

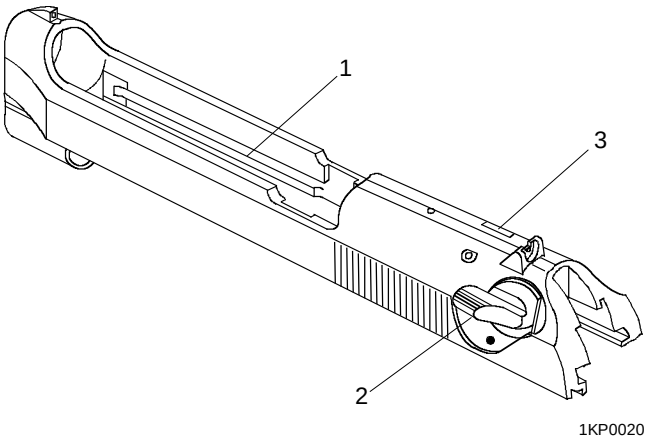


NOTE

Appearance of longitudinal cracks or separation within the hammer pin groove of the slide is not grounds for the replacement of the slide.

Crack at striker porthole is not grounds to deadline the weapon.

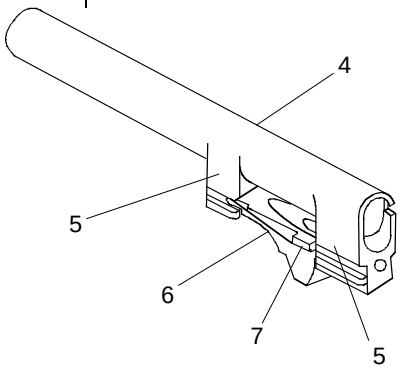
2	B/A		Slide Assembly	Visually inspect slide and slide rails (1) for burrs or cracks.	Slide/slide rails are cracked or burrs cannot be removed by stoning.
				Check rotation of decocking/ safety lever (2) between the safe (down) and fire (up) positions.	Decocking/safety lever does not rotate freely between positions or does not lock in each position.
				Check firing pin block (3) for up and down movement.	Firing pin block does not move freely up and down with spring tension.



UNIT MAINTENANCE –
PREVENTIVE MAINTENANCE CHECKS AND SERVICES (cont)

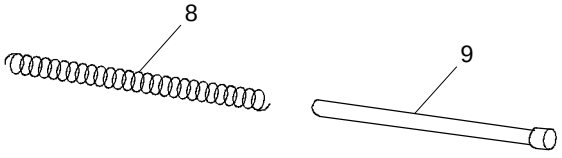
Table 1. Unit Preventive Maintenance Checks and Services (PMCS) (cont)

Item	Interval	Man-Hours	Item to be Checked	Procedures	Not Fully Mission Capable if:
3	B/A		Barrel Assembly	Check barrel (4) and barrel lugs (5) for cracks, obstructions, and pitting.	Barrel or barrel lugs are cracked, or obstruction in barrel. Chamber/ bore is excessively pitted so that it affects extraction or accuracy.
				Check locking block (6) for ease of movement while on barrel. Locking block may fall away from barrel without disassembly. Check locking block lugs (7) for cracks or burrs.	Locking block does not move up and down freely. Locking block lugs are cracked or burred that will prevent proper functioning.



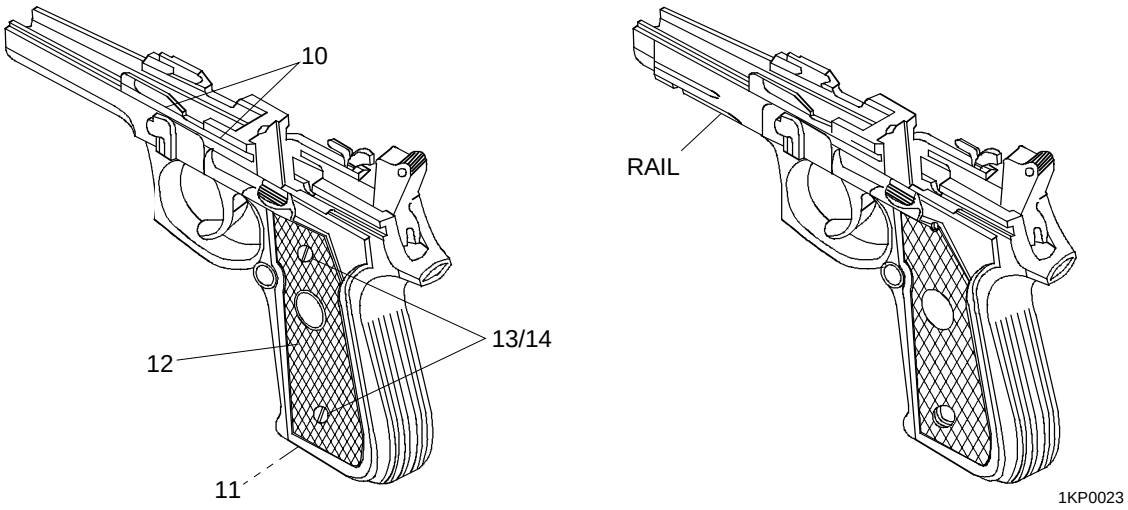
1KP0021

4	B/A		Recoil Spring and Spring Guide	Check recoil spring (8) for bends and flat spots. Check guide (9) for straightness, breaks and burrs. TEST: Drop recoil spring guide (9) through both ends of recoil spring (8). If guide passes freely, by its own weight, into the recoil spring, it is serviceable. Free length of recoil spring (8) should not be less than 5 inches.	Recoil spring (8) has bends or flat spots; or free length is not 5 inches or greater. Recoil spring guide is bent, broken or burred. Recoil spring guide does not pass freely through recoil spring.



1KP0022

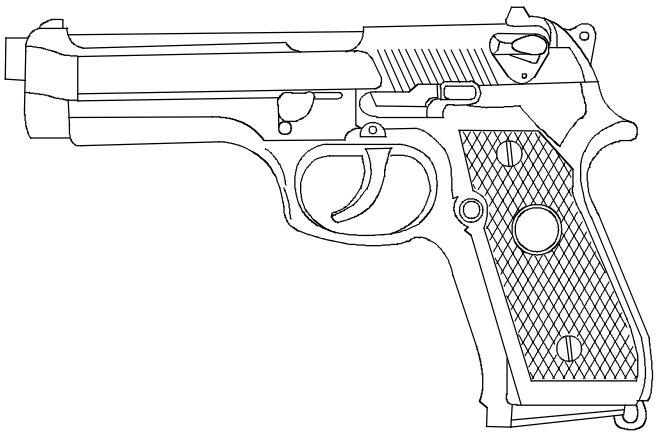
5	B/A		Receiver Assembly	Visually inspect receiver rails (10) to be sure they are not bent, cracked, or burred.	Receiver rails are bent, cracked or have burrs that cannot be removed by stoning.
				Visually inspect magazine well (11) for cleanliness and burrs that will prevent proper operation of magazine.	Magazine well is dirty or has burrs that cannot be removed by stoning.
				Visually inspect grips (12), grip screws (13) and washers (14).	Grips are broken or missing; screws and/or washers are loose or missing.
				Visually inspect magazine release area for cracks.	Magazine release area is cracked.
				Visually inspect rail system for burrs, nicks and cracks (M9A1 only).	Rail system is cracked; chips, nicks or burrs, prevent proper attachment of accessory hardware and cannot be removed by stoning.



UNIT MAINTENANCE –
PREVENTIVE MAINTENANCE CHECKS AND SERVICES (cont)

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

Item	Interval	Man-Hours	Item to be Checked	Procedures	Not Fully Mission Capable if:
6	B/A		Pistol	Reassemble pistol per operator's manual (TM 9-1005-317-10).	
				Ensure parts are cleaned, lubricated and installed correctly.	Parts are not clean, lubricated or assembled correctly.
				Check all moving parts for binding or hesitation.	Any moving part binds or hesitates.
				Perform safety/function check (WP 0011 00).	Pistol fails safety/ function check.
				Report all damaged or missing parts to direct support/next authorized repair level.	



1KP0001

END OF WORK PACKAGE

**UNIT MAINTENANCE PROCEDURES -
GENERAL INFORMATION**

NOTE

When a pistol is received by armorer for unit maintenance, it must be completely inspected per the TM and any deficiencies found, should be repaired or noted/ tagged and job ordered for repair at direct support maintenance/next level of repair.

GENERAL

Army unit maintenance is limited to replacement of the pistol grips, grip screws, grip screw washers, some pins and springs and reversing the magazine catch assembly. (Coast Guard users are not authorized to reverse the magazine catch assembly. Air Force personnel other than personnel assigned to a Combat Arms section with AFSC 3P0XXB, Special Experience Identifier (SEI) 312 or qualified civilian equivalent employees are not authorized to perform any maintenance procedures other than field stripping and cleaning the pistol.

Initial Setup. In order to reduce the space required for the initial setup portion of the maintenance procedures, the following data is standard for all initial setups:

(1) Materials/parts - includes only items applicable to the procedure.

(2) Tools and Special Tools - includes only the standard tool set applicable to the procedure.

(3) Personnel required - includes the following designated joint service descriptions that are applicable to all unit maintenance procedures:

(a) Army: Military Occupational Specialty (MOS) 92Y Supply Clerk/Unit Armorer.

(b) Air Force: AFSC 3P0XXB/SEI 312 Combat Arms Specialists, Gunsmiths, and civilian equivalents.

(c) Navy: Gunner’s Mate Guns (GMG).

(d) Marine Corps: Military Occupational Specialty (MOS) 2111 Unit Armorer (Infantry Weapon Repairer).

(e) Coast Guard: Refer to COMDTINST M8370.11.

(4) References - includes the operator’s manual for joint service use:

(a) ARMY TM 9-1005-317-10.

(b) AIR FORCE TO 11W3-3-5-1.

(c) COAST GUARD COMDTINST M8370.11.

(d) MARINE CORPS TM 1005A-10/1.

(e) NAVY SW 370-AA-OPI-010 9mm.

(5) Equipment Condition - is listed as applicable to the procedure.

(6) As general Safety Instructions, make sure the magazine is removed, the pistol is clear of ammunition, and the barrel has no obstructions.

END OF WORK PACKAGE

UNIT MAINTENANCE FOR
M9 PISTOL, NSN 1005-01-118-2640, P/N 9346421; AND
M9A1 PISTOL, NSN 1005-01-525-7966, P/N 13010650

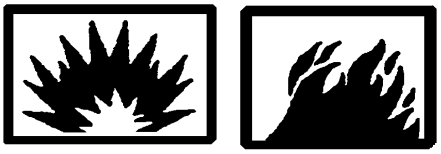
This task covers: a. Disassembly b. Cleaning c. Inspection/Repair d. Reassembly

INITIAL SETUP

Materials/Parts:
- Cleaner, Lubricant and Preservative (CLP) (item 4, WP 0031 00)
- Gloves, Rubber (item 8, WP 0031 00)
- Solid Film Lubricant, (item 9, WP 0031 00)

Materials/Parts (cont):
- Solvent, Cleaning (item 15, WP 0031 00)
- Rag, Wiping (item 13, WP 0031 00)
- Rifle Bore Cleaner (RBC) (item 6, WP 0031 00)

WARNING



EXPLOSION **FIRE**

Make certain weapon is clear and there are no obstructions in the barrel or chamber. Do not keep live ammunition near work/maintenance area.

Cleaning solvent is FLAMMABLE and TOXIC and should be used in a well-ventilated area away from an open flame. The use of rubber gloves is necessary to protect the skin when cleaning pistol parts.

CAUTION

Dry fire the pistol only in conjunction with the function checks in PMCS and/or during marksmanship training. The use of M917 dummy round is required for all dry fire applications.

Do not allow the hammer to fall with full force by pulling the trigger when the slide is removed. Damage to the receiver can occur. If necessary, the hammer should be manually lowered.

NOTE

Commercial parts original equipment manufacturer (OEM) is authorized as alternative designs. As a result, some parts may be made of synthetic material instead of metal.

DISASSEMBLY

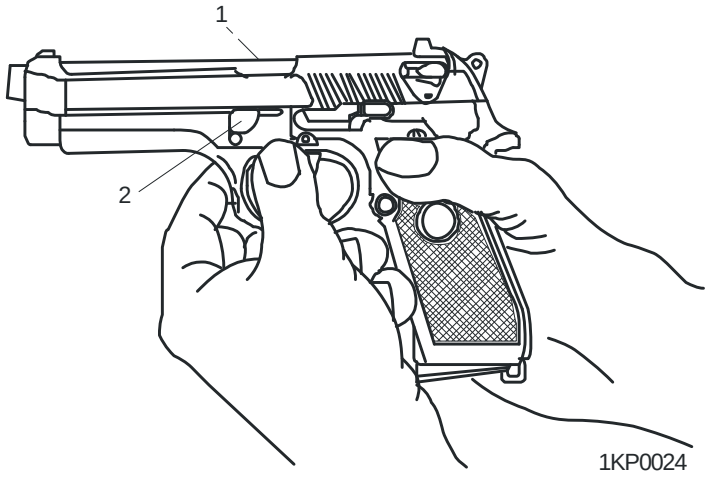
Clear/unload the pistol (TM 9-1005-317-10).

Allow slide to return fully forward.

UNIT MAINTENANCE FOR
M9 PISTOL, NSN 1005-01-118-2640, P/N 9346421; AND
M9A1 PISTOL, NSN 1005-01-525-7966, P/N 13010650 (cont)

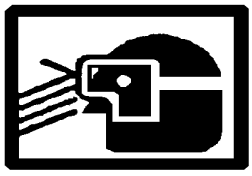
DISASSEMBLY (cont)

Hold pistol in the right hand with muzzle slightly elevated. With forefinger, press disassembly lever release button (1), and with thumb, rotate disassembly lever (2) downward until it stops.



Pull the slide and barrel assembly forward and remove.

WARNING



EYE PROTECTION

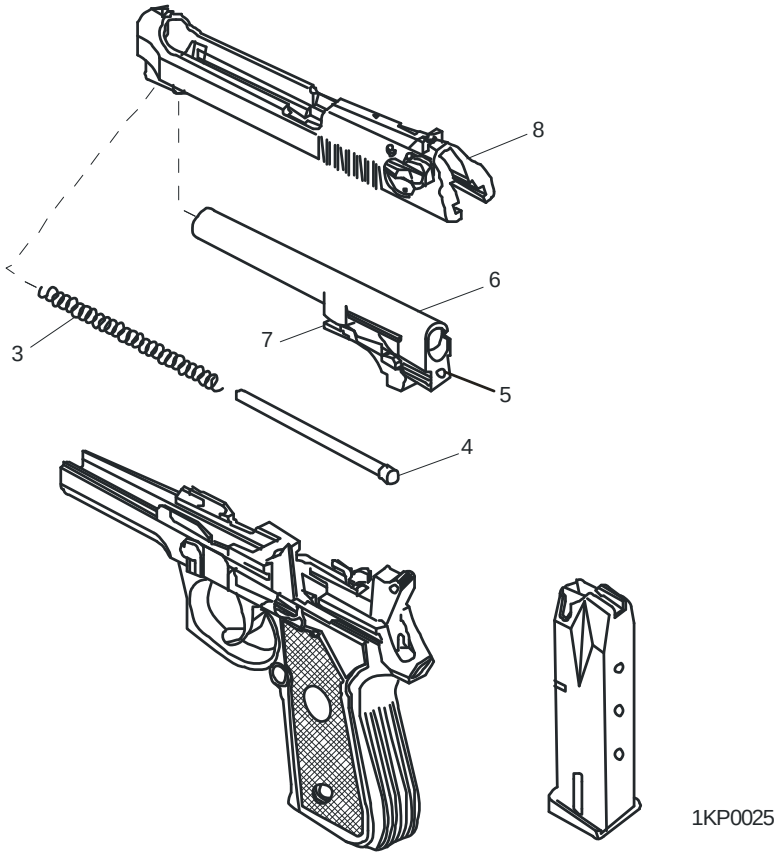
Use care when removing/installing recoil spring and spring guide. Because of the amount of compression, assembly will be released under spring tension and could cause possible injury to personnel, or become damaged or lost. To avoid injury to eyes, wear eye protection when removing or installing spring-loaded parts.

Slightly compress recoil spring (3) and recoil spring guide (4), while at the same time lifting and removing recoil spring (3) and recoil spring guide (4). Allow the recoil spring (3) to expand slowly.

Separate recoil spring (3) from recoil spring guide (4).

Push in on locking block plunger (5) while pushing barrel (6) forward slightly. Lift and remove locking block (7) and barrel assembly from slide (8).

Refer to operator's manual (TM 9-1005-317-10) for magazine disassembly instructions.



CLEANING

Remove dirt and corrosion or powder residue from parts with wiping rag or brush dampened with CLP/RBC.

INSPECTION AND REPAIR

Visually inspect all parts for damage.

Replace recoil spring if there are flat spots, breaks, or if free length is less than 5 inches.

Replace recoil spring guide if bent, broken or damaged so as to hinder operation on the recoil spring.

Replace barrel assembly if barrel is bent, broken, damaged or shot out.

UNIT MAINTENANCE FOR
M9 PISTOL, NSN 1005-01-118-2640, P/N 9346421; AND
M9A1 PISTOL, NSN 1005-01-525-7966, P/N 13010650 (cont)

WARNING

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

CAUTION

If solid film lubricant comes in contact with any moving or internal part, clean part with cleaning solvent.

Inspect external surfaces for proper finish (black surfaces should not reflect light). Touch up as required with solid film lubricant.

Apply solid film lubricant to all external surfaces showing wear. Allow to air dry a minimum of 12 hours before using weapon.

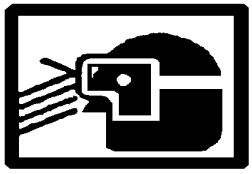
Properly lube moving components.

REASSEMBLY

Grasp the slide (8) with the bottom facing up. With the other hand, grasp the barrel assembly (6) with the locking block (7) face up.

Insert muzzle of the barrel assembly (6) into the forward open end of the slide (8). At the same time, lower the rear of the barrel assembly by aligning the extractor cutout with the extractor. The locking block (7) will fall into the locked position on the slide.

WARNING



EYE PROTECTION

Use care when removing/installing recoil spring and spring guide. Because of the amount of compression, assembly will be released under spring tension and could cause possible injury to personnel, or become damaged or lost. To avoid injury to eyes, wear eye protection when removing or installing spring-loaded parts.

CAUTION

During spring insertion, spring tension must be maintained until spring guide is fully seated onto the cutaway on the locking block.

Insert recoil spring (3) on to recoil spring guide (4).

Insert end of recoil spring (3) and recoil spring guide (4) into slide recoil housing. At the same time, compress the recoil spring (3) and lower the recoil spring guide (4) until fully seated onto the locking block cutaway (7).

CAUTION

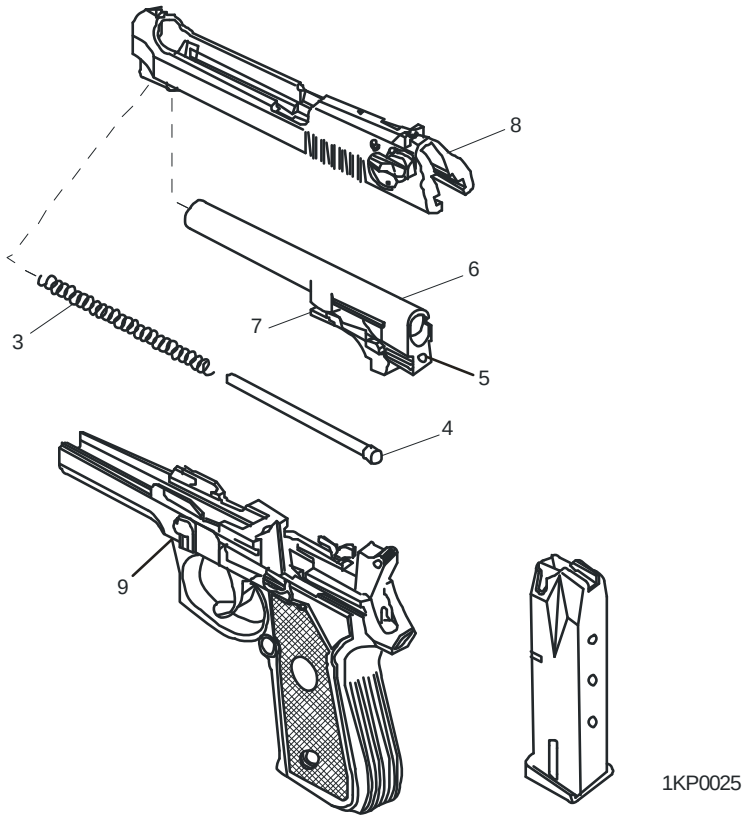
If the hammer is cocked, carefully lower the hammer manually.

Do not pull trigger while placing the slide onto the receiver.

Grasp the slide (8) and barrel assembly (6), sights up, and align the slide onto the receiver assembly guide rails.

Push until the rear of the slide (8) is a short distance beyond the rear of the receiver assembly and hold. At the same time, rotate the disassembly latch lever (9) upward. A click indicates positive lock.

Refer to the operator's manual (TM 9-1005-317-10) for magazine reassembly.



END OF WORK PACKAGE

UNIT MAINTENANCE FOR
RECEIVER ASSEMBLY, NSNA, P/N 9346480; AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649

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

INITIAL SETUP

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

Materials/Parts:
Brush, Cleaning, Small Arms,
(item 2, WP 0031 00)
Cleaner, lubricant and preservative (CLP),
(item 4, WP 0031 00)

Materials/Parts (cont):
Lubricating Oil, Weapons Semi-fluid (LSA),
(item 12, WP 0031 00)
Rag, wiping (item 13, WP 0031 00)

Equipment Condition:
Magazine and Slide and Barrel Assembly
removed from receiver.

DISASSEMBLY

EXPLOSION

WARNING

Be sure weapon is clear and there are no obstructions in the barrel or chamber.

NOTE

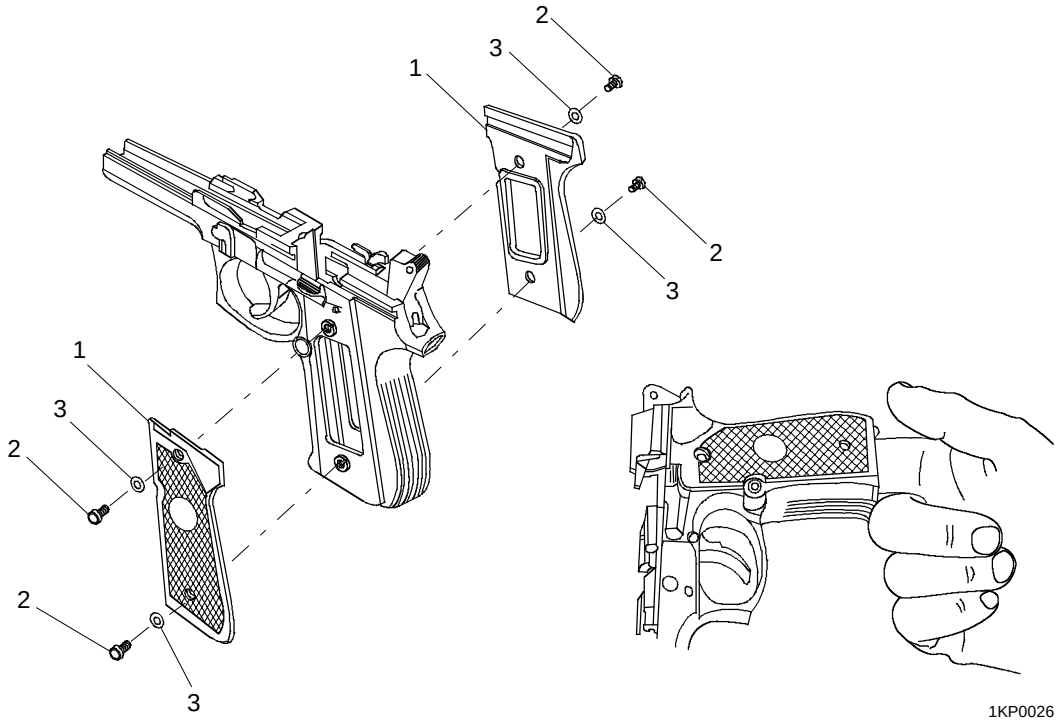
Unit maintenance is limited to functions in the Maintenance Allocation Chart (MAC) (WP 0021 00).

