

CRM LESSON PLAN REPORT

PERFORM FIELD MAINTENANCE ON THE M17/M18 MODULAR HANDGUN SYSTEM MAINTENANCE AND FAMILIARIZATION
101-92Y10D12 / 1.0 ©

Approved
06 Feb 2020

Effective Date: 06 Feb 2020

SCOPE:

None

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SECTION I. ADMINISTRATIVE DATA

All Course Masters/POIs Including This Lesson

Courses				
<u>Course Number</u>	<u>Version</u>	<u>Title</u>	<u>Phase</u>	<u>Status</u>
None				

POIs				
<u>POI Number</u>	<u>Version</u>	<u>Title</u>	<u>Phase</u>	<u>Status</u>
551-92Y10	07.0 ©	Unit Supply Specialist	0	Returned to Commandant

Task(s) Taught(*) or Supported

<u>Task Number</u>	<u>Task Title</u>	<u>Status</u>
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Reinforced Task(s)

<u>Task Number</u>	<u>Task Title</u>	<u>Status</u>
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Knowledge

<u>Knowledge Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
031-K-627-003	Knowledge of hand tools and their use	No	Yes
101-K-1013	Knowledge of the purpose and use of Unit of Issue (UI) codes	No	Yes
101-K-1020	Knowledge of the purpose and use of the Recoverability Code (RC)	No	Yes
101-K-1048	Knowledge of how to obtain and use data from FEDLOG	No	Yes
101-K-M014	Know how to perform PMCS on equipment used.	Yes	Yes
551-K-0007	How to read and interpret technical manuals	Yes	Yes
551-K-0010	How to identify faults or deficiencies during a maintenance inspection	Yes	Yes
551-K-0011	How to match job requirements to tools needed	Yes	Yes
551-K-0049	How to enforce safety rules and techniques	Yes	Yes
101-K-1012	Knowledge of the purposes and use of the Manufacturer's Part Number (MPN)	Yes	Yes
101-K-1014	Knowledge of the purpose of the End Item Code (EIC)	Yes	Yes
101-K-1028	Knowledge of how to find information in DA Pam 738-750 to perform TAMMS functions	Yes	Yes

Skill

<u>Skill Id</u>	<u>Title</u>	<u>Taught</u>	<u>Required</u>
S0851	Ability to enforce safety rules and techniques	Yes	Yes
S-091-E-0003	Use Electronic Technical Manuals (ETM)	Yes	Yes
551-S-0055	Ability to match job requirements to tools needed	Yes	Yes
S4478	Ability to Determine Safety Measures from a Material Data Safety Sheet (MSDS)	Yes	Yes
101-S-0101	Ability to read and comprehend technical material	Yes	Yes
101-S-1007	Ability to verify National Stock Numbers for equipment listed in technical manuals and FED LOG	Yes	Yes
551-S-0051	Ability to read and interpret technical manuals	Yes	Yes
551-S-0054	Ability to identify faults or deficiencies during a maintenance inspection	Yes	Yes
S-091-E-0001	Operate Windows Based Computer System	Yes	Yes
101-S-M014	Ability to perform PMCS on equipment used.	Yes	Yes
S-091-E-0002	Use Technical Manuals and Maintenance Forms	Yes	Yes
S-091-E-0004	Use Interactive Technical Manuals (IETM)	Yes	Yes

**Administrative/
Academic
Hours**

The administrative/academic (50 min) hours required to teach this lesson are as follows:

<u>Academic</u>	<u>Resident Hours / Methods</u>		
Yes	7 hrs	0 mins	Demonstration
Yes	0 hrs	10 mins	Discussion (Small or Large Group)
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Total Hours(50 min):	7 hrs	10 mins	

**Instructor
Action
Hours**

The instructor action (60 min) hours required to teach this lesson are as follows:

	<u>Hours/Actions</u>		
	0 hrs	15 mins	Classroom Setup
	0 hrs	10 mins	Logistics Support – Weapon
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Total Hours (60 min):	0 hrs	25 mins	

Test Lesson(s)

<u>Hours</u>	<u>Lesson Number Version</u>	<u>Lesson Title</u>
None		

**Prerequisite
Lesson(s)**

<u>Hours</u>	<u>Lesson Number Version</u>	<u>Lesson Title</u>
None		

**Training
Material
Classification**

Security Level: This course/lesson will present information that has a Security Classification of: U - Unclassified.

**Foreign
Disclosure
Restrictions**

FD3. This training product has been reviewed by the developers in coordination with the CASCOM, QMS TDD, Fort Lee, VA foreign disclosure officer. This training product cannot be used to instruct international military students.

References

<u>Number</u>	<u>Title</u>	<u>Date</u>
TM 9-1005-470-10	OPERATOR MANUAL FOR MODULAR HANDGUN SYSTEM (MHS) PISTOL, 9MM, SEMIAUTOMATIC M17 (NSN 1005-01-661-7317) (EIC 2VN) PISTOL, 9MM, SEMIAUTOMATIC M18 (NSN 1005-01-661-7323) (EIC 2VP) PISTOL, 9MM, SEMIAUTOMATIC GO (NSN 1005-01-661-7309) (EIC 2VO)	31 Mar 2019
TM 9-1005-470-23&P	MAINTAINER MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR MODULAR HANDGUN SYSTEM (MHS) PISTOL, 9MM, SEMIAUTOMATIC M17 (EIC 2VN) PISTOL, 9MM, SEMIAUTOMATIC M18 (EIC 2VP) PISTOL, 9MM, SEMIAUTOMATIC GO	30 Jun 2019

**Student Study
Assignment**

None

**Instructor
Requirements**

Instructor must be MOS qualified and instructor certified in accordance with TRADOC Regulation 350-18.

**Support
Personnel
Requirements**

None

**Additional
Support
Personnel
Requirements**

<u>Name</u>	<u>Student Ratio</u>	<u>Qty</u>	<u>Man Hours</u>
None			

**Equipment
Required
for Instruction**

<u>ID - Name</u>	<u>Student Ratio</u>	<u>Instructor Ratio</u>	<u>Spt</u>	<u>Qty</u>	<u>Exp</u>
1005-01-661-7317 - Handgun System, Modular: XM17 Remarks:	1:1	1:1	No	0	No
1005-01-661-7323 - Handgun System, Modular, Compact: XM18 Remarks:	1:1	1:1	No	0	No
1005-01-665-0463 - Pusher, Sight Tool Remarks:	1:1	1:1	No	0	No
1005-01-665-4335 - Armorer, Bench Block Remarks:	1:1	1:1	No	0	No
5120-00-230-6380 - Wrench, Torque, Rigid Frame End Drive, 3/8 Inch Drive, 0-150 Foot-Pounds Remarks:	1:1	1:1	No	0	No
5180-01-462-4254 - Tool Kit, Small Arms Remarks:	1:2	1:1	No	0	No

(Note: Asterisk before ID indicates a TADSS.)

**Materials
Required***Instructor Materials:*

Lesson Plan

Listed References

Student Materials:

All Listed References

**Classroom,
Training Area,
and Range
Requirements**

<u>ID - Name</u>	<u>Quantity</u>	<u>Student Ratio</u>	<u>Setup Mins</u>	<u>Cleanup Mins</u>
ECP-2-480-480 ECP Standard Lecture Classroom, 480 Square Foot, 480 Persons Remarks: 480 SF		1:16	20	20

**Ammunition
Requirements**

<u>DODIC - Name</u>	<u>Exp</u>	<u>Student Ratio</u>	<u>Instruct Ratio</u>	<u>Spt Qty</u>
AC24 - Cartridge, 9MM XM1156 Dummy Drilled Inert Remarks: Practice clearing procedures.	Y	3:1	3:1	3

**Instructional Guidance/
Conduct of Lesson**

NOTE: Before presenting this lesson, instructors must thoroughly prepare by studying this lesson and identified reference material.

- (a) Be familiar with operational environment (OE) terminology and concepts and with PMESII-PT (political, military, social, information, infrastructure, physical environment, and time) variables as they apply to OE; reference TRADOC Pam 525-8-2, The U.S. Army Learning Concept for 2015 and TRADOC Pam 525-8-3, The U.S. Army Training Concept 2012-2020.
- (b) Integrate appropriate OE concepts and complexities and current and relevant lessons learned into this training and lesson plan. Reference the AKO site, the Center for Army Lessons Learned (CALL) at <http://call.army.mil> and other current media sources such as newspaper, magazine, radio, and television for current OE information.
- (c) Inform students that current Army publications, training, and lesson plans may not fully reflect today's Army OE since the Army's OE is constantly changing and evolving.
- (d) Encourage students that have current insight and combat experience to share their knowledge.

**Proponent Lesson
Plan Approvals**

<u>Name</u>	<u>Rank</u>	<u>Position</u>	<u>Date</u>
hugo.feliciano	Not available	Approver	06 Feb 2020

SECTION II. INTRODUCTION

Method of Instruction: Discussion (Small or Large Group)
 Mode of Delivery: Resident Instruction
 Instr Type (I:S Ratio): Military - ICH (1:15) ((Primary and Assistant Instructor(s): Qualified Military or Civilian Instructor/Subject Matter Expert (SME); Complete Familiarity with TRADOC Regulation 350-6. Instructors must meet certification requirements in accordance with TRADOC Regulation 350-70; Army Regulation 614-20; CASCOM SOP; QMS Policy #17 Instructor Development Training Plan (IDTP), Course 101-92Y10 CMP, Trained on GCSS-Army Educational Environment, Certified Armour.)
 Time of Instruction: 5 mins

Motivator

As a Unit Armour, it is your duty to be able to disassemble, inspect, the M17/M18 Pistol in accordance with the appropriate technical manuals. The lives of the crew and operators of this equipment depend heavily on the knowledge and skill of the Unit Armour. It is your responsibility to ensure that the equipment you maintain is fully mission capable.