When removing each pistol grip, the lock-washers may remain seated or come loose. Be careful not to loose them.

UNIT MAINTENANCE FOR
RECEIVER ASSEMBLY, NSNA, P/N 9346480; AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)

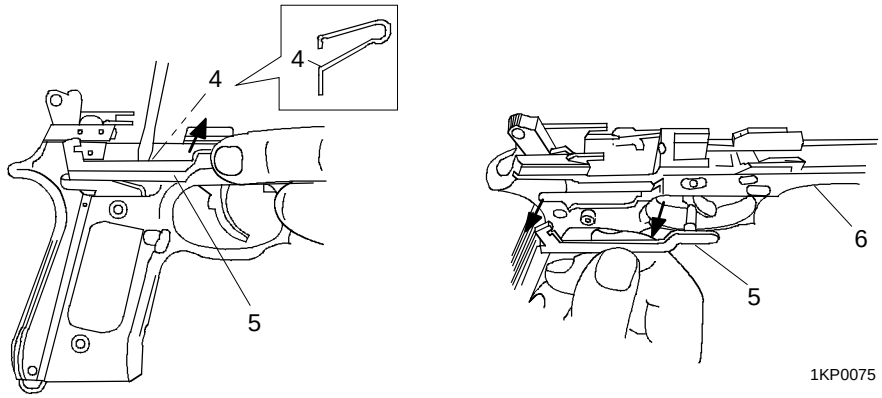
DISASSEMBLY (cont)

To remove the pistol grips, remove grip screws (1) and lock-washers (2). Insert the forefinger into the magazine well and gently lift up on the pistol grip (3). Repeat the procedure to remove the other pistol grip.



Place the receiver on the left side. Locate the trigger bar spring (4) just below the trigger bar (5). With the tip of fingernail or screwdriver, or the use of needle-nosed pliers, carefully unseat the upper portion of the trigger bar spring (4) from the trigger bar (5). Gently lift up and remove the trigger bar spring (4) from the hole in the receiver (6).

To remove the trigger bar (7), unseat the trigger bar by inserting the forefinger into the receiver and pushing outward on the trigger bar (7). Pull the trigger bar (7) out from the right side of the receiver (6).



CLEANING

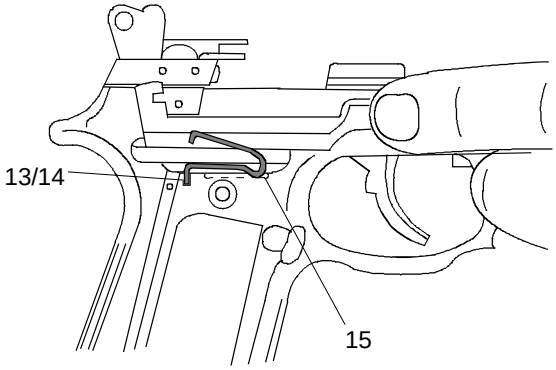
Wipe receiver assembly clean with clean wiping rag. Use a soft brush for hard to clean areas. Apply a light coat of CLP/LSA to all surfaces.

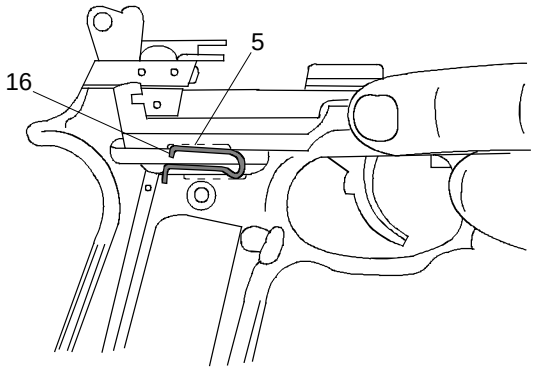
INSPECTION/REPAIR

Grips that have cracks, deep gouges, or any defects that will affect serviceability will be replaced. Replace grips if the checkering is worn smooth. Small cracks or chips not affecting strength or retention of grip are acceptable. Replace screws that are stripped or damaged.

REASSEMBLY

With needle nose pliers, install the 90^{O} angle end of the trigger bar spring (13) into the trigger bar spring retaining hole (14) in the receiver; insert the rounded loop end of the trigger bar spring into the trigger bar spring groove (15) of the receiver. With a screwdriver, fingernail or needle nose pliers pull down and insert the slightly curved end (16) of the trigger bar spring into the bottom groove of the trigger bar (5).





UNIT MAINTENANCE FOR
RECEIVER ASSEMBLY, NSNA, P/N 9346480; AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)

REASSEMBLY (cont)

CAUTION

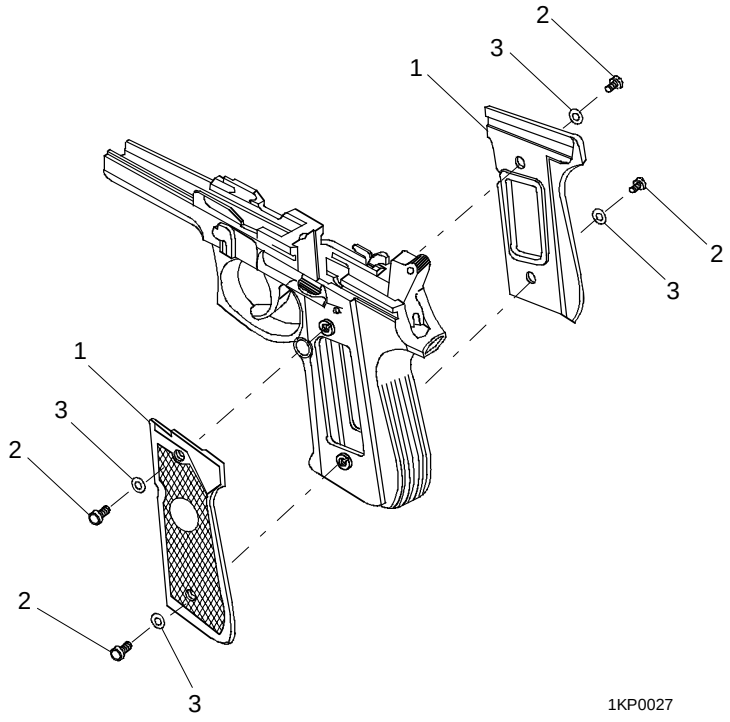
Damage will occur from over-tightening the grip screws. Tighten grip screws only until snug.

NOTE

Be sure to install lock-washers (2) on each grip screw (3); failure to do so will prevent insertion/ removal of magazine.

When the necessary maintenance task has been completed, reassemble the pistol in accordance with WP 0008 00.

Install the left and right pistol grips (1), lock-washers (2), and screws (3). Tighten only until snug.



END OF WORK PACKAGE

UNIT MAINTENANCE OF
MAGAZINE CATCH ASSEMBLY, NSN 1005-01-204-4364, P/N 9346474

This task covers: a. Removal b. Reversing and Installation

INITIAL SETUP

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

Equipment Condition:
Pistol grips removed.

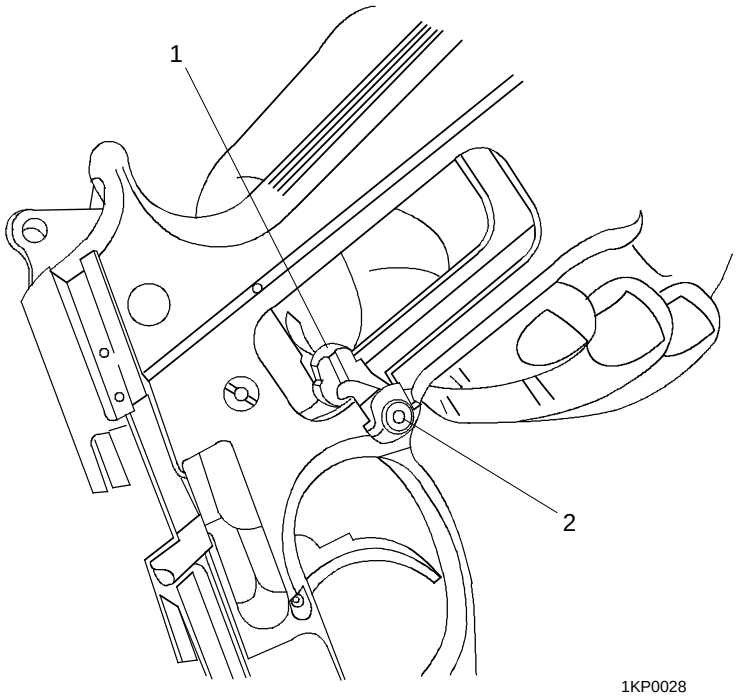
EXPLOSION

WARNING

Make sure weapon is clear and there are no obstructions in the barrel or chamber.

REMOVAL

Remove the magazine catch assembly (1) by pushing in and to the rear with the fingertip, on the side opposite the magazine catch assembly button (2). The magazine catch assembly will then drop out.



UNIT MAINTENANCE OF
MAGAZINE CATCH ASSEMBLY, NSN 1005-01-204-4364, P/N 9346474 (cont)

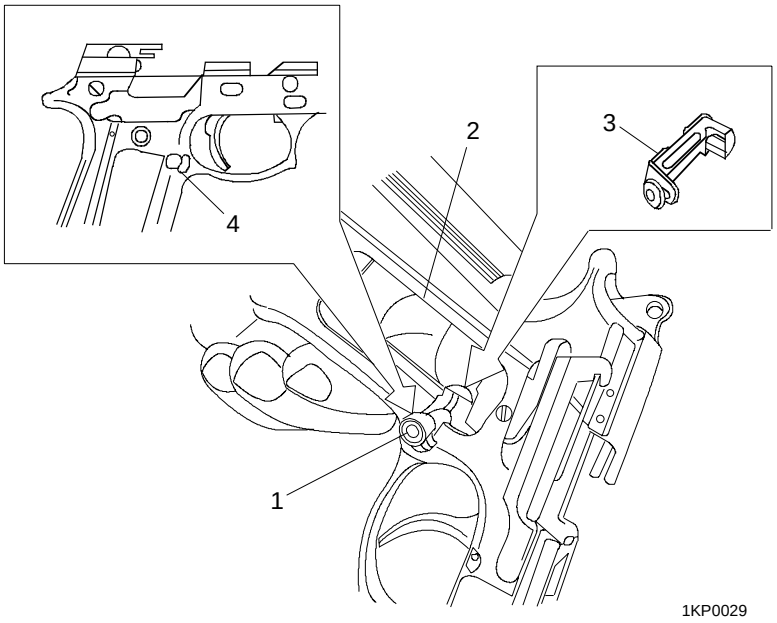
REVERSING AND INSTALLATION

NOTE

To reverse the magazine catch assembly, install the button on the opposite side.

When the necessary maintenance task has been performed, reassemble the pistol in accordance with WP 0008 00.

To install the magazine catch assembly (1), insert the magazine catch assembly through the magazine well window (2) at an angle. The long bushing (3) of the magazine catch assembly (1) must catch on the magazine catch assembly cutout (4). At the same time, push in on the flat side of the magazine catch assembly (1) and push down to seat. This will be indicated by a click.



END OF WORK PACKAGE

SAFETY/FUNCTION CHECK

EXPLOSION

WARNING

Before performing the following safety/function check, clear the pistol and magazine in accordance with the unloading procedures in the operator's manual.

Depress the slide stop. Insert the empty magazine into the pistol, and ensure that the magazine catch assembly locks the magazine in place.

Retract the slide and release it. The magazine follower should push up on the slide stop, locking the slide to the rear.

Rotate the decocking/safety lever to the fire (up) position. With a 1/16 inch punch, push up on the bottom side of the firing pin block. At the same time, push in on the firing pin striker with a 1/8 inch punch. Ensure the firing pin protrudes through the breech face of the slide and returns to the full rearward position when the punch is removed.

Depress the magazine release button allowing the magazine to fall free.

Verify that the decocking/safety lever is in the fire (up) position. Depress the slide stop allowing the slide to return forward under spring force. The hammer must not fall. Rotate decocking/safety lever to the safe (down) position ensuring the lever is snapped completely into the safe (down) position. The hammer should fall to the full forward position.

Retract slide and apply the slide stop. Verify that the decocking/safety lever is snapped completely into the safe (down) position. Press the slide stop allowing the slide to return forward under spring force. The hammer will fall to the full forward position and the decocking/safety lever must remain in the safe (down) position.

Squeeze and release trigger. Firing pin block should move up and down. Hammer should not move. The trigger should return to the full forward position under spring tension.

Place decocking/safety lever in the fire (up) position.

Squeeze trigger to check double action. Hammer should cock and fall.

Squeeze trigger again and hold to rear. Manually retract and release slide while holding trigger to rear. Release trigger, click should be heard, hammer should not fall.

Squeeze trigger to check single action. Hammer should fall.

Rotate the decocking/safety lever to the safe (down) position. Manually cock hammer and release. Hammer should fall to full forward position.

If the above safety/function check performs as indicated, pistol is mission ready. If checks do not perform as indicated, evacuate the pistol to direct support maintenance/next authorized repair level.

END OF WORK PACKAGE

CHAPTER 3

DIRECT SUPPORT MAINTENANCE

DIRECT SUPPORT MAINTENANCE
TROUBLESHOOTING PROCEDURES FOR M9 AND M9A1 PISTOLS

NOTE

Specific Beretta commercial parts have been certified as alternate design/material. Some of these may be synthetic as opposed to more common metal parts.

This work package contains troubleshooting information for locating and correcting most of the operating troubles that may develop in the M9 pistol. Each malfunction for a part, assembly, or subassembly is followed by a list of tests or inspections that will help you 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 and cause are obvious) or is not corrected by listed corrective actions, notify direct support maintenance.

TROUBLESHOOTING PROCEDURES

Refer to symptom index or troubleshooting Table 1 for malfunctions, and corrective actions.

EXPLOSION

WARNING

Before performing any of the troubleshooting procedures, make sure the pistol is clear/unloaded. Do not keep live ammunition near work/maintenance area.

SYMPTOM INDEX

DIRECT SUPPORT MAINTENANCE
TROUBLESHOOTING PROCEDURES FOR M9 AND M9A1 PISTOLS (cont)

Table 1. Direct Support Maintenance Troubleshooting Procedures

SYMPTOM

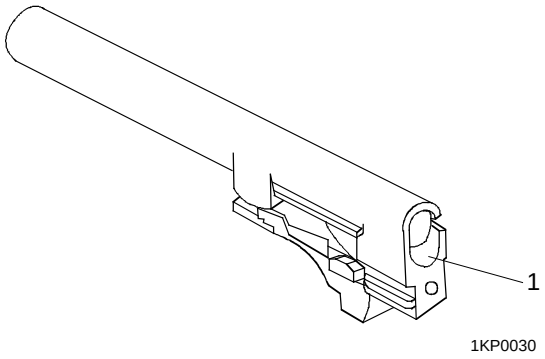
Failure to feed.

MALFUNCTION

Feed ramp (1) is damaged.

CORRECTIVE ACTION

If sharp or burred edges are detected on feed ramp (1), polish with crocus cloth (item 7, WP 0031)/honing stone without deforming feed ramp. If pistol fails to feed after removing sharp or burred edges from feed ramp, replace barrel.



SYMPTOM

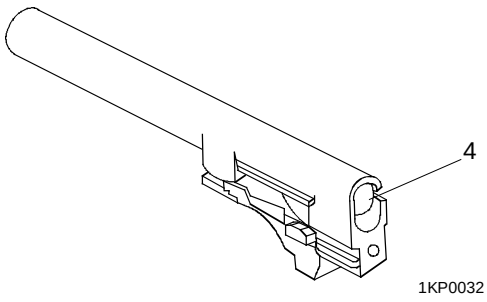
Ammunition does not chamber.

MALFUNCTION

Chamber entrance (4) is sharp or burred.

CORRECTIVE ACTION

If sharp or burred edges are detected replace barrel.

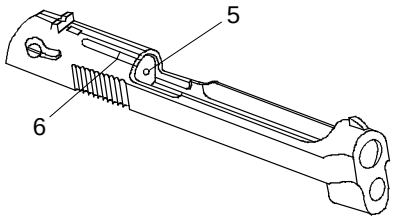


MALFUNCTION

Breech face (5) is dirty or burred. Dirt or burrs can prevent cartridge base head/rim from sliding upward for extractor hook (6) engagement.

CORRECTIVE ACTION

Carefully remove burrs from breech face and polish using crocus cloth (item 7, WP 0031 00). Clean with CLP or RBC (item 4 or 6, WP 0031 00) and lubricate with CLP or LSA (item 4 or 12, WP 0031 00). If burrs cannot be removed, replace the slide.



SYMPTOM

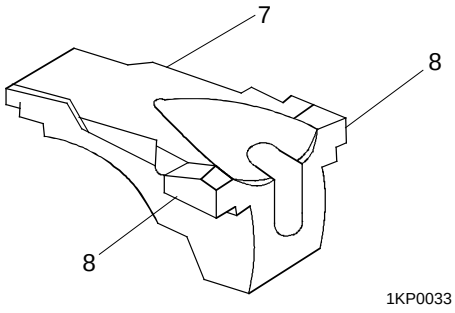
Slide does not lock fully forward.

MALFUNCTION

Locking block (7) and lugs (8) are cracks/burred and/or broken.

CORRECTIVE ACTION

If cracks or burrs are detected, replace the locking block.



DIRECT SUPPORT MAINTENANCE
TROUBLESHOOTING PROCEDURES FOR M9 AND M9A1 PISTOLS (cont)

Table 1. Direct Support Maintenance Troubleshooting Procedures (cont)

SYMPTOM (cont)

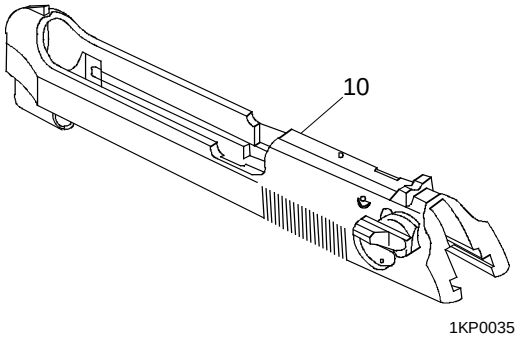
Slide does not lock fully forward.

MALFUNCTION

Slide (10) is damaged or burred.

CORRECTIVE ACTION

Inspect slide (10) for burrs. If burrs are detected, carefully remove with a honing stone or polish with a crocus cloth (item 7, WP 0031 00). If burrs cannot be removed, replace slide (10).

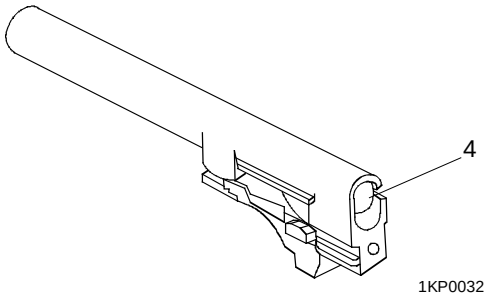


MALFUNCTION

Chamber (4) is dirty or damaged.

CORRECTIVE ACTION

If the chamber is dirty, clean using CLP/RBC (item 4 or 6, WP 0031 00). If the chamber is damaged, replace barrel.



SYMPTOM

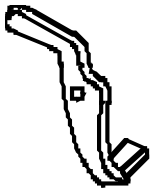
Failure to fire.

MALFUNCTION

Firing pin block lever (11) is broken.

CORRECTIVE ACTION

If broken, replace firing pin block lever (11).

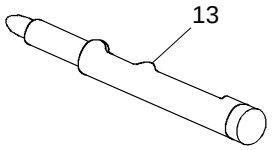


MALFUNCTION

Firing pin (13) is broken or damaged.

CORRECTIVE ACTION

If broken or damaged, replaced firing pin (13).



1KP0037

DIRECT SUPPORT MAINTENANCE
TROUBLESHOOTING PROCEDURES FOR M9 AND M9A1 PISTOLS (cont)

Table 1. Direct Support Maintenance Troubleshooting Procedures (cont)

SYMPTOM

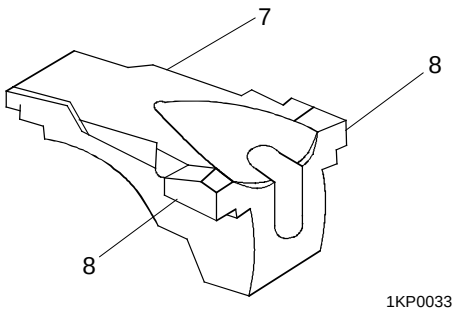
Slide does not unlock.

MALFUNCTION

Locking block (7) and/or lugs (8) are broken or damaged.

CORRECTIVE ACTION

If cracks or burrs are detected, replace locking block (7).



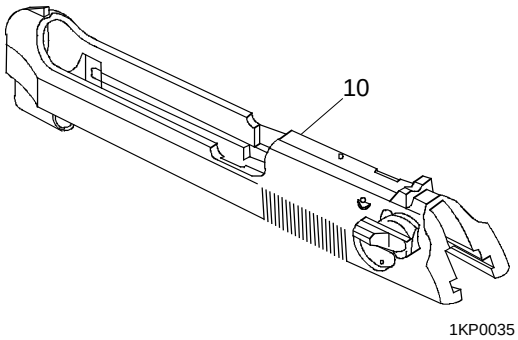
Slide does not unlock.

MALFUNCTION

Slide (10) is broken, cracked or damaged.

CORRECTIVE ACTION

If damaged (burrs), carefully remove with a honing stone or polish with a crocus cloth (item 7, WP 0031 00). If broken, cracked or damaged beyond repair, replace slide (10).



SYMPTOM

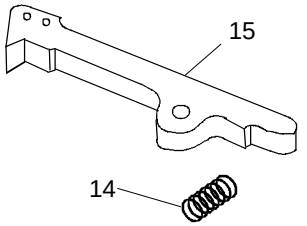
Cartridge does not extract.

MALFUNCTION

Extractor spring (14) is defective.

CORRECTIVE ACTION

Remove extractor (15) and inspect extractor spring (14). If bent or broken, replace extractor spring (14).



MALFUNCTION

Extractor (15) is broken, damaged or worn.

CORRECTIVE ACTION

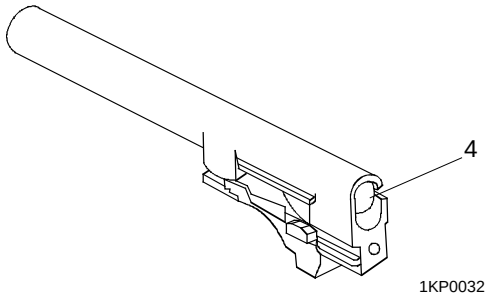
If for broken, damaged or worn, replace extractor (15).

MALFUNCTION

Chamber (4) dirty or damaged.

CORRECTIVE ACTION

If the chamber is dirty, clean using CLP/RBC (item 4 or 6, WP 0031 00). If the chamber is damaged, replace barrel.



DIRECT SUPPORT MAINTENANCE
TROUBLESHOOTING PROCEDURES FOR M9 AND M9A1 PISTOLS (cont)

Table 1. Direct Support Maintenance Troubleshooting Procedures (cont)

SYMPTOM

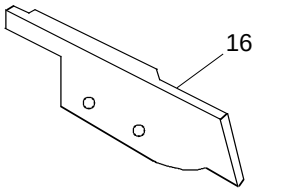
Failure to eject.

MALFUNCTION

Ejector (16) is broken or damaged.

CORRECTIVE ACTION

If broken or damaged, replace ejector (16).



1KP0039

SYMPTOM

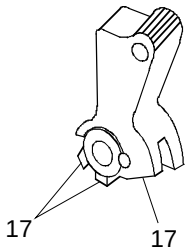
Hammer does not cock with decocking/safety lever in the fire (up) position.

MALFUNCTION

Hammer notch (17) is dirty preventing sear from engaging.

CORRECTIVE ACTION

Disassemble receiver. Clean using CLP/RBC (item 4 or 6, WP 0031 00) and lubricate with CLP or LSA (item 4 or 12, WP 0031 00).



1KP0040

MALFUNCTION

Sear spring (18) is defective.

CORRECTIVE ACTION

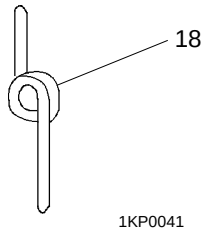
A defective sear spring can be inspected visually by removing the left pistol grip. If sear spring is broken, replace sear spring (18).

MALFUNCTION

Sear spring (18) is improperly installed.

CORRECTIVE ACTION

If incorrectly installed, reinstall in accordance with WP 0031 00.



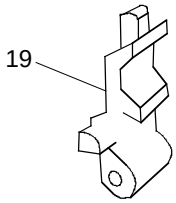
1KP0041

MALFUNCTION

Sear (19) is broken or worn.

CORRECTIVE ACTION

If broken or worn, replace sear (19).



1KP0042

DIRECT SUPPORT MAINTENANCE
TROUBLESHOOTING PROCEDURES FOR M9 AND M9A1 PISTOLS (cont)

Table 1. Direct Support Maintenance Troubleshooting Procedures (cont)

SYMPTOM (cont)

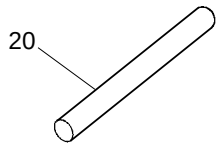
Hammer does not cock with decocking/safety lever in the fire (up) position.

MALFUNCTION

Sear pin (20) is broken.

CORRECTIVE ACTION

Removing the sear is the only way to inspect the sear pin. If broken, replace sear pin (20).



1KP0043

SYMPTOM

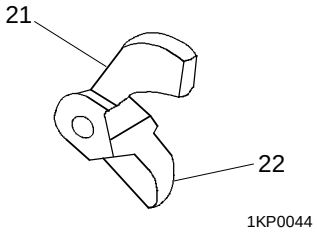
Hammer does not decock with the decocking /safety lever in the safe (down) position.

MALFUNCTION

Hammer release lever (21) is defective (worn or broken).

CORRECTIVE ACTION

Inspect lower hammer release lever finger (22). Ensure that the hammer release lever engages the backside of the sear; this can be done by looking into the magazine well from the top. If the hammer release lever fails to engage the sear, replace the hammer release lever (21).



1KP0044

SYMPTOM

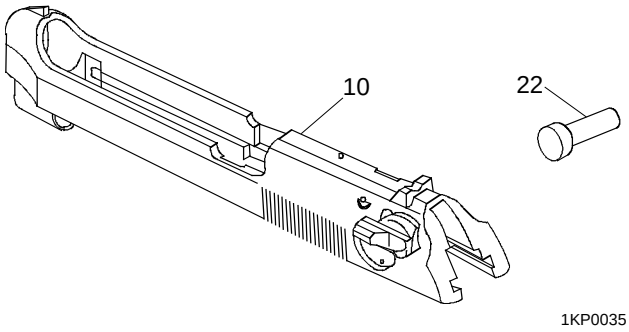
Slide separation during firing of pistol.

MALFUNCTION

Hammer pin (22) prevents rear of slide (10) from coming rear of receiver.

CORRECTIVE ACTION

Replace hammer pin and/or slide.



END OF WORK PACKAGE

DIRECT SUPPORT MAINTENANCE
GENERAL INFORMATION

GENERAL

Initial Setup. In order to reduce the space required for the initial setup portion of the maintenance work packages, the following data is standard for all setups:

(1) Materials/parts - includes only items applicable to the procedure.

(2) Tools and special tools - includes only the standard tool set applicable to the procedure.

(3) Personnel required - includes the following designated joint service descriptions that are applicable to all direct support maintenance procedures.

(a) Army: MOS 45B Small Arms Repairer.

(b) Air Force: AFSC 3P0XXB/SEI 312 Combat Arms Specialists, Gunsmiths, and civilian equivalents.

(c) Coast Guard: Refer to COMDTINST 8000.2.

(d) Marine Corps: MOS 2111 Unit Armorer (Infantry Weapon Repairer).

(e) Navy: Gunner's Mate Guns (GMG)

(4) References - includes the operator's manual for joint service use:

(a) ARMY TM 9-1005-317-10.

(b) AIR FORCE TO 11W3-3-5-1.

(c) COAST GUARD COMDTINST M8370.11.

(d) MARINE CORPS TM 1005A-10-10/1

(e) NAVY SW 370-AA-OPI-010/9mm.

(5) Equipment Condition - is listed as applicable to the procedure.

(6) Recommend removed spring pins be replaced with new spring pins.

(7) As General Safety Instructions, make sure the magazine is removed, the pistol is clear of ammunition and the barrel has no obstructions.

END OF WORK PACKAGE

DIRECT SUPPORT MAINTENANCE OF
BARREL ASSEMBLY, NSN 1005-01-204-4337, P/N 9346422

This task covers: a. Disassembly b. Cleaning c. Inspection/Repair d. Reassembly

INITIAL SETUP

Tools and Special Tools:
Shop Set, Small Arms: Field Maintenance, Basic, Less Power, P/N SC 4933-95-CL-A11
Tool Kit, Small Arms Repairman, P/N SC 5180-95-B71

Materials/Parts:
Brush, Cleaning, Small (item 3, WP 0031 00)
Cleaner, Lubricant and Preservative (CLP) (item 4, WP 0031 00)
Cleaning Compound, Solvent, Rifle Bore Cleaner (RBC) (item 6, WP 0031 00)

Materials/Parts (cont)
Cloth, Abrasive, Crocus (item 7, WP 0031 00)
Locking Block Plunger Spring Pin, P/N D63477/8-5P
Lubricating Oil, Weapons Semi-fluid (LSA) (item 12, WP 0031 00)
Pin, Spring, Locking Block Plunger, P/N D63477-8/5P
Plunger, Locking Block, P/N 13012977
Wiping Rag, (item 13, WP 0031 00)

Equipment Condition:
Pistol field stripped.

DISASSEMBLY

EXPLOSION

WARNING

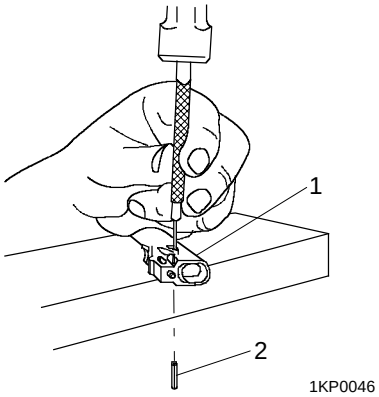
Make certain weapon is clear and there are no obstructions in the barrel or chamber.

NOTE

Installation of new style locking block requires replacement of the locking block plunger (WP 0024 00). New style plunger (only plunger authorized) can be used in old style locking block. Replacement of locking block requires replacement of plunger also.

Locking block can fall out of barrel assembly without removal of locking block plunger spring pin.

Place barrel assembly (1) on a soft surface. With a 1/16 inch punch, lightly tap out locking block plunger spring pin (2). Discard spring pin (2).

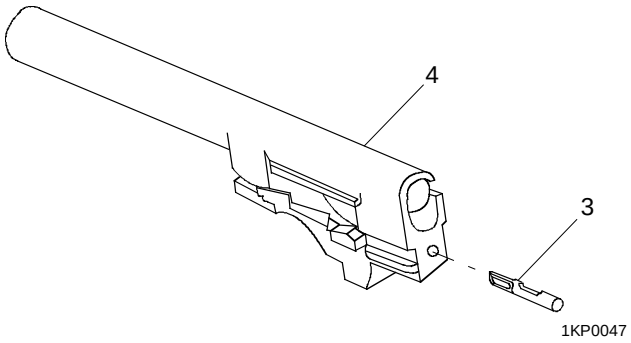


0014 00-1

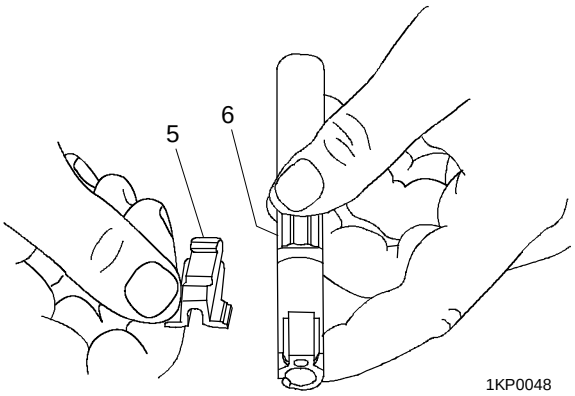
DIRECT SUPPORT MAINTENANCE OF
BARREL ASSEMBLY, NSN 1005-01-204-4337, P/N 9346422 (cont)

DISASSEMBLY (cont)

Remove locking block plunger (3) from rear of barrel (4). Discard locking block plunger (3).



Remove the locking block (5) by sliding the locking block out of either side of retaining notch (6).



CLEANING

Remove dirt and corrosion from powder-fouled part with wiping rag dampened with CLP. If necessary, use RBC with bore brush to clean bore and chamber. Lightly lubricate with CLP/LSA.

INSPECTION/REPAIR

Inspect entire exterior surface of barrel for cracks, specifically in front of barrel lugs. If cracks visible to the naked eye are found, replace barrel.

Inspect internal surfaces of bore and chamber for cracks, chipping, and excessive pitting. If pitting in the bore area exceeds one land in width and 3/8 inch in length, replace barrel.

CAUTION

If a honing stone is used to remove burrs or sharp edges, care must be taken to maintain original shape or design.

Feed ramp should be free of burrs and sharp edges. If burred, polish with crocus cloth and/or honing stone.

Visually inspect (with unaided eye) locking block and locking block lugs for cracks. If cracks are found, replace locking block.

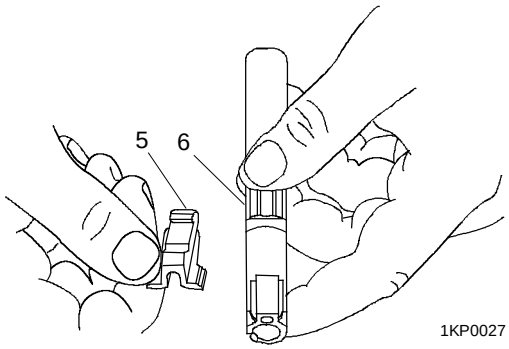
Locking block plunger should be free of burrs, cracks, and chips. If damage cannot be corrected, replace locking block plunger.

REASSEMBLY

Slide the locking block (5) into the retaining notch (6) from either the left or right side and center.

NOTE

If locking block is being replaced, also replace the locking block plunger.

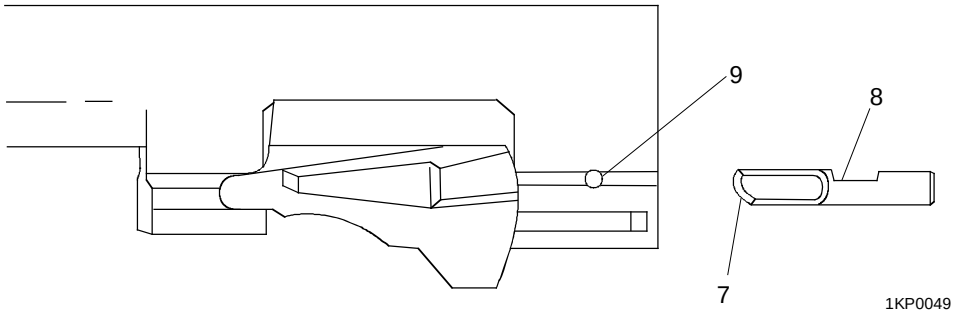


NOTE

If the old style locking block is being replaced the locking block plunger must also be replaced (see WP 0024 00).

Insert the locking block plunger curved/pointed end (7) into the rear of the barrel. The cutaway section (8) of the plunger should face upward toward barrel.

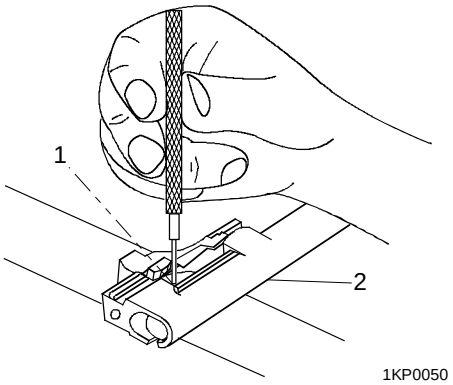
Using a 1/16 inch punch, align the plunger cutaway (8) with the spring pin hole (9).



DIRECT SUPPORT MAINTENANCE OF
BARREL ASSEMBLY, NSN 1005-01-204-4337, P/N 9346422 (cont)

REASSEMBLY (cont)

With the barrel (1) resting on a soft surface, lightly tap new 5/16 inch long locking block plunger spring pin (2) in until slightly below flush.



NOTE

When the necessary maintenance has been completed, reassemble the pistol.

END OF WORK PACKAGE

DIRECT SUPPORT MAINTENANCE OF SLIDE ASSEMBLY, NSNA, P/N 9346485

This task covers: a. Disassembly b. Cleaning c. Inspection/Repair d. Reassembly

INITIAL SETUP

Tools and Special Tools:
- Shop Set, Small Arms: Field Maintenance, Basic, Less Power, P/N SC 4933-95-CL-A11
- Tool Kit, Small Arms Repairman, P/N SC 5180-95-B71

Materials/Parts:
- Cleaner, Lubricant and Preservative (CLP) (item 4, WP 0031 00)
- Cleaning Compound, Solvent, Rifle Bore Cleaner (RBC) (item 6, WP 0031 00)
- Cloth, Abrasive, Crocus (item 7, WP 0031 00)

Materials/Parts (cont):
- Firing Pin Block Spring Pin, P/N D63477/8-37P
- Lubricant, Solid Film (item 9, WP 0031 00)
- Lubricating Oil, Weapons Semi-fluid (LSA) (item 12, WP 0031 00)
- Safety Lever Spring Pin (2), P/N D63477/5-124P
- Wiping Rag, (item 13, WP 0031 00)

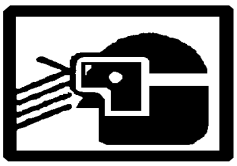
Equipment Condition:
- Slide removed from receiver.

NOTE

The rear sight may be removed without disassembly of the slide. The decocking/safety lever must be in the safe (down) position. Refer to the last two steps of disassembly.

DISASSEMBLY

WARNING



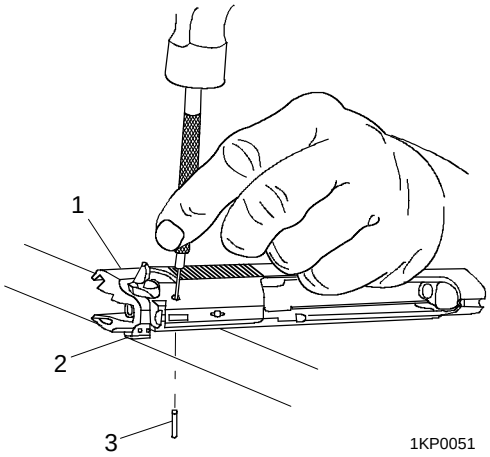
EYE PROTECTION

Firing pin block is under spring tension. Wear eye protection to prevent injuries.

CAUTION

When removing the punch, maintain slight pressure on the bottom side of the firing pin block.

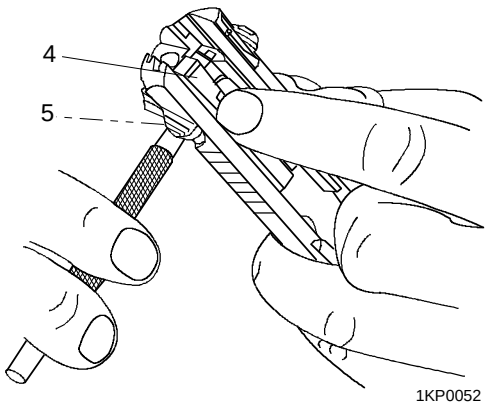
Place slide assembly (1) on left or right side, with decocking/safety lever (2) over edge of soft support. With a punch, tap out firing pin block spring pin (3) and discard.



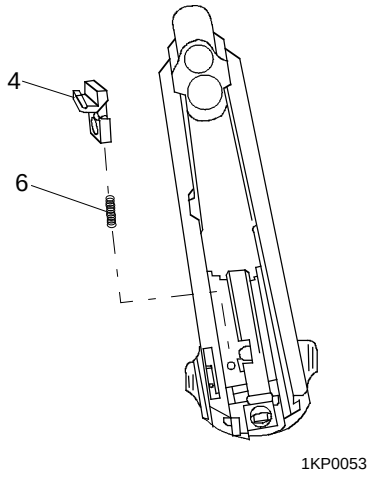
DIRECT SUPPORT MAINTENANCE OF
SLIDE ASSEMBLY, NSNA, P/N 9346485 (cont)

DISASSEMBLY (cont)

With the forefinger, push in slightly on the bottom side of the firing pin block (4). Remove punch from the firing pin block pinhole (5).



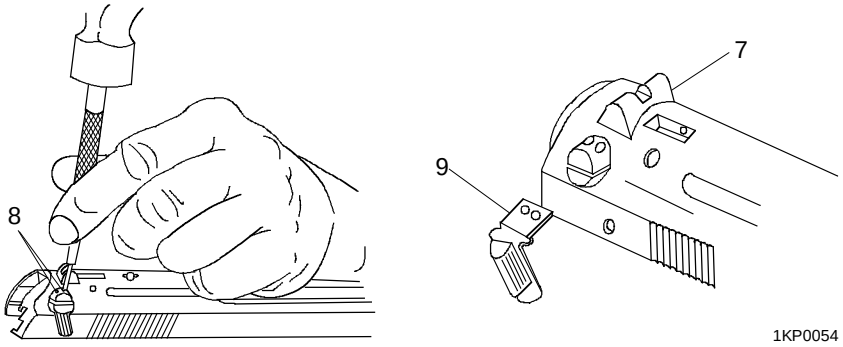
Slowly release the pressure on the firing pin block (4). Remove the firing pin block (4) and firing pin block spring (6) from cavity.



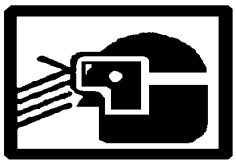
NOTE

In order to remove the spring pins, for removal of the right safety lever wing, the decocking/safety lever must be in the safe (down) position.

Place the slide on a soft support with the sight (7) up. With a punch, tap out both right side safety lever spring pins (8) and discard. Remove the right safety lever wing (9).



WARNING



EYE PROTECTION

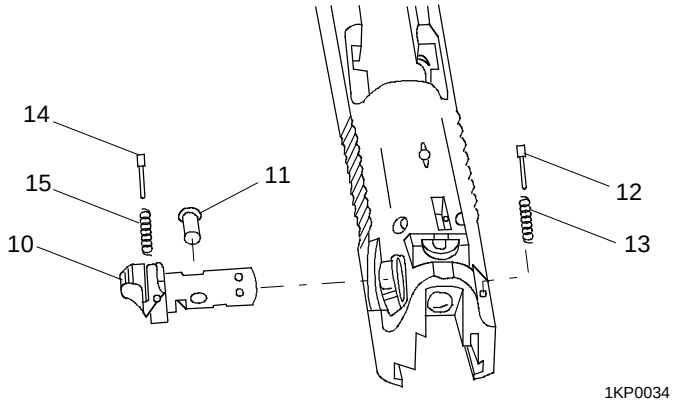
The trigger bar detent and the left safety detent are under spring tension. Wear eye protection to prevent injuries.

CAUTION

The palms of both hands should be used when removing the decocking/safety lever from the slide to prevent loss of detents and springs.

Rotate decocking/safety lever (10) to fire (up) position. With a punch, push in on the rear of the firing pin striker (11) and rotate decocking/safety lever up past fire position until a click is heard and hold. Carefully push in on the right side of the decocking/safety lever (10) while maintaining control of detents (12 and 14) and springs (13 and 15).

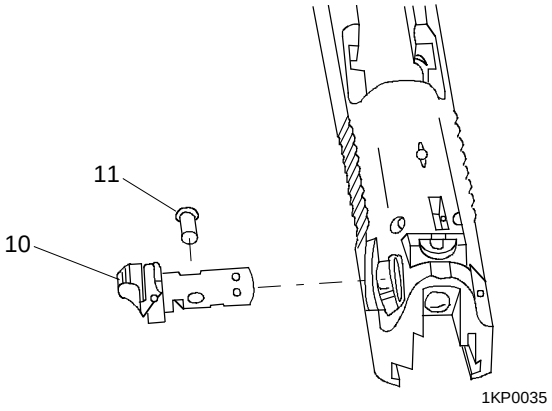
Remove both detents (12 and 14) and springs (13 and 15).



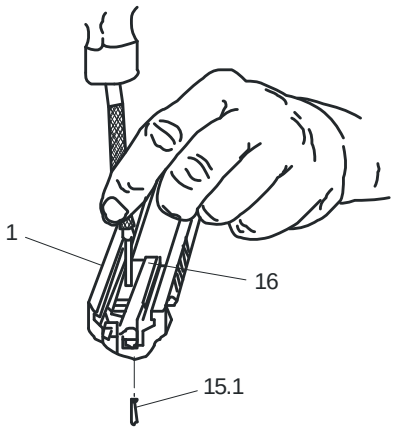
DIRECT SUPPORT MAINTENANCE OF
SLIDE ASSEMBLY, NSNA, P/N 9346485 (cont)

DISASSEMBLY (cont)

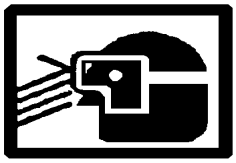
Remove the decocking/safety lever (10) and firing pin striker (11) from the slide. Remove the firing pin striker (11) from the decocking/safety lever (10).