Terminal Learning Objective

NOTE. Inform the students of the following Terminal Learning Objective requirements.
 At the completion of this lesson, you [the student] will:

Action:	Maintain the M17/M18 Modular Handgun System
Conditions:	In a classroom, given an M17/M18 Modular Handgun System, applicable tools/kits, safety equipment, cleaning and lubricating materials, applicable maintenance forms and technical publications, and supervision/assistance.
Standards:	State characterists, clear, disassemble, assemble, and perform a slide function and safety/function tests of the M17/M18 Modular Handgun System with no errors.
Learning Domain - Level:	Cognitive - Applying
No JPME Learning Areas Supported:	Supports GLO #14, Soldiers and Civilians are technically and tactically competent.

Safety Requirements

- a. Leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete a DD Form 2977 Deliberate Risk Assessment Worksheet during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC)
- b. Instructors will use the facility SOP to provide a safety brief as part of the introduction. Students will react to any emergency situation IAW the facility SOP.
- c. Instructor should inform the students to remove jewelry, rings, necklaces, dog tags, and bracelets to avoid injuries if working around electricity or moving components

d. In the event of a fire, students will exit the classroom in an orderly manner (last one out closes the door); meet at the location the primary instructor has designated; class leader will hold an accountability formation and report his findings to primary instructor.

e. In the event of severe weather or tornado, students will exit the classroom in an orderly manner; move to the location the primary instructor has designated (basement or center of building); class leader will hold an accountability formation and report his findings to primary instructor.

Risk Assessment Level

Low - Slip/trip/fall hazards.

Assessment: Injury that can be caused by equipment and wires routed throughout the classroom.

Controls: Inspect classroom and remove any trip hazards, spills, and restrict access to areas not being used.

Leader Actions: Cadre will inspect classroom prior to each event. Remove / restrict hazards.

Inspect classroom area for hazards. Brief students on all hazards.

Low - Natural Disasters:

Earthquake, Tornadoes, and severe weather.

Assessment: Stay aware of local weather conditions.

Controls: Explain local safety SOPs rules governing action to be taken during natural disaster events. Show where designated meeting points in case of evacuations.

Leader Actions: Announce how medical support

will be obtained. Ensure available communication for EMT/Ambulance

(on call). Safety guidance is followed IAW with: Fort Lee / CASCOM Safety Regulations and organizational safety SOP. Brief students on evacuation plan of the building for accountability.

Medium - Misfire/Malfunction during operations inside indoor range.

Assessment: Ensure soldiers are properly briefed to avoid serious injuries within the range.

Controls: Provide students with proper Personal Protective Equipment (PPE) and instructions on operations of equipment. Ensure students understand proper procedures in the event that a misfire or malfunction occurs.

Leader Actions: Cadre will check each student wearing proper PPE and demonstrate correct operating procedures.

Medium - Hazardous Radioactive Material (Tritium) contained in front and rear sights.

Assessment: Ensure soldiers are aware of disposal procedures.

Controls: Notify the Radiation Safety Officer (RSO) and wash hands with nonabrasive soap and lukewarm water immediately after handling of weapon if sights are damaged or not illuminating.

Leader Actions: Cadre will brief student on proper handling of hazardous radioactive material and notify RSO as needed.

Environmental Considerations

NOTE: Instructor should conduct a risk assessment to include environmental considerations IAW the current environmental considerations publication, and ensure students are briefed on hazards and control measures.

Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will

contribute to the sustainment of our training resources while protecting people and the environment from harmful effects.

NOTE: It is the responsibility of all Soldiers and DA civilians to protect the environment from damage. All operations must conform to the Army Environmental Program, FM 20-400/MCRP 4-21C, Military Environmental Protection, TC 20-401, Soldier and the Environment, local, state, and federal environmental Policies, The Clean Air Act (CAA), CAA amendments, National Ambient Air-Quality Standards (NAAQS), as well as OSHA Hazard Communication Standard for Industry, 29 CFR, part 1910.

Instructional Lead-in

As a Unit Armour you will be called on a regular basis to repair pistols, among the many other small arms. The M17/M18 is a relatively easy weapon to disassemble and repair, but it is also easy to assemble improperly.

We are now ready to begin our instruction on the M17/M18 Pistol.