Place the slide (1) on a soft support with the sights down. Place the slide in a position so the headed extractor pin can be tapped out. With a punch, tap out the headed extractor pin (15.1) downward at a slight angle. With a pair of pliers, pull the headed extractor pin (15.1) from the slide (1) while maintaining slight pressure on the rear of the extractor (16).



WARNING



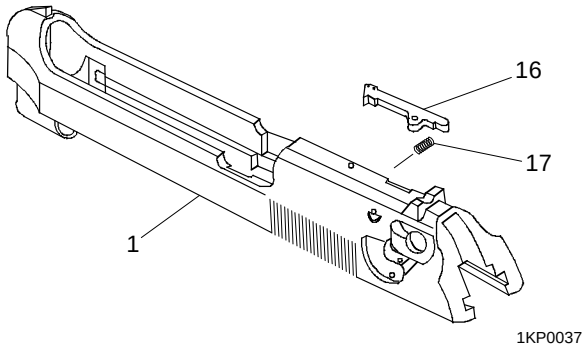
EYE PROTECTION

Firing pin is under spring tension. Wear eye protection to prevent injuries.

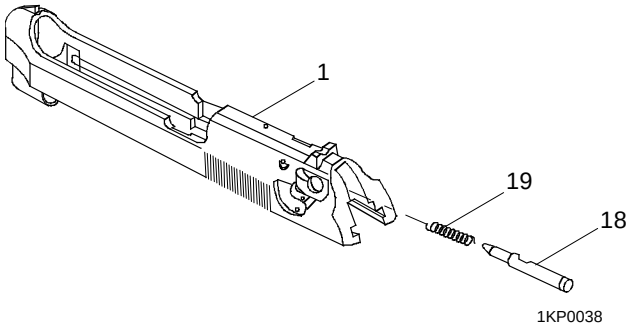
CAUTION

When releasing pressure from the rear of the extractor (16), ensure the rear of the slide is covered to prevent ejection and loss of the firing pin (18) and the firing pin spring (19).

Remove the extractor (16) and extractor spring (17) from the slide (1).



Remove the firing pin (18) and firing pin spring (19) by elevating the muzzle end of the slide (1).



CAUTION

Rear sight can only be removed/reinstalled from the left side of slide.

NOTE

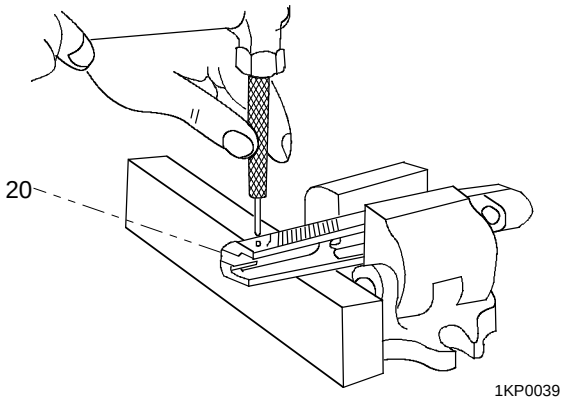
Removal of rear sight is authorized only when replacement is required.

Mark a reference line, with a pencil, on top of the slide. The center of the rear sight notch should be aligned with the reference line (pencil mark).

DIRECT SUPPORT MAINTENANCE OF
SLIDE ASSEMBLY, NSNA, P/N 9346485 (cont)

DISASSEMBLY (cont)

Clamp the slide into a soft-jawed vise between the breech face and the front sight. Support the slide (1) near the rear sight with a soft support. With a brass punch, tap the rear sight (20) out of the dovetail on slide.



CLEANING

Remove dirt and corrosion from powder-fouled parts with wiping rag dampened with CLP/RBC. Lightly lubricate with CLP/LSA after cleaning.

INSPECTION/REPAIR

CAUTION

If a honing stone is used to remove burrs or sharp edges, care must be taken to maintain original shape or design.

Inspect slide for burrs or chips on contact surfaces. Polish with crocus cloth (honing stone if necessary).

Visually inspect (with unaided eye) slide for cracks. If cracks are found, replace slide.

Inspect firing pin for mushrooming, pitting, or cracks. If necessary, replace firing pin.

Firing pin spring should not be bent or broken. If bent or broken, replace firing pin spring.

Check rear sight for looseness upon reassembly. If loose try another sight.

Decocking/safety lever should not be bent or burred. If bent, replace. If burred, polish with crocus cloth.

Detents and springs should not be bent or broken. If bent or broken, replace.

Free length of recoil spring will not be less than five inches. If free length is less than five inches, replace recoil spring.

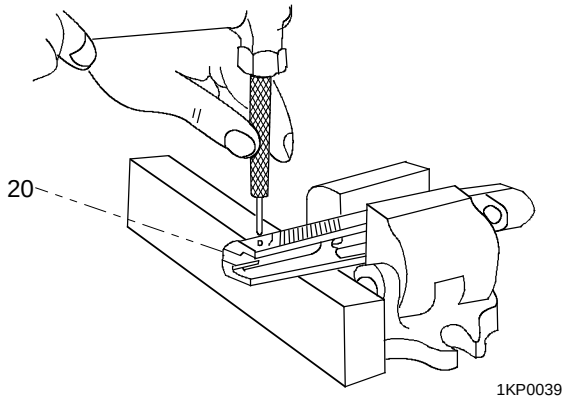
Extractor hook should not be burred or broken. If broken, replace.

Breech face should be smooth with no burrs. If burred, polish with crocus cloth.

All parts should have a dull black finish (except the firing pin and springs). External surface is critical. If shiny surfaces exist, use solid film lubricant.

REASSEMBLY

Place the slide into a soft-jawed vice (left side up). Using brass punch, tap the rear sight (20), with notch of sight facing to the rear, into the dovetail. Align the center of the rear sight notch with the reference line (pencil mark).

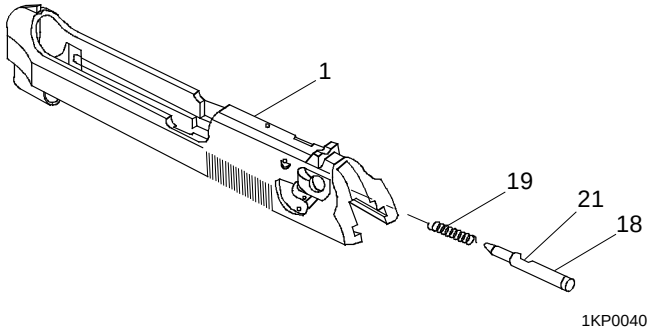


NOTE

When inserting the firing pin (18), the firing pin block cutout (21) in the firing pin must be aligned to the proper angle with the firing pin block cutout of the slide.

Place the firing pin spring (19) onto the forward portion of the firing pin (18).

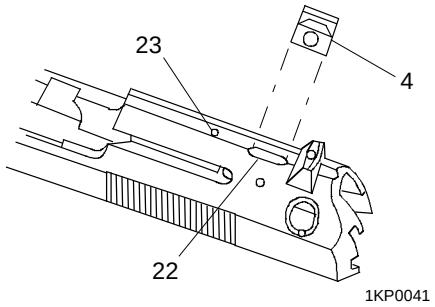
Insert the firing pin (18) and the firing pin spring (19) into the rear of the slide (1) with firing pin block cutout (21) facing to the right.



DIRECT SUPPORT MAINTENANCE OF
SLIDE ASSEMBLY, NSNA, P/N 9346485 (cont)

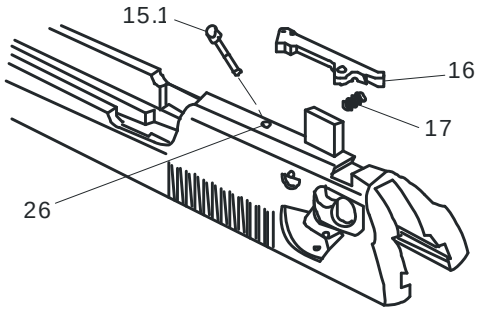
REASSEMBLY (cont)

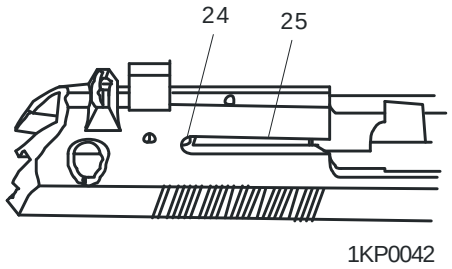
With a punch, push in on the firing pin (18). Insert the firing pin block (4) upside down into the firing pin block cutout (22) in the top of the slide. This will ensure that the cutout of the firing pin is aligned with the extractor retaining pinhole (23).



Insert the extractor spring (17) into the extractor spring recess hole (24). Insert the extractor (16) into the extractor cutout (25).

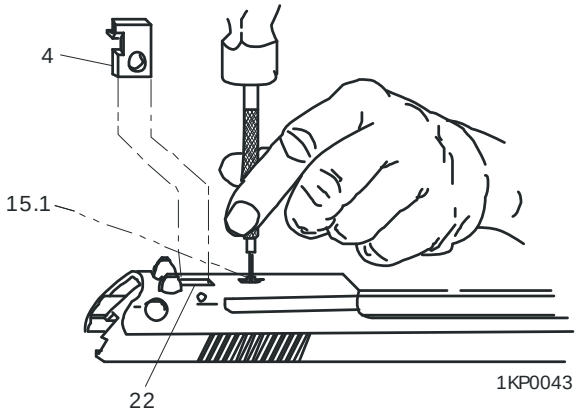
Insert and push the headed extractor pin (15.1) into the headed extractor pinhole (26) until it engages and retains extractor (16), while maintaining pressure on the rear of the extractor (16).



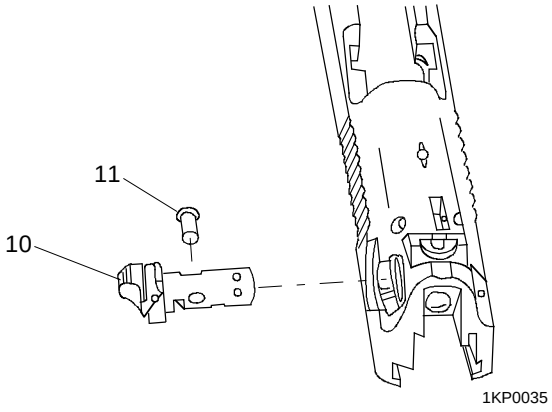


Tap in the headed extractor pin (15.1). With a punch, tap the headed extractor pin (15.1) in until seated. Stake or restake at the two points parallel with the barrel (using original slide as reference).

Remove firing pin block (4) from the firing pin block cutout (22). Check extractor (16) to see that it is under spring tension.



Insert the firing pin striker (11) into the decocking/safety lever (10).



DIRECT SUPPORT MAINTENANCE OF
SLIDE ASSEMBLY, NSNA, P/N 9346485 (cont)

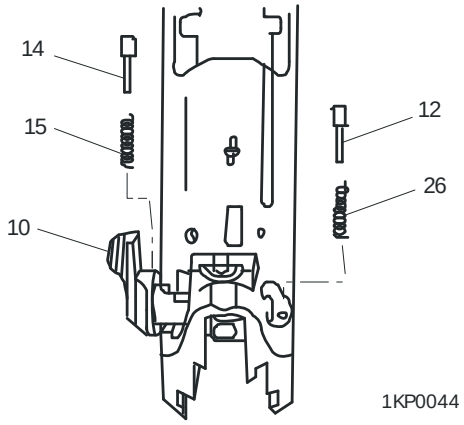
REASSEMBLY (cont)

NOTE

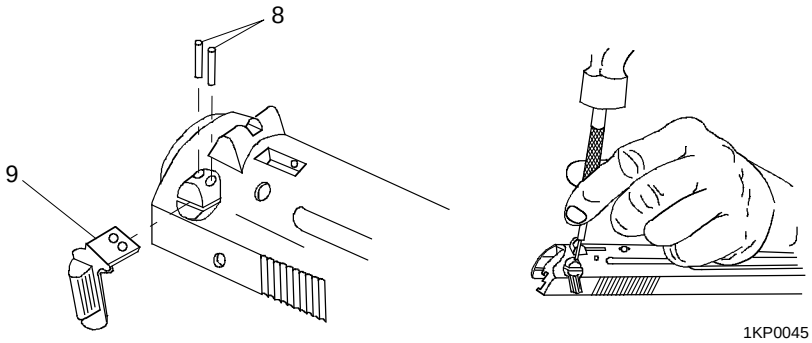
The trigger bar detent spring (26) and firing pin block spring (6, WP 0015 00-2) are interchangeable. The safety detent spring is slightly larger than the trigger bar detent and firing pin block springs.

Preposition the smaller trigger bar detent (12) and spring (26) into the trigger bar detent retaining hole. Also preposition the safety detent (14) and spring (15) into the decocking/safety lever (10).

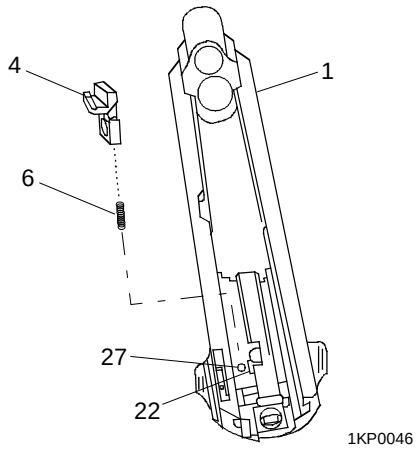
Insert the decocking /safety lever (10) into the slide with the safety lever wing (9) slightly above the fire (up) position. Ensure the rear of the firing pin striker (11) is flush with the rear of the decocking/safety lever (10). Push the decocking/safety lever (10) in until contacting the trigger bar detent (12) and spring (26). With a punch, push downward on the trigger bar detent (12) and spring (26). While maintaining pressure on the trigger bar detent (12), push the decocking/safety lever (10) over the top of the trigger bar detent (12). With a punch, push in on the safety detent (14) and spring (15), at the same time, pushing the decocking/safety lever (10) all the way to the right until seated. Rotate the decocking/safety lever (10) to the safe (down) position.



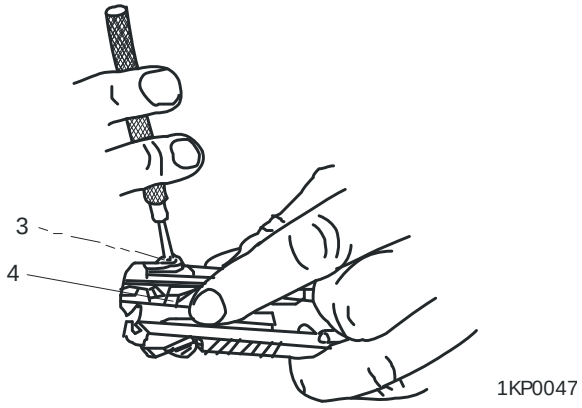
Insert the right safety lever wing (9) onto the decocking/safety lever (10) and align holes with a punch. Install two new safety lever spring pins (8) until slightly below flush making sure the pins do not protrude through the bottom or top of the decocking/safety lever (10). Rotate the decocking/safety lever (10) to ensure that it moves freely and is retained in both the safe (down) and fire (up) positions.



Rotate the slide (1) with sights down. Carefully seat new firing pin block spring (6) into recess hole (27). Insert the firing pin block (4) into the firing pin block cutout (22).



With the forefinger, push in on the firing pin block (4). Place the slide on its side and with a punch tap the firing pin block spring pin (3) in until slightly below flush. Using the punch, push the firing pin block (4) upward, and ensure that it moves freely under spring tension.



NOTE

When necessary maintenance has been completed, reassemble the pistol.

END OF WORK PACKAGE

**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649**

This task covers: a. Disassembly b. Cleaning c. Inspection/Repair d. Reassembly

INITIAL SETUP

Tools and Special Tools:
- Shop Set, Small Arms: Field Maintenance, Basic, Less Power, P/N SC 4933-95-CL-A11
- Tool Kit, Small Arms Repairman, P/N SC 5180-95-B71
- M9 Grip Screw Bushing Staking Tool (item 1, WP 0032 00)

Materials/Parts:
- Brush, Cleaning, Small Arms: toothbrush (item 2, WP 0031 00)
- Bushing, Grip Screw, PN 9346473
- Cleaner, Lubricant and Preservative (CLP) (item 4, WP 0031 00)

Materials/Parts (cont):
- Cleaning Compound, Solvent, Rifle Bore Cleaner (RBC) (item 6, WP 0031 00)
- Cloth, Abrasive, Crocus (item 7, WP 0031 00)
- Lubricant, Solid Film (item 9, WP 0031 00)
- Lubricating Oil, Weapons Semi-Fluid (LSA) (item 12, WP 0031 00)
- Pin, Straight, Shouldered, Lanyard Loop, P/N 12446375
- Spring Pin, Ejector, P/N 9346468
- Spring Pin, Lanyard Loop, P/N D63477/8-101P
- Wiping Rag, (item 13, WP 0031 00)

Equipment Condition:
- Pistol field stripped.

DISASSEMBLY

EXPLOSION

WARNING

Be sure pistol is clear and there are no obstructions in the barrel or chamber.

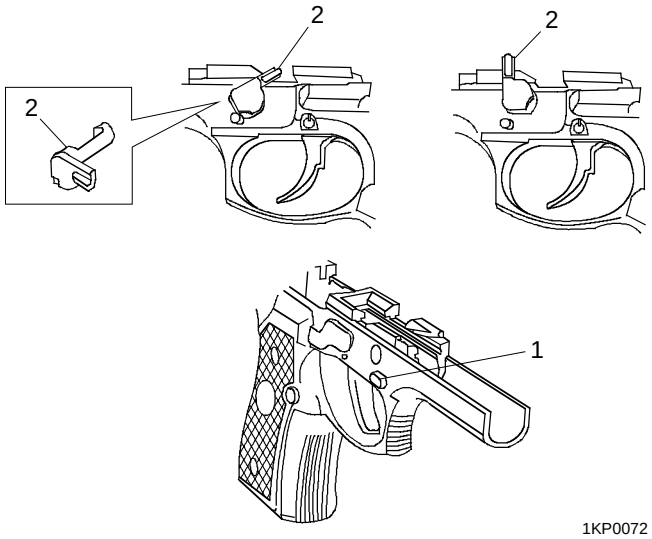
CAUTION

To prevent loss of disassembly button and spring, be sure to release button pressure slowly after the removal of the disassembly latch lever.

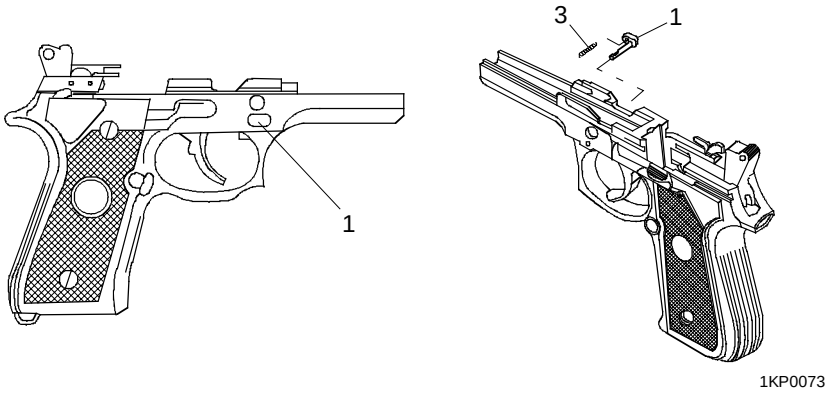
**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)**

DISASSEMBLY (cont)

Push in on the disassembly latch button (1) and rotate the disassembly latch lever (2) upward until contacting the slide rail. While maintaining firm pressure on the disassembly latch button (1), pull out, and rotate upward to remove the disassembly latch lever (2).



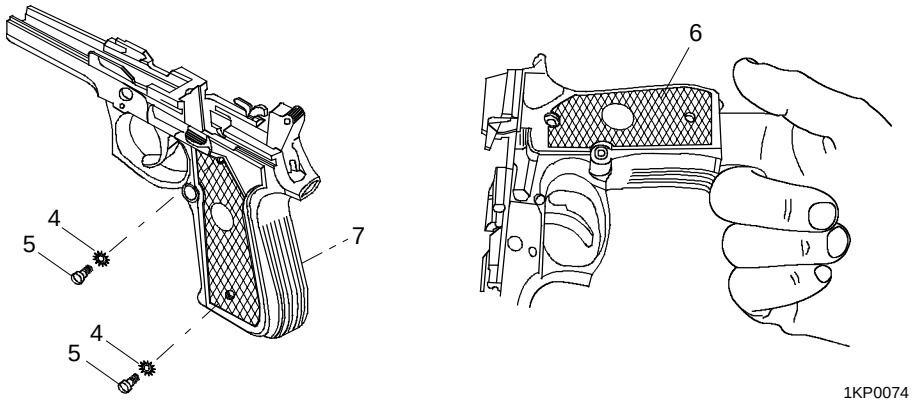
Remove the disassembly latch button (1) and spring (3).



NOTE

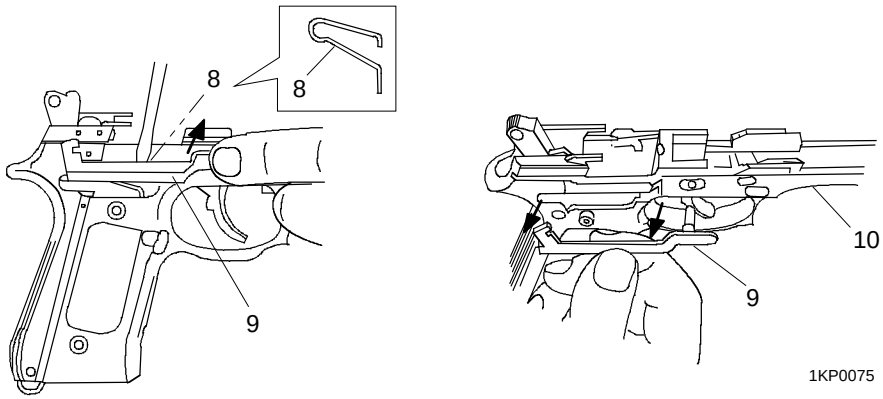
When removing each pistol grip, the lock-washers may remain seated or come loose. Be careful not to lose them.

Remove two grip screws (4) and washers (5). Using the forefinger, insert the finger into the magazine well and gently lift up on the left pistol grip (6). Repeat the procedure to remove right grip (7).



Place the receiver on the left side. Locate the trigger bar spring (8) just below the trigger bar (9). With the tip of fingernail or screwdriver, or the use of needle-nosed pliers, carefully unseat the upper portion of the trigger bar spring (8) from the trigger bar (9). Gently lift up and remove the trigger bar spring (8) from the hole in the receiver (9).

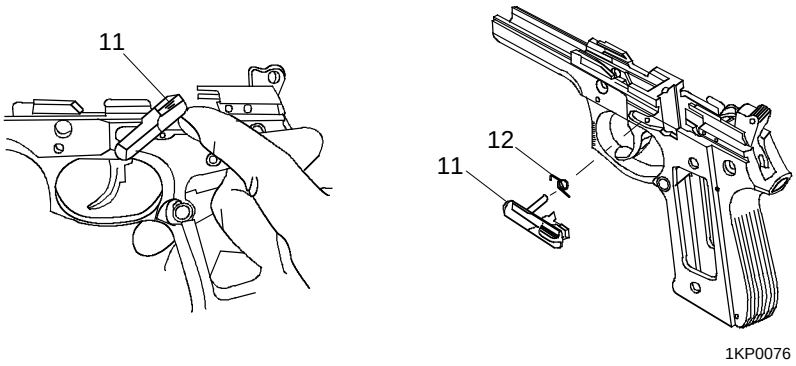
To remove the trigger bar (9), unseat the trigger bar by inserting the forefinger into the receiver and pushing outward on the trigger bar (9). Pull the trigger bar (9) out from the right side of the receiver (10).

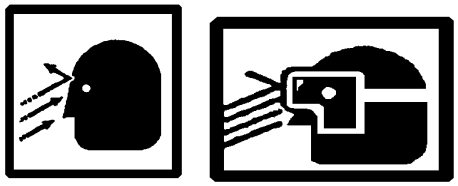


**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)**

DISASSEMBLY (cont)

Rotate the slide stop (11) slightly upward and pull out until the slide stop can rotate freely downward. Remove the slide stop (11) and slide stop spring (12).



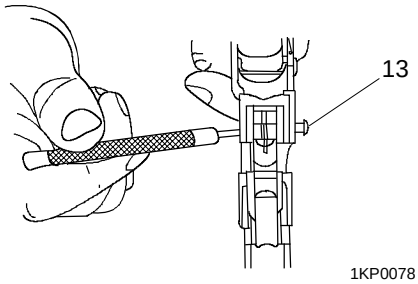


FLYING PARTS **EYE PROTECTION**

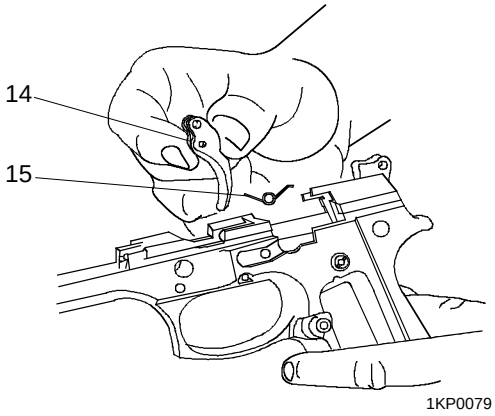
WARNING

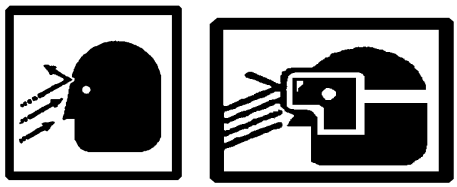
Cover the top of the trigger cavity to prevent ejection or loss of the trigger spring, or possible injury to personnel during removal of the trigger pin.

With a 3/32 inch punch, push the headed trigger pin (13) out from the right to left.



To remove the trigger (14) and the trigger spring (15), push upward on the trigger and pull out.





FLYING PARTS **EYE PROTECTION**

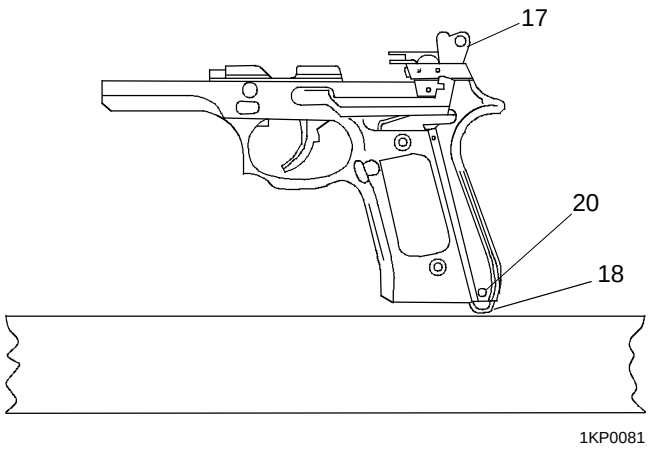
WARNING

During removal/installation of the lanyard loop spring pin (20), be sure the punch is left in place to prevent accidental loss of parts or injury to personnel.

CAUTION

Ensure hammer (17) is in the down or forward position.

Hold the pistol in a horizontal position with the bottom of lanyard loop (18) against the table. Press in on the lanyard loop (18), use a punch to push shouldered straight pin (20) free of pistol. Carefully allow mainspring to expand to its free length.

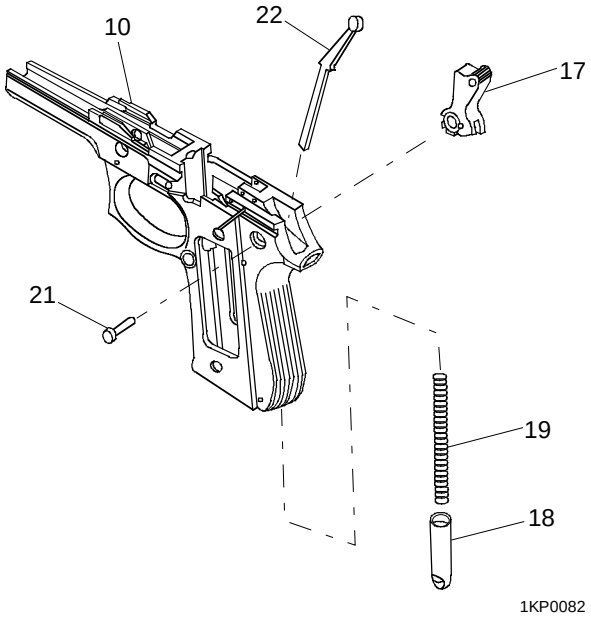


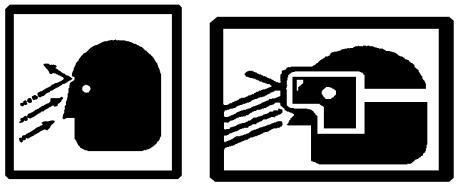
Remove the mainspring (19) and lanyard loop (18).

**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)**

DISASSEMBLY (cont)

Using a punch, remove the headed hammer pin (21) by pushing out from right to left. Lift up and remove the hammer (17) from the receiver (10). Rotate the receiver upside down to allow the hammer strut (22) to fall free.





FLYING PARTS **EYE PROTECTION**

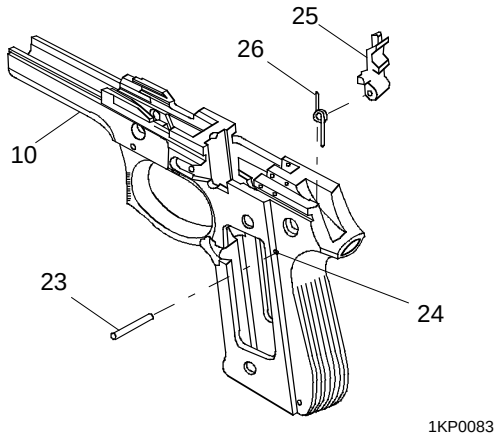
WARNING

Cover the top of the trigger cavity to prevent ejection or loss of the sear spring, or possible injury to personnel during removal of the trigger pin.

CAUTION

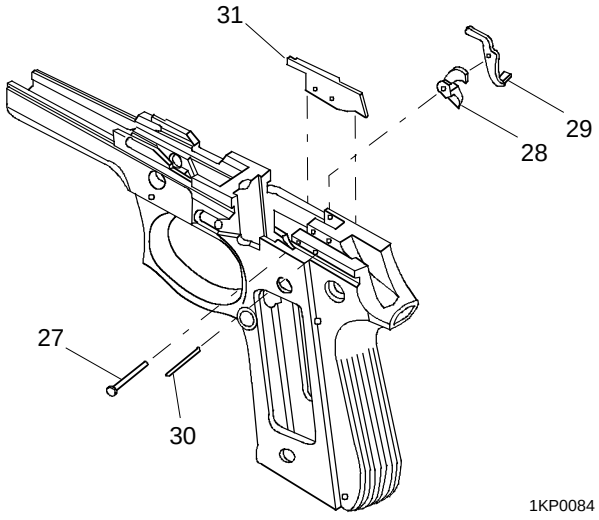
During removal of the sear pin, use the finger to maintain control of the sear spring to prevent ejection and/or loss.

With 3/32 inch punch, push the sear pin (23) out of the sear pin hole (24). Rotate the receiver (10) to allow the sear (25) and the sear spring (26) to fall free.



Place the receiver on its left side. With a 1/16 inch punch, lightly tap out the headed straight pin (27). Remove the hammer release lever (28) and firing pin block lever (29).

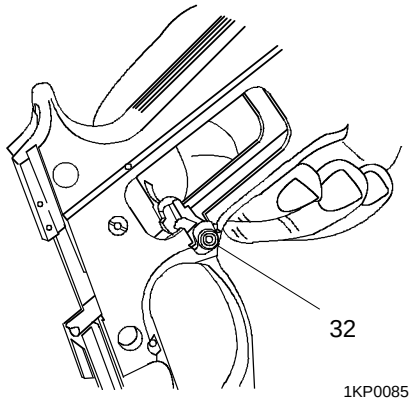
With a 1/16 inch punch, lightly tap out the ejector spring pin (30) from right to left. Remove ejector (31). Discard ejector spring pin (30).



**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)**

DISASSEMBLY (cont)

Remove the magazine catch assembly (32) by pushing in and to the rear with the tip of the finger on the side opposite the magazine release button.



CAUTION

During removal of grip screw bushing (33) from the right side of the receiver, be sure slide stop is removed from the receiver to prevent possible damage.

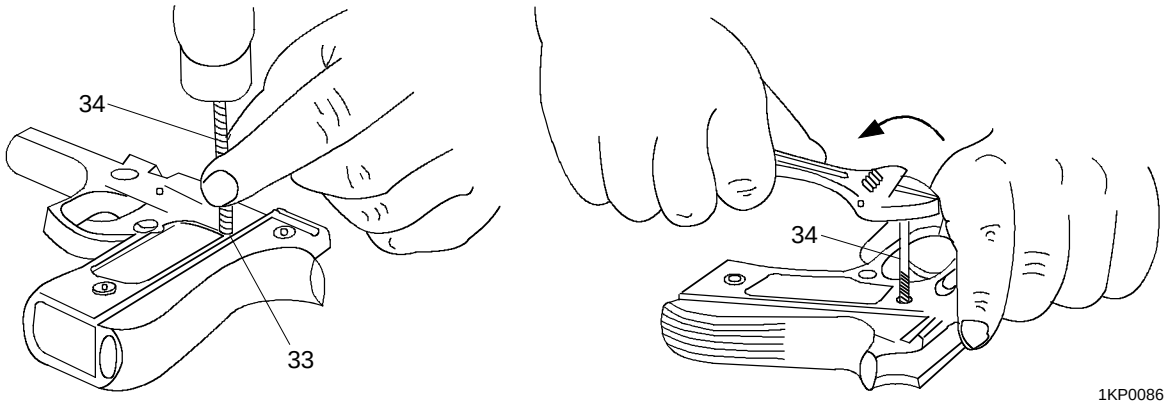
NOTE

Removal of grip screw bushing (33) is authorized only when replacement is required.

In order to remove damaged grip screw bushing (33) drill through the center of the bushing (33) using an electric drill with a 1/8 inch drill bit.

Insert a No. 1 easy-out extractor (34) into 1/8 inch hole. With small hammer, firmly tap easy-out extractor (34) into bushing (33).

Using an adjustable open-end wrench, carefully and slowly turn easy-out extractor (34) in a counterclockwise direction and remove bushing (33).



CLEANING

Remove dirt and corrosion from powder-fouled parts with wiping rag dampened in CLP. Lightly lubricate with CLP/LSA after cleaning.

INSPECTION/REPAIR

Check receiver for distortion and burrs. If receiver is distorted, weapon is unserviceable. Code-out the weapon and requisition a new weapon.

CAUTION

If a honing stone is used to remove burrs or sharp edges, care must be taken to maintain the original shape or design.

Remove burrs from parts with a fine honing stone or crocus cloth.

Check pins for distortion, cracks or excessive wear. Replace if distorted, cracked, or excessively worn.

Check springs for breaks, cracks, or distortion. Free length of mainspring will not be less than 5 inches. Replace broken, cracked, or permanently set springs.

Visually inspect (with unaided eye) receiver rails and receiver for cracks. If cracks are detected, receiver is unserviceable.

External surface finish is critical. If shiny surfaces exist, use solid film lubricant.

REASSEMBLY

NOTE

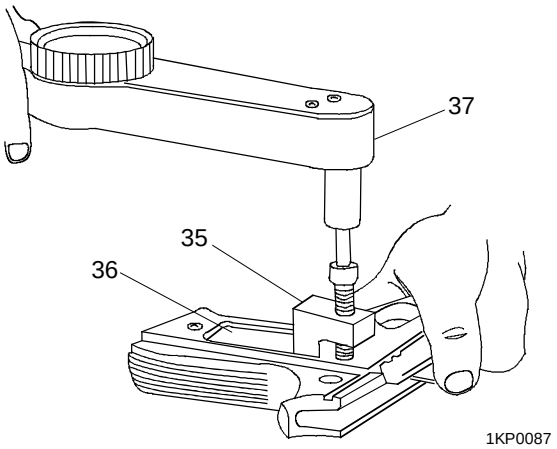
Tip of a screwdriver should be modified to fit the slot on the replacement grip screw bushing.

With screwdriver, slowly screw new grip screw bushing into the receiver. Tighten grip screw bushing until snug.

Insert fabricated staking tool (35) into magazine well window (36). At the same time, center staking point and recessed area of cap screw onto bushing. Using a 3/8 inch torque wrench (37), carefully torque cap screw to between 110-115 in/lbs.

NOTE

If the receiver threads are stripped, or a grip screw bushing can not be tightened by staking, turn weapon in for replacement.



**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)**

Unscrew staking tool (35) and remove.

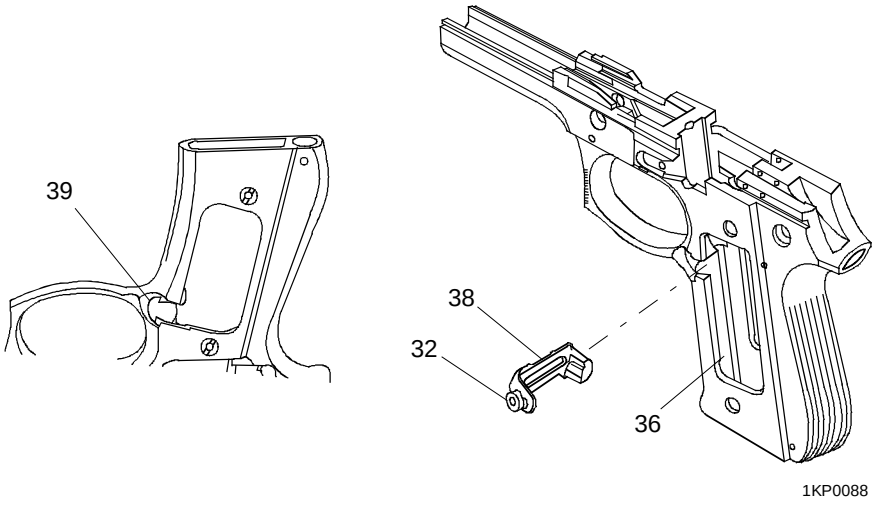
Use a fine file or honing stone to remove rough edges around grip screw bushing inside the magazine well.

Touch up with solid film lubricant.

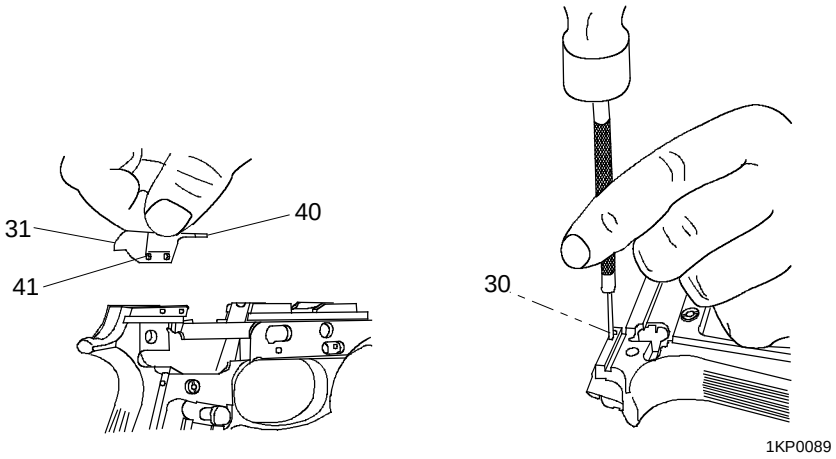
NOTE

To reverse the magazine catch assembly, install the button on the opposite side.

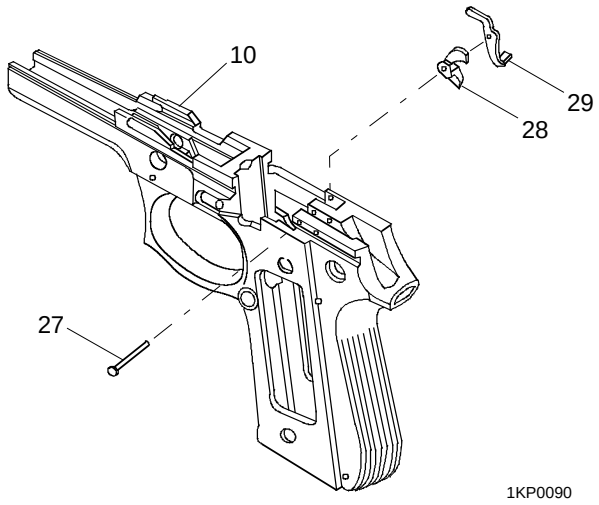
To install the magazine catch assembly (32), insert the magazine catch assembly through the magazine well window (36) at an angle. The long bushing (38) of the magazine catch assembly (32) must catch on the edge of the magazine catch assembly cutout (39). At the same time, push in on the flat side of the magazine catch assembly (32) and push down to seat. This will be indicated by a click.



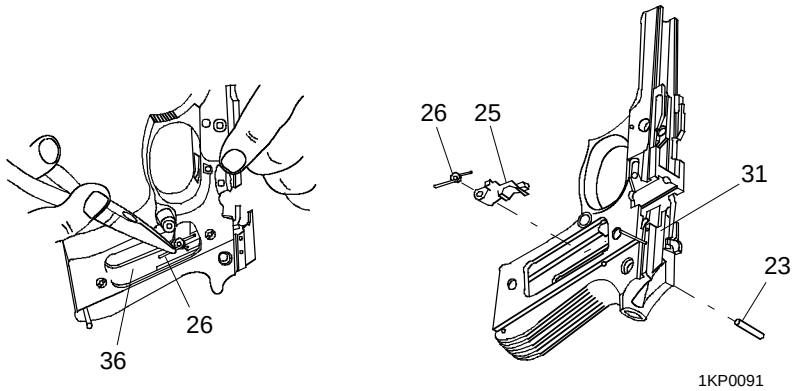
Install the ejector (31) with the pointed/notched end (40) forward and align the ejector pin hole (41) with a 1/16 inch punch. Lightly tap new ejector spring pin (30) in until slightly below flush.



To install the hammer release lever (28) and the firing pin block lever (29), preposition the headed straight pin (27) into the left side of the receiver (10). Position the hammer release lever (28) with the curved arm pointing up and to the rear. Then push the headed straight pin (27) in until it holds the hammer release lever in position. Insert the firing pin block lever (29) with the bent foot extending through the upper magazine well window cutout. Carefully align the firing pin block lever hole with a punch and lightly tap in the headed straight pin (27), and stake. (Always stake in the center of **pin** at the 9 or 3 o'clock position.) Check that both the hammer release lever (28) and the firing pin block lever (29) pivot freely.



Preposition the sear pin (23) into the right side of the receiver with muzzle end of the receiver facing upward. Insert the sear (25), with the flat side up through the magazine well window (36). Slide the sear (25) toward the ejector (31). Lower the sear into the sear cutout aligning the hole in the sear with the hole in the receiver. At the same time, push the sear pin (23) in until it holds the sear in position. Install the sear spring (26) with the short leg toward the ejector, and the curved portion of the spring coil facing towards the magazine well. Push down on the spring coil with a punch and push in the sear pin (23).



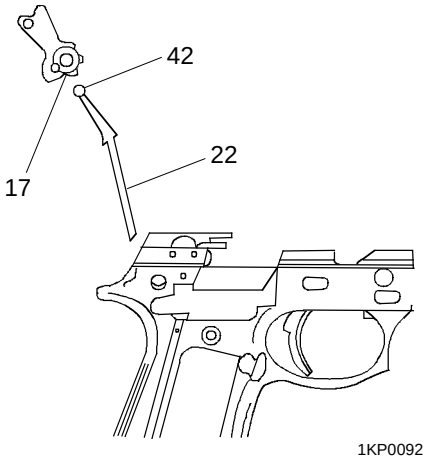
**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)**

REASSEMBLY (cont)

NOTE

Be sure the straight end of the hammer strut (22) is down and the curved/rounded end (42) is facing the rear.

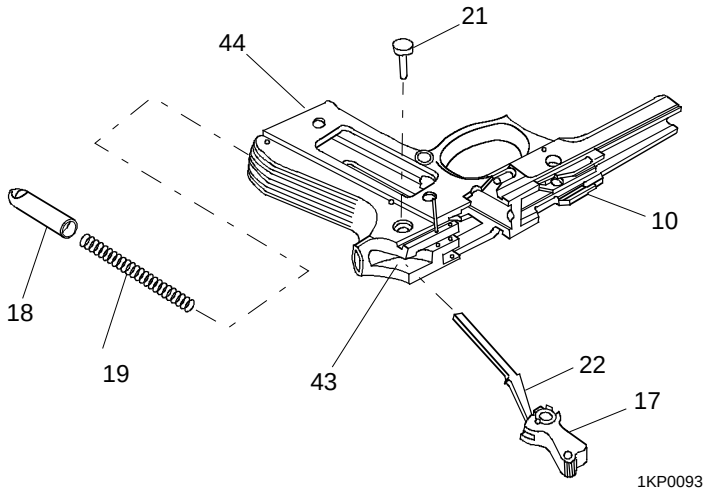
Insert the rounded end (42) of the hammer strut into the recess in the hammer (17).



With the receiver (10) resting on the right side, insert the hammer and hammer strut (17 and 22) into the hammer cavity (43).

Align the hammer with the hole in the receiver and insert the straight headed hammer pin (21) into the left side of the receiver until seated.

Rotate the receiver (10) until the bottom of the magazine well (36) faces upward. Insert the mainspring (19) into the bottom of the mainspring cavity (44) and onto the hammer strut (22).

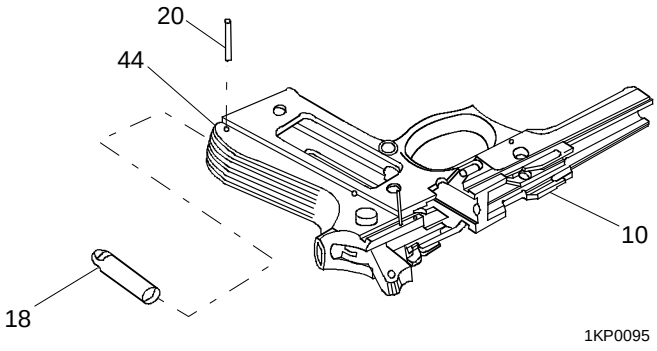


CAUTION

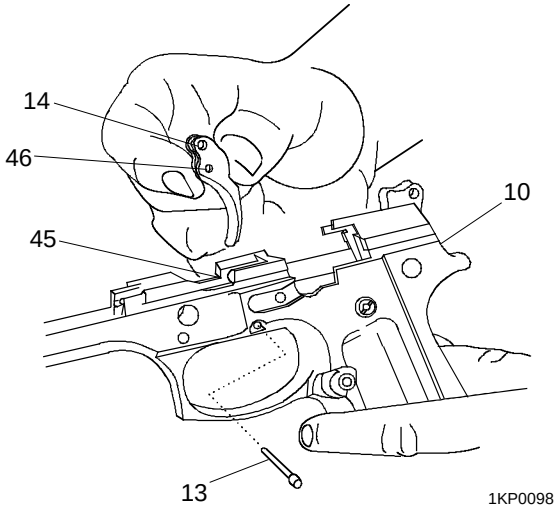
Downward pressure must be maintained on the lanyard loop (18) to overcome the mainspring pressure. A 1/8 inch punch should be used to align the lanyard loop spring pin hole with the hole in the receiver. This will allow alignment of the lanyard loop spring pin during installation.

Ensure hammer is in the down or forward position.

Install the lanyard loop (18) into the mainspring cavity (44) and onto the mainspring. Rotate the receiver (10) to the horizontal position and rest the lanyard loop (18) against the edge of a table. Compress the mainspring by pushing in on the receiver (10). At the same time, align the shouldered straight pin (20) with the lanyard loop pin hole. Push the shouldered straight pin (20) in until slightly below flush.



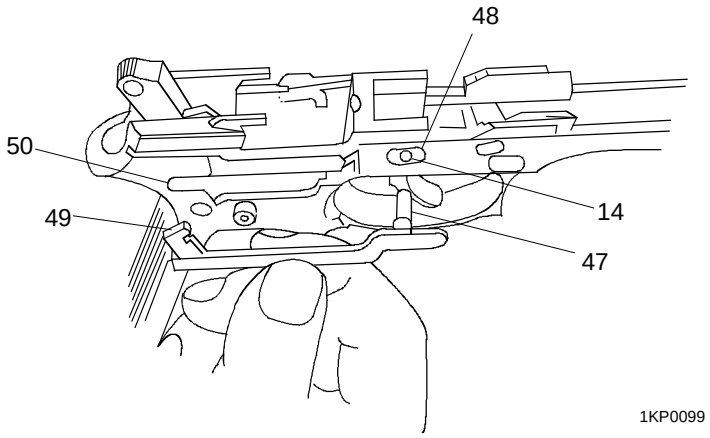
Install the trigger (14) into the trigger cavity (45). Align the lower hole (46) of the trigger with the hole in the receiver. Insert the trigger pin (13) into the left side of the receiver (10) until it holds the trigger in position.

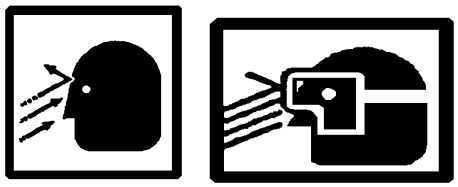


**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)**

REASSEMBLY (cont)

Insert the trigger bar post (47) through the oval slot (48) into the trigger bar post hole of the trigger (14). At the same time, insert the trigger bar lug (49) into the trigger bar lug cutout (50) of the receiver.





FLYING PARTS **EYE PROTECTION**

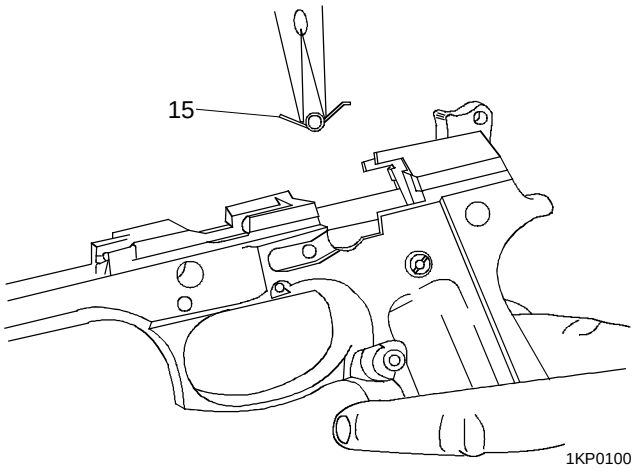
WARNING

When applying pressure to the center/coil area of trigger spring, use care to prevent ejection of trigger spring as it could become lost or cause possible injury to personnel.

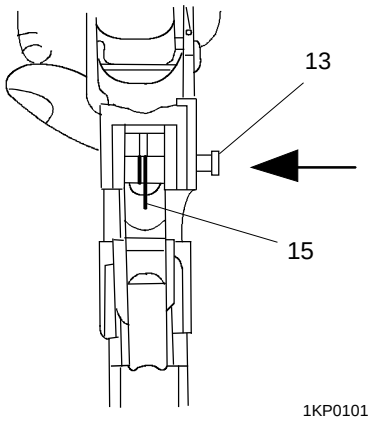
NOTE

If both ends of the trigger spring are bent, the following step still applies.

With a needle-nose pliers, grasp the trigger spring (15) in the center/coil area with the straight leg of the spring forward and the bent leg facing to the rear.



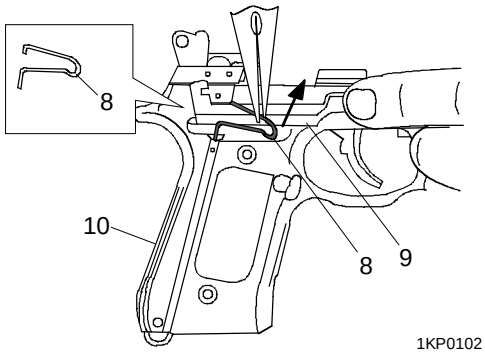
Lower the trigger spring into the trigger spring cutout, ensuring that the bent leg of the trigger spring is resting on top of the trigger bar post. With a screwdriver, push down on the center/coil area, at the same time push the trigger pin (13) in until seated.



**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)**

REASSEMBLY (cont)

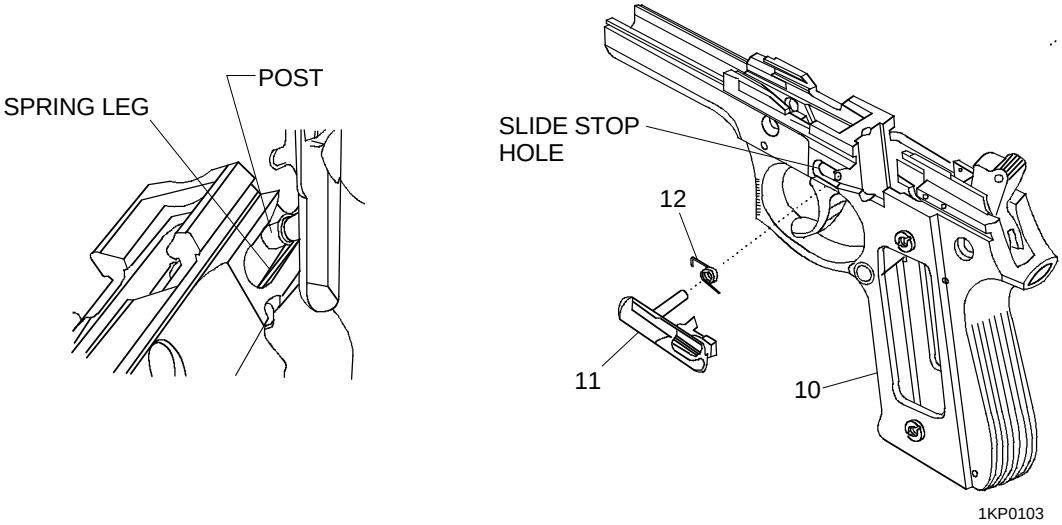
With a needle-nose pliers, install the 90-degree angle end of the trigger bar spring (8) into the trigger bar spring retaining hole in the receiver (10). Then insert the rounded loop end of the trigger bar spring into the trigger bar spring groove of the receiver. With a screwdriver, fingernail, or needle-nose pliers, pull down and insert the slightly curved end of the trigger bar spring into the bottom groove of the trigger bar (9).



NOTE

Ensure the bent leg of the slide stop spring (12) retains the trigger pin after installation.

Install the slide stop spring (12) onto post of slide stop (11) with the straight leg resting in the slide stop spring cutout and the bent leg pointing down. Insert the bent leg of the slide stop spring into the forward slide stop cutout hole. At the same time, insert the post slide stop into the slide stop hole of the receiver (10). Rotate the slide stop (11) slightly upward and push in until seated.



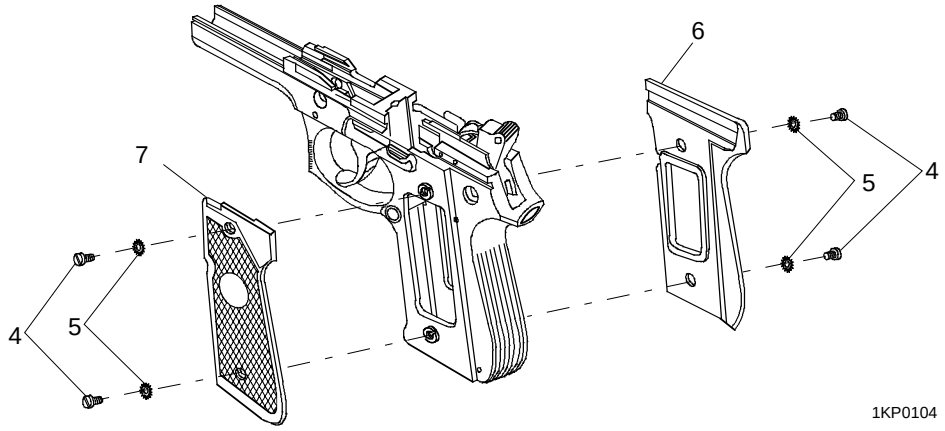
CAUTION

Damage will occur from over-tightening the grip screws. Tighten grip screws only until snug.

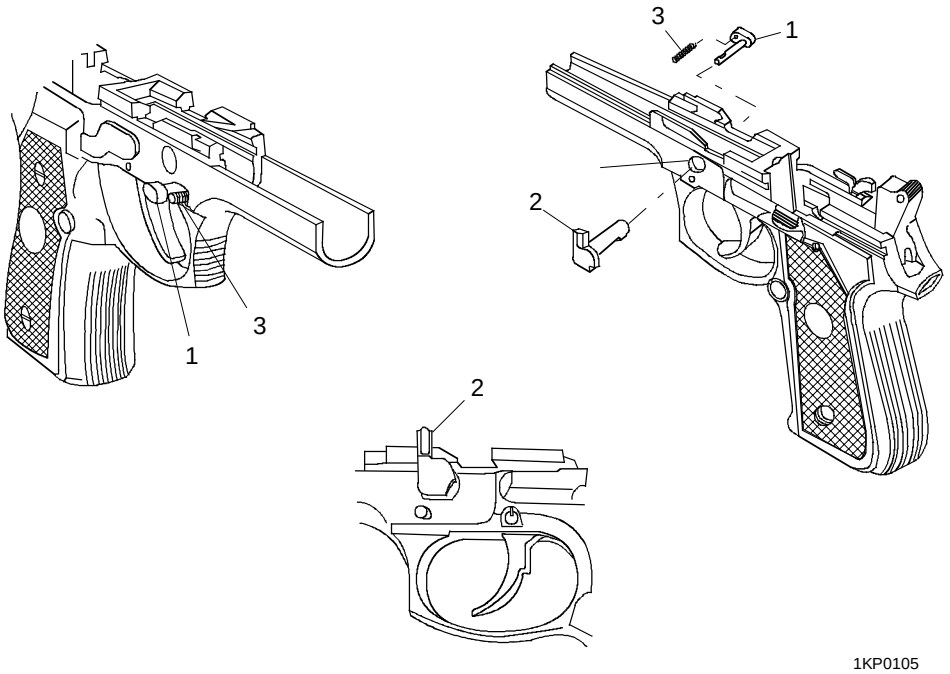
NOTE

If hammer pin has been replaced with a new part, do not install left pistol grip until final inspection has been performed.

Install the right (6) and left (7) pistol grips, lock washers (5), and grip screws (4). Tighten only until snug.



Install the disassembly button spring (3) into the spring recess hole. Insert the disassembly button (1) aligning the disassembly button spring (3) into the disassembly button spring recess. With the forefinger, firmly push in on the disassembly button. At the same time, insert the disassembly lever (2) with the wing pointing upward, into the disassembly lever hole of the receiver. While maintaining firm pressure on the disassembly button (1), rotate the disassembly lever (2) rearward and down until seated.



**DIRECT SUPPORT MAINTENANCE OF
RECEIVER ASSEMBLY, NSNA, P/N 9346480 AND
RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)**

REASSEMBLY (cont)

NOTE

When necessary maintenance task has been completed, reassemble pistol in accordance with WP 0031 00. If hammer pin has been replaced with a new part, perform final inspection following reassembly.

END OF WORK PACKAGE

DIRECT SUPPORT MAINTENANCE
FINAL INSPECTION

This work package covers: a. General Inspection b. Safety/Function Check c. Trigger Pull Test
d. Live Firing Function Test

INITIAL SETUP

Tools and Special Tools:
Shop Set, Small Arms: Field Maintenance, Basic, Less Power, P/N SC 4933-95CLA11
Tool Kit, Small Arms Repairman, P/N SC 5180-95-B71

Equipment Condition:
Pistol assembled.

NOTE

Final inspection should be done after all maintenance actions. This inspection ensures that pistols are serviceable when returned to user or stock.

GENERAL INSPECTION

Check the overall condition of the pistol and make sure black finish surfaces do not reflect light.

Check the tightness of all attaching screws.

Check for adequate lubrication.

Check for missing parts.

Make an overall inspection of the pistol for cleanliness and general appearance.

For pre-embarkation inspection criteria and specific standards reference WP 0018 00.

SAFETY/FUNCTION CHECK

WARNING

EXPLOSION

Before performing the following safety/function check, clear the pistol and magazine in accordance with the unloading procedures in the operator's manual.

Depress the slide stop. Insert an empty magazine into the pistol, and ensure that the magazine catch assembly locks the magazine in place.

Retract the slide and release it. The magazine follower should push up on the slide stop, locking the slide to the rear.

DIRECT SUPPORT MAINTENANCE
FINAL INSPECTION (cont)

SAFETY/FUNCTION CHECK (cont)

Rotate the decocking/safety lever to the fire (up) position. With a 1/16 inch punch, push up on the bottom side of the firing pin block. At the same time, push in on the firing pin striker with an 1/8 inch punch. Ensure the firing pin protrudes through the breech face of the slide.

Depress the magazine release button allowing the magazine to fall free.

Rotate the decocking/safety lever to the safe (down) position. Depress the slide stop allowing the slide to return fully forward. At the same time, the hammer should return to the full forward position.

Squeeze and release trigger. Firing pin block should move up and down. Hammer should not move. The trigger should return to the full forward position under spring tension.

Place decocking/safety lever in fire (up) position.

Squeeze trigger to check double action. Hammer should cock and fall.

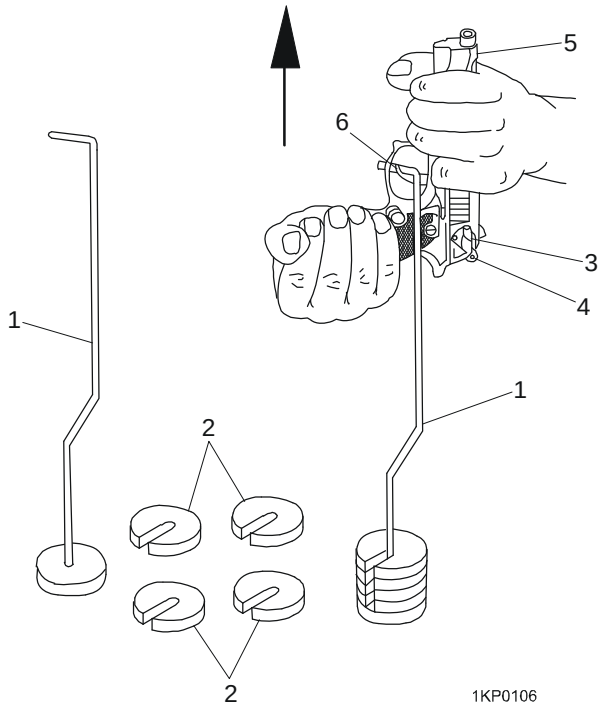
Squeeze trigger again and hold to rear. Manually retract and release slide while holding trigger to the rear. Release trigger, click should be heard, and hammer should not fall.

Squeeze trigger to heck single action. Hammer should fall.

If the above safety/function checks perform as indicated, pistol is mission ready. Place the decocking/safety lever to the safe (down) position. If the checks do not perform as indicated, refer to direct support for troubleshooting procedures (WP 0012 00).

TRIGGER PULL TEST

Place test fixture (1) on bench and add test weights (2) until minimum load of 4.1 lbs is reached.



Single Action: Place the decocking/safety lever (3) in the fire (up) position and manually cock hammer (4).

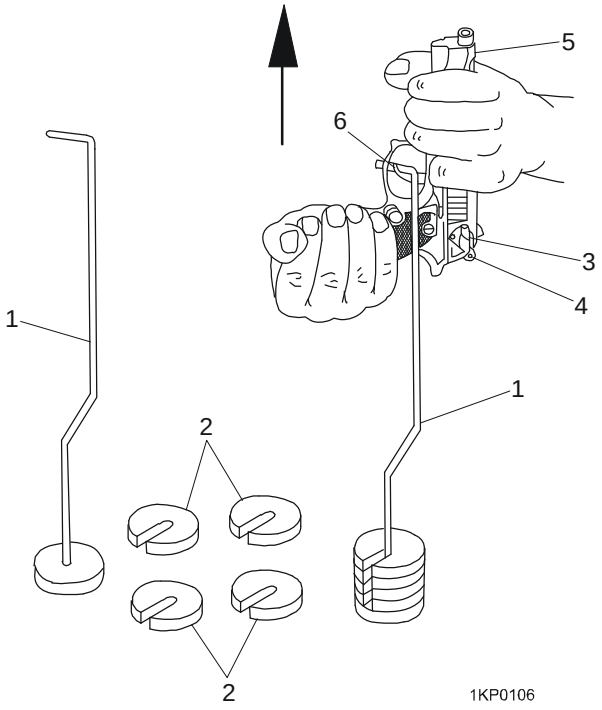
Hold the pistol (5) in a vertical position. Place the end of the test fixture (1) over the trigger (6). Slowly raise the pistol in a line parallel to the barrel until the fixture and weights are suspended.

The hammer (4) must not fall. If the hammer falls, the trigger pull is too light and the sear and/or hammer must be replaced. Replace the sear and/or hammer in accordance with procedures provided in WP 0016 00. If replacement of hammer and/or sear fails to correct light trigger pull, inspect mainspring for correct free length. Replace if necessary.

Add weights until maximum load of 6.5 lbs is reached. Repeat the above procedures. The hammer (4) must fall. If the hammer does not fall, replace the sear and/or hammer.

NOTE

Ensure that the decocking/safety lever is in the fire (up) position.



Double Action: The hammer (4) must be forward to begin test. Do not cock the hammer. Add test weights (2) until minimum of 9.6 lbs is reached.

Hold the pistol (5) in a vertical position. Place end of the test fixture (1) over the trigger (6). Slowly raise the pistol in a line parallel to the barrel until the fixture and weights are suspended.

The hammer (4) must not fall. If the hammer falls, the trigger pull is too light and the trigger bar and/or hammer must be replaced. Replace the trigger bar and/or hammer in accordance with the maintenance procedures provided in WP 0009 00. If replacement of hammer and/or trigger bar fails to correct light trigger pull, inspect mainspring for correct free length. Replace if necessary (WP 10016).

DIRECT SUPPORT MAINTENANCE
FINAL INSPECTION (cont)

TRIGGER PULL TEST (cont)

Add weights until a maximum load of 16.5 lbs is reached. In order to reach the maximum weight of 16.5 lbs, both trigger pull test fixtures, which are included in the shop set, must be used. A new trigger pull test fixture rod must be fabricated to accommodate all weights totaling 16.5 lbs. Fabrication drawing is shown in WP 0032 00.

Hold the pistol in a vertical position. Place end of the test fixture over the trigger. Slowly raise the pistol in a line parallel to the barrel until the fixture and weights are suspended.

The hammer must cock and fall. If the hammer does not meet these requirements replace the trigger bar and/or hammer and retest.

NOTE

If a part has been replaced to correct single or double action trigger pull, repeat the complete trigger pull test.

LIVE FIRING FUNCTION TEST

WARNING

EXPLOSION

Before performing the live firing function test, be sure to clear the pistol. Do not squeeze the trigger until the pistol has been cleared. Inspect the chamber to be sure that it is empty. Check to see that there are no obstructions in the barrel.

If possible, upon completion of maintenance procedures, the M9 Pistol should be function-fired to assure proper operation.

Fire three rounds in single action.

Fire three rounds in double action.

Use dummy ammunition (M917) to check chambering, extraction, and ejection.

WARNING

EXPLOSION

Be sure pistol is clear and there are no obstructions in the barrel or chamber.

Upon completion of live firing function test, clean and lubricate the pistol (TM 9-1005-317-10).

END OF WORK PACKAGE

PREEMBARKATION INSPECTION OF MATERIEL IN UNITS ALERTED FOR OVERSEAS MOVEMENT

INSPECTION CRITERIA

EXPLOSION

WARNING

Before starting an inspection, be sure to clear weapon. Make sure the magazine is removed, the pistol is clear of ammunition and the barrel and chamber have no obstructions.

Before inspection, the material must be thoroughly cleaned of all grease, dirt, or other foreign matter that might interfere with its proper function or the use of gages and tools during inspection.

The pistol must be free of burrs, rust, and corrosion.

Parts must not be loose, cracked, bent, distorted, or damaged and must be free of excessive wear.

Minor defects in metal components do not normally affect their acceptability. For example, tool marks are ordinarily of no importance.

Inspect finish of metal surface. Satisfactory metal surface for weapons range from black to light gray. Weapons will be rejected if exterior parts have a reflective surface. Sights must have a dull gray or black finish on surfaces to prevent glare.

INSPECTION AREAS

Springs must be free of distortion, flat spots or broken coils. Springs must have sufficient tension to perform their intended function.

Barrel must be clean and free of rust and corrosion.

Barrel must not be bulged.

Pits in the bore are allowable if they do not exceed the width of a land and 3/8 inch in length.

If chipping or flaking are present in the chamber and/or bore area, it is cause for rejection of the barrel.

Tool marks are acceptable. They may appear as lines running longitudinally in the grooves or may run spirally across the tops of lands.

Lands that appear dark will not be cause for rejection because of coating of guilding metal from projectiles.

The sear and cocking notches must be in good condition. Chipped engaging corners will be cause for rejection. Slight wear on functional surfaces, including engaging corners, shall be acceptable, providing the minimum trigger pull requirements are met.

PREEMBARKATION INSPECTION OF MATERIEL IN UNITS ALERTED FOR OVERSEAS MOVEMENT

INSPECTION AREAS (cont)

Chips, flat spots, pits or bent strike points on firing pins will be cause for rejection of firing pins.

The cartridge case engaging on the extractor must nor be chipped or deformed

The decocking/safety lever must position positively in both the safe (down) and fire (up) position. When in the safe position, the pistol must not fire when the trigger is squeezed; when in the fire (up) position, the pistol must fire when the trigger is pulled.

Each pistol must be hand functioned to check for unusual binding, positive cocking action, and general operation. Dummy ammunition (M917) should be used to be sure of positive chambering, extraction, and ejection action.

All markings and serial numbers must be legible.

SPECIFIC STANDARDS

Table 1. STANDARDS FOR PREEMBARKATION INSPECTION OF M9, 9MM, PISTOL IN UNITS ALERTED FOR OVERSEAS MOVEMENT

ITEM	STANDARD
General	Clear weapon of any ammunition and inspect in accordance with procedures outlined above.
Trigger	
Double Actions	Between 9.6 lbs and 16.5 lbs
Single Action	Between 4.1 lbs and 6.5 lbs
Recoil Spring	Free length of spring will not be less than 5 inches. A “flat” spot on either end of the half coil is not required. If flat spots are present other than on the ends of the spring, it is cause for rejection of the spring.
Mainspring	Free length of spring will not be less than 2 inches. A “flat” spot on either end of the half coil is not required. If flat spots are present other than on the ends of the spring, it is cause for rejection of the spring.

END OF WORK PACKAGE

CHAPTER 4

SUPPORTING INFORMATION

REFERENCES

SCOPE

This work package lists all forms, field manuals, technical manuals, tables, regulations, standards, and miscellaneous publications references in this manual.

REGULATIONS AND PAMPHLETS

AFI 36-2226	Combat Arms Program
AFI 31-10	Air Force Installation Security Program
AR 190-11	Physical Security of Weapons, Ammunition for Training, Target Practice and Combat
AFI 21-115	Product Quality Deficiency Report Program
DA Form 2028	Recommended Changes to Publications and Blank Forms
DA PAM 785-64	Ammunition and Explosive Standards
DA PAM 750-8	The Army Maintenance Management System (TAMMS) Ammunition and Explosives
OPNAVINST 5530.13	Physical Security Instruction for Sensitive Conventional AA&E
SF 364	Report of Discrepancy (ROD)
SF 368	Product Quality Deficiency Report

TECHNICAL MANUALS

OP 4	Ammunition and Explosives Afloat
OP 5	Ammunition and Explosives Ashore
TM 9-1005-317-10	Operator’s Manual Pistol, Semiautomatic, 9MM, M9
TM 43-0001-27	Army Ammunition Data Sheets Small Caliber Ammunition FSC (1305)
TM 750-244-7	Procedures for Destruction of Equipment to Prevent Enemy Use
TM 4700-15/1	Equipment Record Procedures

RELATED PUBLICATIONS

DOD 4160.21-M-1	Defense Demilitarization Manual
DOD 5100.76-M	Physical Security of Sensitive Conventional Arms, Ammunition and Explosives

FIELD MANUALS

FM 3-11.4	Multi-service Tactics, Techniques, and Procedure for NBC Defense Operations
FM 3-11.5	Nuclear, Biological and Chemical (NBC) Decontamination
FM 3-11.19	Nuclear, Biological and Chemical (NBC) Reconnaissance and Decontamination Operations (How to Fight)
FM 3-23.35	Pistols and Revolvers
FM 4-25.11	First Aid
AFMAN 44-163(I)	First Aid Manual

REFERENCES (cont)

AIR FORCE PUBLICATIONS AND FORMS

TO 00-5-1	Air Force Technical Order System
TO 00-35D-54	USAF Deficiency Reporting and Investigating System
TO 11W-1-10	Recording of Inspection, Maintenance and Firing Data

U.S. COAST GUARD

COMDTINST 8370-11	US Coast Guard Ordnance Manual

USMC PUBLICATIONS AND FORMS

NAVMC Form 10772	Recommended Changes to Technical Publications
SL-1-2	Marine Corps Index of Publications
TM 4700.15/1	Equipment Record Procedures
MCO 4855.10	Quality Assurance Report

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

END OF WORK PACKAGE

MAINTENANCE ALLOCATION CHART (MAC) FOR M9 AND M9A1 PISTOLS

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) FOR M9 AND M9A1 PISTOLS (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) FOR M9 AND M9A1 PISTOLS (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.

Table 1. Maintenance Allocation Chart for M9 and M9A1 Pistols

(1) GROUP NUMBER	(2) COMPONENT/ASSEMBLY	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL				(5) TOOLS AND EQUIP	(6) REMARKS
			UNIT		DIRECT SUPPORT	DEPOT		
			C	O	F	D		
00	Pistol 9mm, M9 (P/N 9346412) and Pistol 9mm, M9A1 (P/N 13010650)	Inspect Service Replace Repair Overhaul	0.2 0.1 0.1	0.2 0.1 0.1 0.1	0.2 0.1 0.5	 2.0	1, 2	See app E
01	Slide & Barrel Assembly (P/N 9346419)	Inspect Service Replace Repair Overhaul	0.1 0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.1	 .5	2	
0101	Barrel Assembly (P/N 9343422)	Inspect Test Service Replace Repair Overhaul	0.1 0.1	0.1 0.1 0.1 0.1	0.1 0.1 0.1 0.1	 0.1	2	
0102	Slide Assembly (P/N 9346485)	Inspect Service Repair Overhaul	0.1 0.1	0.1 0.1	0.1 0.2	0.1 0.3	1, 2	
010201	Slide Assembly w/Rear Sight (P/N 9346487)	Inspect Repair		0.1	0.1 0.1			
02	Receiver Assembly (P/N 9346480) and Receiver Assembly (P/N 13010649)	Inspect Test Service Repair Overhaul	0.1 0.1	0.1 0.1 0.1	0.1 0.1 0.2	 0.5	1, 2	
0201	Receiver w/Bushing (P/N 9346481) and Receiver w/Bushing (P/N 13010648)	Inspect Repair Overhaul		0.1	0.1 0.3	 0.4	1, 2	See fabricated items.

MAINTENANCE ALLOCATION CHART (MAC) FOR M9 AND M9A1 PISTOLS (cont)

Table 2. Tool and Test Equipment Requirements for M9 and M9A1 Pistols

(1) TOOL OR TEST EQUIPMENT REF CODE	(2) MAINTENANCE LEVEL	(3) NOMENCLATURE	(4) NATIONAL STOCK NUMBER	(5) TOOL NUMBER
1	O O/F	Tool Kit, Small Arms Repairman (Marine Corps only: Kit with addition of SL-3-00607A)	5180-01-462-4254	SC 5180-95-B71
2	F	Tools Kit, Intermediate Maintenance (Marine Corps only)	5180-01-147-2468	SL-3-08724A
3	O	Tools Kit, Organizational (Marine Corps only)	5180-01-147-2467	SL-3-00607A
4	F	Shop Set, Small Arms: Field Maintenance, Basic Less Power	4933-00-754-0664	SC 4933-95-CL-A11

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS FOR M9 PISTOL

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 M9 and M9A1 Pistols. 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 M9 PISTOL (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 M9 PISTOL (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 M9 PISTOL (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.

STOCK 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
J96	Pistol, Semiautomatic, 9mm, M9
BP9	Pistol, Semiautomatic, 9mm, M9A1 (USMC Only)

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

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR PISTOL, SEMIAUTOMATIC, 9MM, M9, NSN 1005-01-118-2640, P/N 9346412; AND PISTOL, SEMIAUTOMATIC, 9MM, M9A1, NSN 1005-01-525-7966, P/N 13010650

NOTE

Specific Beretta commercial parts have been certified as alternate design/material. Some of these may be synthetic as opposed to more common metal parts.

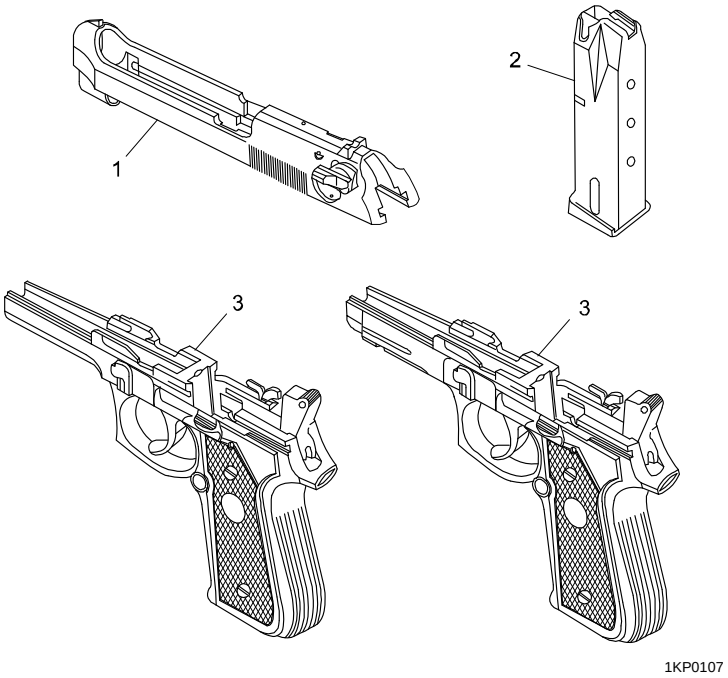


Figure 1. Pistol, Semiautomatic, 9mm, M9, P/N 9346412; and Pistol, Semiautomatic, 9mm, M9A1, P/N 13010650

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					GROUP 00 PISTOL, SEMIAUTOMATIC, 9MM, M9 FIGURE 1. PISTOL, SEMIAUTOMATIC, 9MM, M9, P/N 9346412; PISTOL, SEMIAUTOMATIC, 9MM, M9A1, P/N 13010650	
1	AFFFF		19200	9346419	SLIDE & BARREL ASSY FOR BRKDWN SEE FIG.2	1
2	PAOZZ	1005-01-204-4376	19200	9346413	MAGAZINE, CARTRIDGE	1
3	XAFDA		19200	9346480	RECEIVER ASSY UOC: J96	1
3	XAFDA		19200	13010649	RECEIVER ASSY W/FORWARD RAIL (USMC ONLY) UOC: BP6	1

END OF FIGURE

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR SLIDE & BARREL ASSEMBLY, NSNA, P/N 9346419

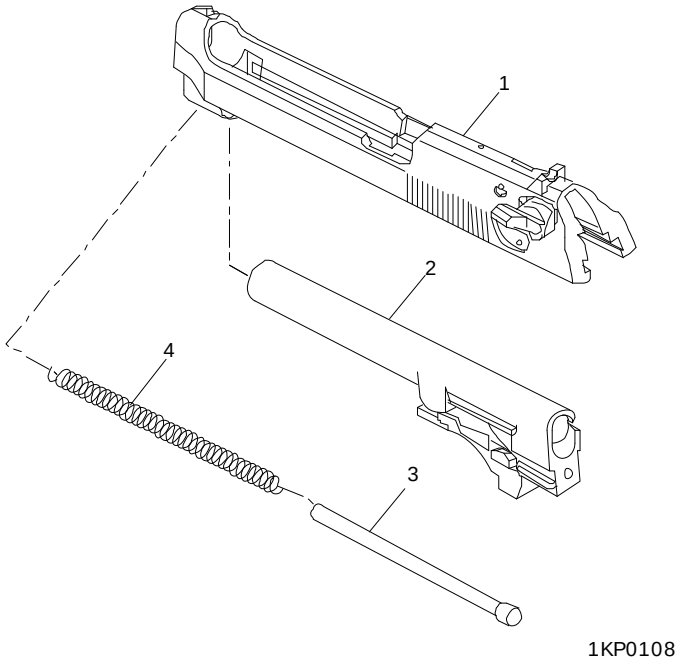


Figure 2. Slide & Barrel Assembly, P/N 9346419

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					GROUP 01 SLIDE & BARREL ASSY	
					FIGURE 2. SLIDE & BARREL ASSY, P/N 9346419	
1	AFFFF		19200	9346485	SLIDE ASSY SEE FIG 4 FOR BRKDWN	1
2	PAOFF	1005-01-204-4337	19200	9346422	BARREL ASSY SEE FIG. 3 FOR BRKDWN	1
3	PAOZZ	1005-01-204-4336	19200	9346421	GUIDE, RECOIL SPRING	1
4	PAOZZ	5360-01-206-0934	19200	9346420	SPRING, HELICAL, COMP, RECOIL	1

END OF FIGURE

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR BARREL ASSEMBLY, NSN 1005-01-204-4337, P/N 9346422

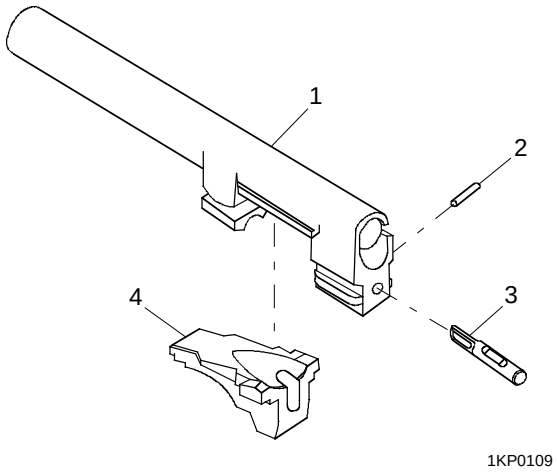


Figure 3. Barrel Assembly, P/N 9346422

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					GROUP 0101 BARREL ASSEMBLY FIGURE 3 BARREL ASSEMBLY, P/N 9346422	
1	XAFZZ		19200	9346426	BARREL, PISTOL.....	1
2	PAFZZ	5315-01-245-4183	81349	D63477/8-5P	PIN, SPRING, LOCKING BLOCK PLUNGER	1
3	PAFZZ	5340-01-534-2835	19200	13012977	PLUNGER, LOCKING BLOCK	1
4	PAFZZ	1005-01-204-4340	19200	9346425	BLOCK, LOCKING	1
					END OF FIGURE	

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR SLIDE ASSEMBLY, NSNA, P/N 9346485 (cont)

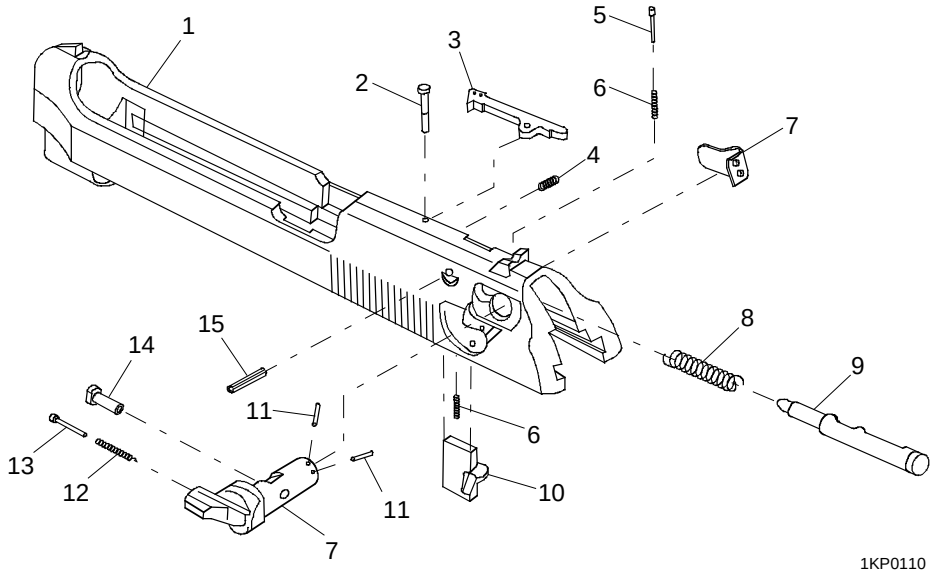


Figure 4. Slide Assembly, P/N 9346485

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					GROUP 0102 SLIDE ASSEMBLY	
					FIGURE 4. SLIDE ASSEMBLY, P/N 9346485	
1	PAFFF	1005-01-287-2603	19200	9346487	SLIDE, W/REAR SIGHT	1
2	PAFZZ	5315-01-206-0931	19200	9346437	PIN, STRAIGHT, HEADED EXTRACTOR	1
3	PAFZZ	1005-01-204-4347	19200	9346438	EXTRACTOR	1
4	PAFZZ	5360-01-206-0936	19200	9346439	SPRING, HELICAL, COMP EXTRACTOR	1
5	PAFZZ	5340-01-204-4343	19200	9346432	DETENT, TRIGGER BAR.....	1
6	PAFZZ	5360-01-206-8592	19200	9346428	SPRING, HELICAL, COMP BLOCK & DETENT	2
7	PAFZZ	1005-01-226-7362	19200	9346486	SAFETY W/LEVER.....	1
8	PAFZZ	5360-01-206-0937	19200	9346441	SPRING, HELICAL COMP FIRING PIN.....	1
9	PAFZZ	1005-01-204-4372	19200	9346440	PIN, FIRING	1
10	PAFZZ	1005-01-204-4341	19200	9346429	BLOCK, FIRING PIN	1
11	PAFZZ	5315-01-251-5415	81348	D63477/5-124P	PIN, SPRING SAFETY LEVER	2
12	PAFZZ	5360-01-206-0935	19200	9346434	SPRING, HELICAL, COMP SAFETY DETENT	1
13	PAFZZ	1005-01-204-4344	19200	9346433	DETENT, SAFETY	1
14	PAFZZ	1005-01-204-4345	19200	9346435	STRIKER, FIRING PIN.....	1
15	PAFZZ	5315-01-249-4351	81348	D63477/8-37P	PIN, SPRING FIRING PIN BLOCK.....	1
					END OF FIGURE	

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR SLIDE WITH REAR SIGHT, NSN 1005-01-206-0930, P/N 9346487

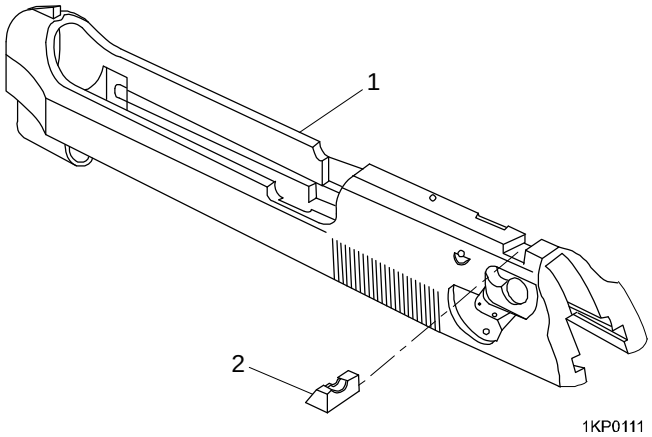


Figure 5. Slide Assembly with Rear Sight, P/N 9346487

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					GROUP 010201 SLIDE ASSEMBLY W/REAR SIGHT FIGURE 5. SLIDE ASSEMBLY W/REAR SIGHT, P/N 9346487	
1	XAFZZ		19200	9346488	SLIDE	1
2	PAFZZ	1005-01-204-4378	19200	9346443	SIGHT, REAR.....	1

END OF FIGURE

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR RECEIVER ASSEMBLY, NSNA, P/N 9346480; AND RECEIVER ASSEMBLY, NSNA, P/N 13010649

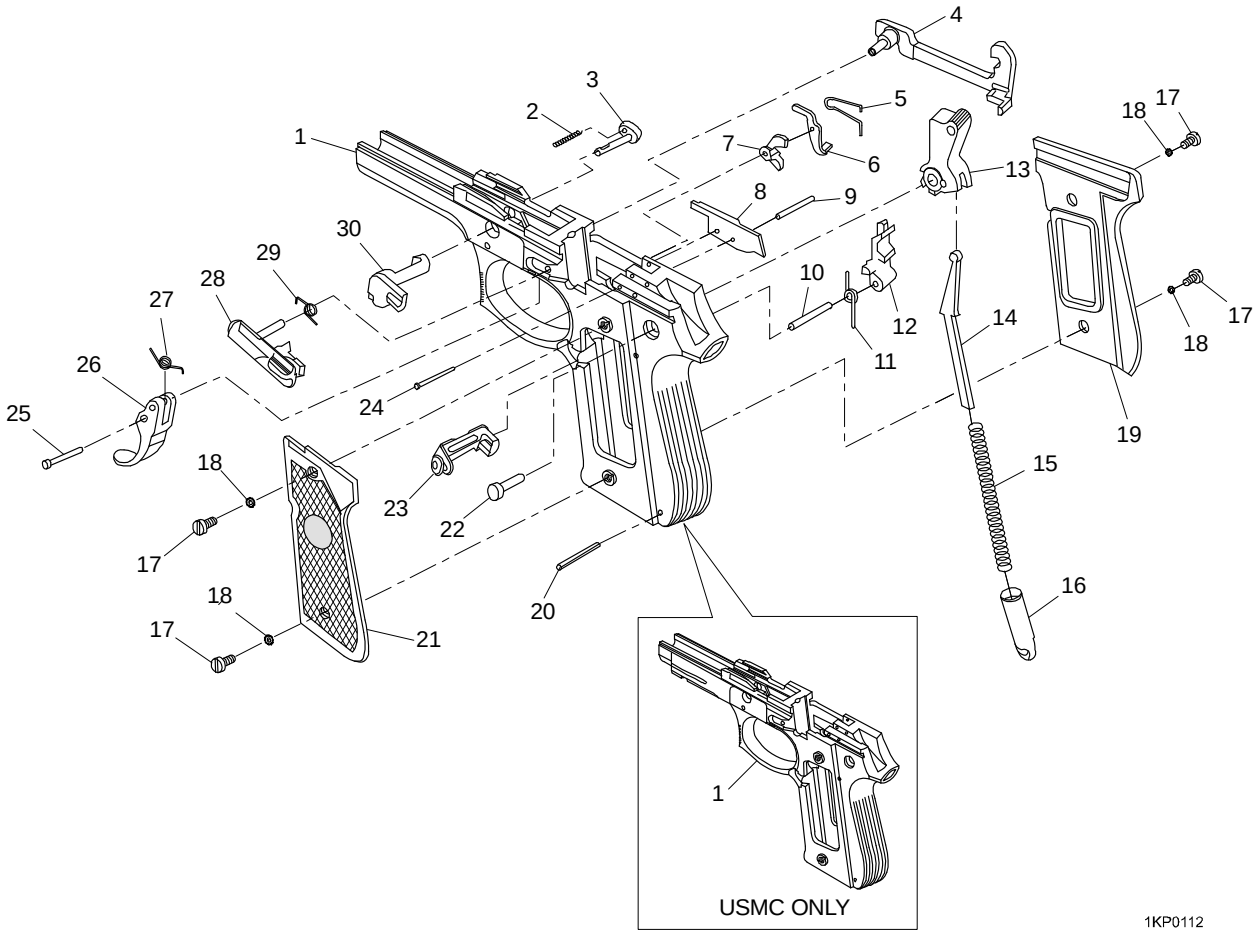


Figure 6. Receiver Assembly, P/N 9346480, and Receiver Assembly, P/N 13010649

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					GROUP 02 RECEIVER ASSEMBLY	
					FIGURE 6 RECEIVER ASSEMBLY, P/N 9346480; AND RECEIVER ASSEMBLY, P/N 13010649	
1	XADDA			9346481	RECEIVER W/BUSHINGS UOC: J96	1
1	XADDA			13010648	RECEIVER W/BUSHINGS UOC: BP6	1
2	PAFZZ	5360-01-206-0938	19200	9346447	SPRING, HELICAL, COMP DISASSEMBLY	1
3	PAFZZ	1005-01-204-4349	19200	9346446	BUTTON, DISASSEMBLY	1
4	PAFZZ	1005-01-204-4351	19200	9346453	BAR, TRIGGER	1
5	PAFZZ	5360-01-204-4350	19200	9346452	SPRING, TRIGGER BAR	1
6	PAFZZ	1005-01-204-4360	19200	9346470	LEVER, FIRING PIN BLOCK	1
7	PAFZZ	5340-01-204-4361	19200	9346471	LEVER, HAMMER RELEASE	1
8	PAFZZ	1005-01-204-4362	19200	9346472	EJECTOR, CARTRIDGE	1
9	PAFZZ	5315-01-248-7516	81348	D63477/5-170P	PIN, SPRING EJECTOR	1
10	PAFZZ	5315-01-204-4357	19200	9346465	PIN, STRAIGHT, HEADLESS SEAR	1
11	PAFZZ	5360-01-204-4370	19200	9346466	SPRING, HELICAL, TORSION SEAR	1
12	PAFZZ	1005-01-204-4375	19200	9346467	SEAR	1
13	PAFZZ	1005-01-204-4355	19200	9346463	HAMMER	1
14	PAFZZ	1005-01-204-4356	19200	9346464	STRUT, HAMMER	1
15	PAFZZ	5360-01-204-4367	19200	9346461	SPRING, HELICAL, COMP MAIN SPRING	1
16	PAFZZ	1005-01-204-4354	19200	9346460	LOOP, LANYARD	1
17	PAOZZ	5305-01-204-4371	19200	9346448	SCREW, MACHINE	4
18	PAOZZ	5310-01-206-0939	19200	9346449	WASHER, LOCK	4
19	PAOZZ	1005-01-204-4374	19200	9346451	GRIP, PISTOL (RIGHT)	1
20	PAFZZ	5315-01-236-0340	19200	12556375	PIN, SHOULDER, HEADLESS, LANYARD LOOP	1
21	PAOZZ	1005-01-287-2606	19200	9346489	GRIP, PISTOL (LEFT)	1
22	PAFZZ	5315-01-287-2604	19200	9346490	PIN, STRAIGHT, HEADED (HAMMER)	1

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR RECEIVER ASSEMBLY, NSNA, P/N 9346480; AND RECEIVER ASSEMBLY, NSNA, P/N 13010649 (cont)

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					GROUP 02 RECEIVER ASSEMBLY FIGURE 6 RECEIVER ASSEMBLY, P/N 9346480; AND RECEIVER ASSEMBLY, P/N 13010649 (cont)	
23	PAOZZ	1005-01-319-5336	19200	9346492	CATCH ASSEMBLY, MAGAZINE	1
24	PAFZZ	5315-01-204-4359	19200	9346469	PIN, STRAIGHT, HEADED, HAMMER RELEASE LEVER	1
25	PAFZZ	5315-01-204-4365	19200	9346456	PIN, STRAIGHT, HEADED TRIGGER ...	1
26	PAFZZ	1005-01-204-4377	19200	9346458	TRIGGER	1
27	PAFZZ	5360-01-204-4369	19200	9346457	SPRING, HELICAL, TORSION TRIGGER	1
28	PAFZZ	1005-01-204-4352	19200	9346454	STOP, SLIDE	1
29	PAFZZ	5360-01-204-4368	19200	9346455	SPRING, HELICAL, TORSION SLIDE STOP.....	1
30	PAFZZ	1005-01-204-4348	19200	9346445	LEVER, DISASSEMBLY.....	1

END OF FIGURE

END OF WORK PACKAGE

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS LIST FOR RECEIVER WITH BUSHINGS, NSNA, P/N 9346481; AND RECEIVER WITH BUSHINGS, NSNA, P/N 13010648

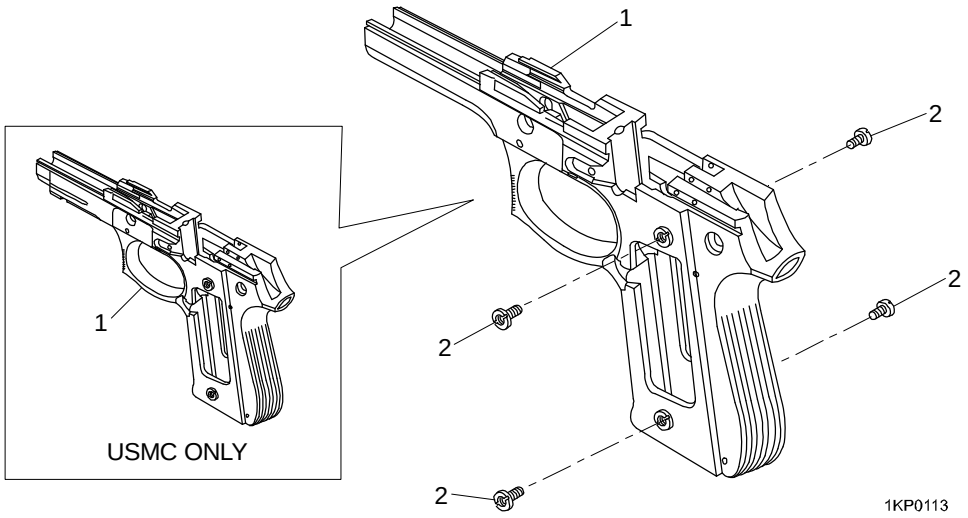


Figure 7. Receiver with Bushings, P/N 9346481; and Receiver with Bushings, P/N 13010648

(1) ITEM NO	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE	(7) QTY
					GROUP 0201 RECEIVER WITH BUSHINGS FIGURE 7. RECEIVER WITH BUSHINGS, P/N 9346481; RECEIVER WITH BUSHINGS, P/N 13010648	
1	XAFDA		19200	9346479	RECEIVER W/BUSHINGS UOC: J96	1
1	XAFDA		19200	13010647	RECEIVER W/BUSHINGS UOC: BP6	1
2	PAFZZ	5325-01-204-4363	19200	9346473	BUSHING, GRIP SCREW	4

END OF FIGURE

END OF WORK PACKAGE

CROSS REFERENCE LIST – PART NUMBER

PART NUMBER	NATIONAL STOCK NUMBER	FIGURE	ITEM
D63477/5-124P	5315-01-251-5415	4	11
D63477/5-170P	5315-01-248-7516	6	9
D63477/8-37P	5315-01-249-4351	4	15
D63477/8-5P	5315-01-245-4183	3	2
9346413	1005-01-204-4376	1	2
9346419		1	1
9346420	5360-01-206-0934	2	4
9346421	1005-01-204-4336	2	3
9346422	1005-01-204-4337	2	2
9346425	1005-01-204-4340	3	4
9346426		3	1
9346428	5360-01-206-8592	4	6
9346429	1005-01-204-4341	4	10
9346432	5340-01-204-4343	4	5
9346433	1005-01-204-4344	4	13
9346434	5360-01-206-0935	4	12
9346435	1005-01-204-4345	4	14
9346437	5315-01-206-0931	4	2
9346438	1005-01-204-4347	4	3
9346439	5360-01-206-0936	4	4
9346440	1005-01-204-4372	4	9
9346441	5360-01-206-0937	4	8
9346443	1005-01-204-4378	5	2
9346445	1005-01-204-4348	6	30
9346446	1005-01-204-4349	6	3
9346447	5360-01-206-0938	6	2
9346448	5305-01-204-4371	6	17
9346449	5310-01-206-0939	6	18
9346451	1005-01-204-4374	6	19
9346452	5360-01-204-4350	6	5
9346453	1005-01-204-4351	6	4
9346454	1005-01-204-4352	6	28
9346455	5360-01-204-4368	6	29
9346456	5315-01-204-4365	6	25

CROSS REFERENCE LIST – PART NUMBER (cont)

PART NUMBER	NATIONAL STOCK NUMBER	FIGURE	ITEM
9346457	5360-01-204-4369	6	27
9346458	1005-01-204-4377	6	26
9346460	1005-01-204-4354	6	16
9346461	5360-01-204-4367	6	15
9346462	5315-01-287-2604	6	22
9346463	1005-01-204-4355	6	13
9346464	1005-01-204-4356	6	14
9346466	5360-01-204-4370	6	11
9346467	1005-01-204-4375	6	12
9346469	5315-01-204-4359	6	24
9346470	1005-01-204-4360	6	6
9346471	5340-01-204-4361	6	7
9346472	1005-01-204-4362	6	8
9346473	5325-01-204-4363	7	2
9346479		7	1
9346480		1	3
9346481		6	1
9346485		2	1
9346486	1005-01-226-7362	4	7
9346487	1005-01-287-2603	4	1
9346488		5	1
9346490	5315-01-204-4357	6	10
9346489	1005-01-287-2606	6	21
9346492	1005-01-319-5336	6	23
12556375	5315-01-236-0340	6	20
13010647		7	1
13010648		6	1
13010649		1	3
13012977	5340-01-534-2835	3	3

END OF WORK PACKAGE

CROSS REFERENCE LIST – NATIONAL STOCK NUMBER

NATIONAL STOCK NUMBER	PART NUMBER	FIGURE	ITEM
1005-01-204-4336	9346421	2	3
1005-01-204-4337	9346422	2	2
1005-01-204-4340	9346425	3	4
1005-01-204-4341	9346429	4	10
5340-01-204-4343	9346432	4	5
1005-01-204-4344	9346433	4	13
1005-01-204-4345	9346435	4	14
1005-01-204-4347	9346438	4	3
1005-01-204-4348	9346445	6	30
1005-01-204-4349	9346446	6	3
5360-01-204-4350	9346452	6	5
1005-01-204-4351	9346453	6	4
1005-01-204-4352	9346454	6	28
1005-01-204-4354	9346460	6	16
1005-01-204-4355	9346463	6	13
1005-01-204-4356	9346464	6	14
5315-01-204-4357	9346465	6	10
5315-01-204-4359	9346469	6	24
1005-01-204-4360	9346470	6	6
5340-01-204-4361	9346471	6	7
1005-01-204-4362	9346472	6	8
5325-01-204-4363	9346473	7	2
5315-01-204-4365	9346456	6	25
5360-01-204-4367	9346461	6	15
5360-01-204-4368	9346455	6	29
5360-01-204-4369	9346457	6	27
5360-01-204-4370	9346466	6	11
5305-01-204-4371	9346448	6	17
1005-01-204-4372	9346440	4	9
1005-01-204-4374	9346451	6	19
1005-01-204-4375	9346467	6	12
1005-01-204-4376	9346413	1	2
1005-01-204-4377	9346458	6	26
1005-01-204-4378	9346443	5	2

CROSS REFERENCE LIST – NATIONAL STOCK NUMBER (cont)

NATIONAL STOCK NUMBER	PART NUMBER	FIGURE	ITEM
5315-01-206-0931	9346437	4	2
5360-01-206-0934	9346420	2	4
5360-01-206-0935	9346434	4	12
5360-01-206-0936	9346439	4	4
5360-01-206-0937	9346441	4	8
5360-01-206-0938	9346447	6	2
5310-01-206-0939	9346449	6	18
5360-01-206-8592	9346428	4	6
1005-01-226-7362	9346486	4	7
5315-01-236-0340	12556375	6	20
5315-01-245-4183	D63477/8-5P	3	2
5315-01-248-7516	D63477/5-170P	6	9
5315-01-249-4351	D63477/8-37P	4	15
5315-01-251-5415	D63477/5-124P	4	11
1005-01-287-2603	9346487	4	1
5315-01-287-2604	9346462	6	22
1005-01-287-2606	9346489	6	21
1005-01-319-5336	9346490	6	23
5340-01-534-2835	13012977	3	3

END OR WORK PACKAGE

EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST

INTRODUCTION

Scope

This work package lists expendable and durable items that you will need to operate and maintain your pistol. 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 abrasive cloth (item 7, WP 0031 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 that you can use to requisition it.

Column (4) – Description. This column identifies the Item Name, Description, Commercial and Government Entity Code (CAGEC), Part Number (P/N) and 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.

Table 1. Expendable/Durable Items List

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) U/M
1	O	8020-00-244-0153	BRUSH, ARTIST'S: Metal ferrule, flat, chisel edge, 7/16 inch w, 1 1/8 inch l, exposed bristle (81348) H-B-241	EA
2	C	1005-00-494-6602	BRUSH, CLEANING, SMALL ARMS: Toothbrush (19204) 8448462	EA
3	C	1005-00-716-2132	BRUSH, CLEANING, SMALL (Bore Brush) (19205) 7162132	PG
4	O	 9150-01-054-6453 9150-01-053-6688	CLEANER, LUBRICANT AND PRESERVATIVE: GRADE 2 (CLP) (81349) MIL-PRF-63460 1 pint bottle 1 gal bottle	 PT GL

EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST (cont)

Table 1. Expendable/Durable Items List (cont)

(1) ITEM NUMBER	(2) LEVEL	(3) NATIONAL STOCK NUMBER	(4) DESCRIPTION	(5) U/M
5	C	9920-00-292-9946	CLEANER, TOBACCO PIPE: Cotton tuft, wire core (89855) DILLS PIPE CLEANER	EA
6	O	 6850-00-224-6657 6850-00-224-6663	CLEANING COMPOUND, SOLVENT: RIFLE BORE CLEANER (RBC) (81349) MIL-PRF-372 8 oz can 1 gal can	 OZ GL
7	O	5350-00-221-0872	CLOTH, ABRASIVE, CROCUS (58536) A-A-1206	SH
8	O	8415-00-823-7460	GLOVES, RUBBER, INDUSTRIAL (81349) MIL-DTL-32066	PR
9	O	 9150-01-260-2534	LUBRICANT, SOLID FILM (81349) MIL-L-23398 16 oz aerosol can	 CN
10	O	 9150-00-231-6689	LUBRICATING, OIL, GENERAL PURPOSE (81340) MIL-PRF-32033 1 qt can	 QT
11	C	 9150-00-292-9689	LUBRICATING OIL, WEAPONS (LAW) (81349) MIL-PRF-14107 1 qt can	 QT
12	O	 9150-00-753-4686	LUBRICATING OIL, WEAPONS SEMI-FLUID (LSA) (81349) MIL-L-46000 1 gal can	 GL
13	C	 7920-00-205-1711	RAG, WIPING (58536) A-A-531 50 lb bale	 LB
15	O	6850-01-474-2319	SOLVENT, CLEANING (81349) MIL-PRF-680, Type 2	GL
16	C	1005-00-288-3565	SWAB, SMALL ARMS CLEANING (19204) 5019316 1000 per package	PG

END OF WORK PACKAGE

ILLUSTRATED LIST OF MANUFACTURED ITEMS

INTRODUCTION

This work package includes complete instructions for making items authorized to be manufactured or fabricated at direct support maintenance.

A part number index is not applicable.

All bulk materials needed for manufacture of an item are listed by NSN or specification number in a list on the illustration.

INDEX

ILLUSTRATED LIST OF MANUFACTURED ITEMS (cont)

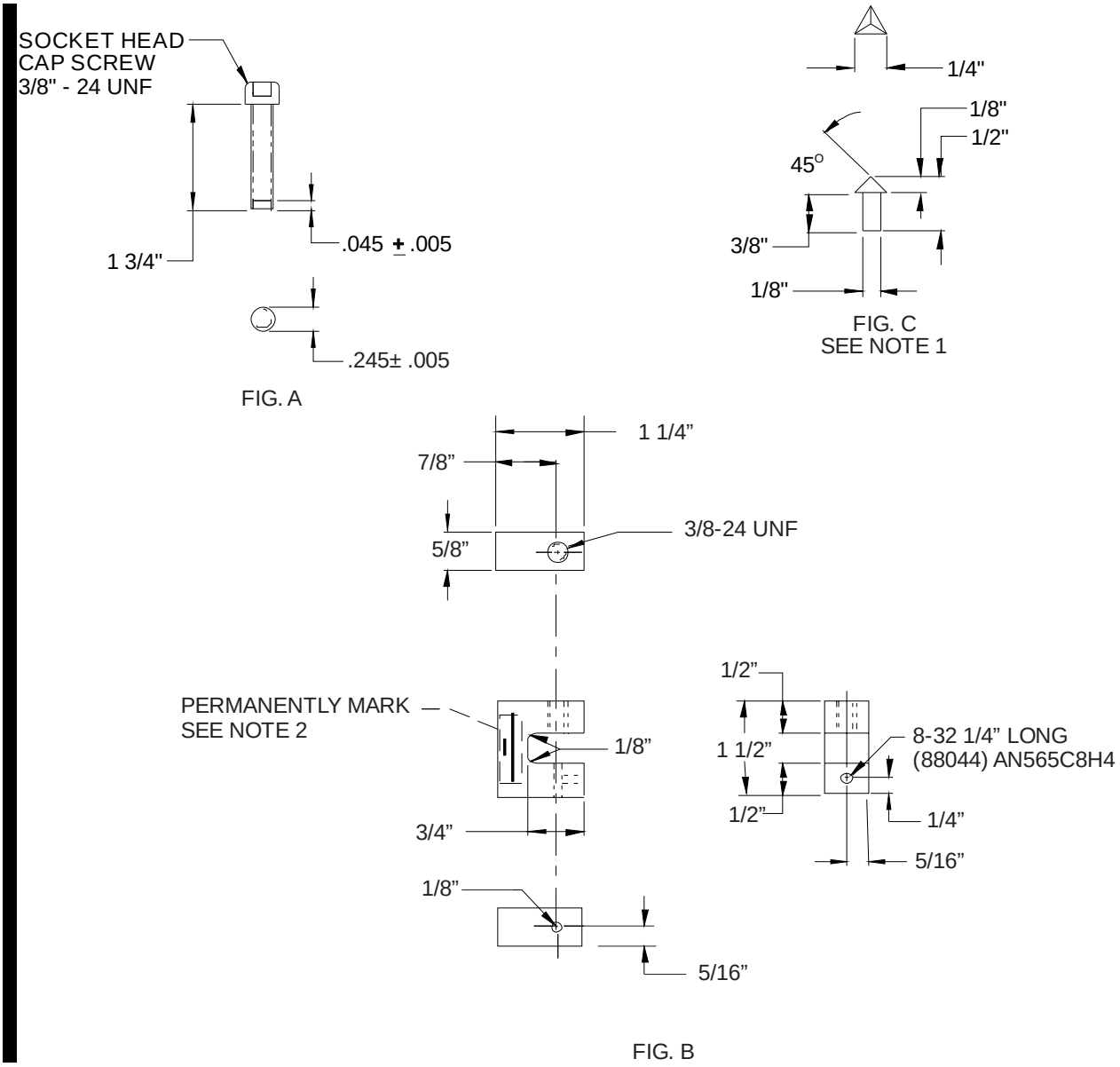


Figure 1. Staking Tool, M9 Grip Screw Bushing

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ON: FRACTIONS: ± 1/64
DECIMALS: ± .005
ANGLES: ± 1°

MATERIAL: STEEL, GRADE C, CLASS W2-09 OR GRADE C, CLASS 62-10.

NOTES:

1. HEAT TREAT STAKING POINT TO ROCKWELL C48-52.

2. PERMANENTLY MARK IN ACCORDANCE WITH MIL-STD-130. CHARACTERS SHALL BE 1/8" HIGH AND LOCATED APPROXIMATELY AS SHOWN.

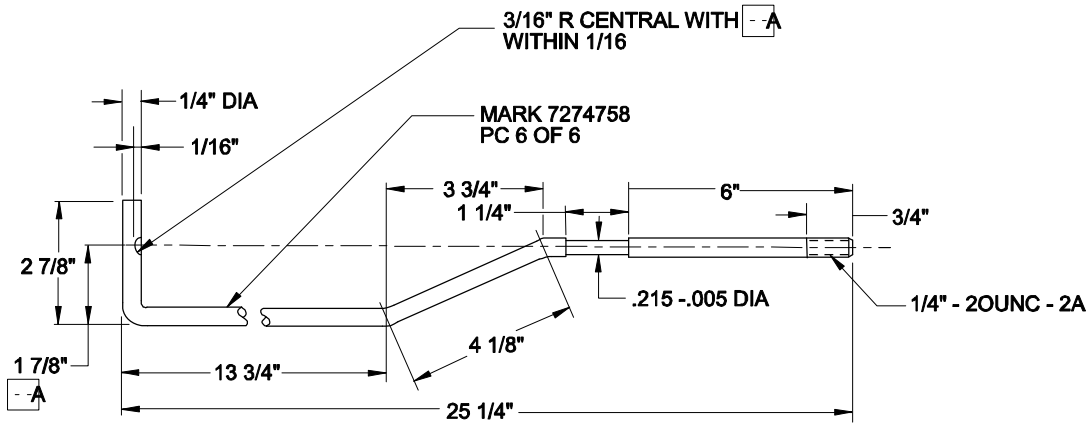


Figure 2. Rod, Trigger Pull Test Fixture

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

BREAK ALL CORNERS 1/32".

TOLERANCES ON: FRACTIONS: ± 1/64
DECIMALS: ± .01
ANGLES: ± 2°

MATERIAL: MILD STEEL TYPE GRADE 1018. USE NSN 9505-00-228-6209 (81348), ASTM A108.

WASHER, NSN 5310-00-639-7554 (81348), FF-W-92.

HEX. NUT, NSN 5310-00-761-6882 (96906), MS51967-2

NOTE:

HEAT TREATING NOT REQUIRED.

END OF WORK PACKAGE

ALPHABETICAL LISTING

ALPHABETICAL LISTING (cont)

T

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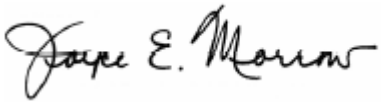
W

By Order of the Secretary of the Army:

PETER J. SCHOOMAKER
General, United States Army
Chief of Staff

Official:



JOYCE E. MORROW
Administrative Assistance to the
Secretary of the Army
0627203

By Order of the Secretary of the Air Force:

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General, United States Air Force
Chief of Staff

GREGORY S. MARTIN
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RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS For use of this form, see AR 25-30; the proponent agency is ODISC4.	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)* AMSTA-LC-LMPP / TECH PUBS, TACOM-RI 1 Rock Island Arsenal Rock Island, IL 61299-7630	FROM: *(Activity and location) (Include ZIP Code)*	

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

PUBLICATION/FORM NUMBER	DATE	TITLE
TM 9-1005-317-23&P	28 February 2007	PISTOL, SEMIAUTOMATIC, 9MM, M9/M9A1

ITEM NO.	PAGE NO.	PARA-GRAPH	LINE NO. *	FIGURE NO.	TABLE NO.	RECOMMENDED CHANGES AND REASON *(Provide exact wording of recommended changes, if possible).*

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

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

DA FORM 2028, FEB 74 REPLACES DA FORM 2028, 1 DEC 68, WHICH WILL BE USED. USAPPC V3.00

TO: (*Forward direct to addressee listed in publication*) AMSTA-LC-LMPP / TECH PUBS, TACOM-RI 1 Rock Island Arsenal Rock Island, IL 61299-7630	FROM: (*Activity and location) (Include ZIP Code)*	DATE

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

PUBLICATION NUMBER TM 9-1005-317-23&P	DATE 28 February 2007	TITLE PISTOL, SEMIAUTOMATIC, 9MM, M9/M9A1

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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