Note: Discuss the 8 variables of PMESII-PT and which one(s) applies to this lesson.

Political:

The political structure is an overview of formal and informal organizations. Other factors -- such as treaties, international law, the capability adversary propaganda to influence US public support and world opinion - are also addressed.

Military:

The military factor looks at essential aspects of the security environment such as armed forces, security forces, insurgent groups, paramilitary organizations, and criminal groups.

Economic:

Economic factors look at the formal economy, including production, distribution, consumption, labor force, and trade.

Social:

The social structure is an overly of identity and affinity groups.

Information:

Information addresses the ability to influence groups or populations through direct or indirect action.

Infrastructure:

The infrastructure system is more than just a collection of physical assets. The importance of the individual or collective assets is drawn from the situation and their relationship to the PMESII-PT components.

Physical Environment:

JP 3-0 defines the physical environment by the dimensions of land, sea, air and space. Humans live, breathe, and walk in the physical environment, and they see, hear, and touch objects that are real.

Time:

Time is a significant consideration in military operations. The analysis of time is an operational variable focuses on the benefits and liabilities of duration of operations to each side.

SECTION III. PRESENTATION

TLO - LSA 1. Learning Step / Activity TLO - LSA 1. Modular Handgun System Pistol Series M17/M18 Equipment Description and Theory of Operation

Method of Instruction: Demonstration

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - ICH (1:10)

Time of Instruction: 1 hr

Media Type: Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Slide 3 M17/M18 Equipment Description

a. Characteristics, Capabilities, and Features

Refer students to TM 9-1005-470-10, page 0002-1.

(1) The Modular Handgun System (MHS) is a mechanically locked, short-recoil operated weapon featuring an automatic striker pin safety lock, ambidextrous manual safety, and external slide catch lever. Feeding is automatic with each shot fired, until the magazine is empty. The slide is held open after the last shot has been fired.

b. Major Components

Refer students to TM 9-1005-470-10, page 0002-1.

- (1) **Slide Assembly** – Slide houses striker assembly, extractor, and sights, and energizes striker during recoil cycle.
- (2) **Barrel** – Houses cartridges for firing and directs projectile.
- (3) **Receiver/Grip Module Assembly** – Supports all major components. Controls action of pistol through major components. Houses magazine catch assembly.
- (4) **Magazine** – Holds cartridges in place for feeding.
- (5) **Recoil Spring Guide Assembly** – Absorbs recoil and returns slide and barrel assembly to forward position.

c. Differences Between Models

Refer students to TM 9-1005-470-10, page 0002-1.

- (1) **M17** – This pistol configuration includes a 4.70 in (119.38 mm) barrel, full size slide assembly, and a full length recoil spring guide assembly. Serial numbers for this model begin with TF.
- (2) **M18** – This pistol configuration includes a 3.90 in (99.06 mm) barrel, compact slide assembly, and a compact recoil spring guide assembly. Serial numbers for this model begin with TC.

d. Equipment Data

Refer students to TM 9-1005-470-10, page 0002-2.

- (1) Caliber.....9mm x 19 (M17/M18)
- (2) Length.....8.05 in (M17) / 7.25 in (M18)
- (3) Weight W/O Magazine.....26.90 oz (M17) / 24.54 oz (M18)
- (4) Weight, Standard, Unloaded, 9mm, 17 round.....3.01oz
- (5) Weight, Standard, Unloaded, 9mm, 21 round.....3.74 oz
- (6) Barrel Length.....4.70 in (M17) / 3.90 in (M18)
- (7) Rifling.....1:10 in (M17/M18)

e. Theory of Operation

Refer students to TM 9-1005-470-23&P, pages 0003-1 through 0003-4.

Note: The following description of the cycle of operation begins with a fully loaded pistol.

(1) **Firing** - Pressing the trigger releases the striker pin. The striker pin hits the primer and detonates the live cartridge. The burning propellant turns from a solid into a gas, which expands causing an increase in pressure. The increase in pressure causes the cartridge case to expand, sealing the chamber and forcing the projectile out of the front of the barrel. As the bullet travels down the barrel, the slide and barrel remain locked in battery until the bullet leaves the muzzle.

(2) **Unlocking** - As the slide and barrel move rearward, the barrel unlocks from the slide and stops its rearward movement.

(3) **Extraction** - The extractor pulls the empty cartridge from the chamber of the stationary barrel as the slide continues its rearward travel.

(4) **Ejection** - As the slide continues its rearward movement and the extractor pulls on the right side of the cartridge rim, the left side of the cartridge rim hits the ejector causing the case to be pushed to the right out of the ejection port.

(5) **Feeding** - As the rearward energy dissipates, the slide is propelled forward by the energy in the compressed recoil spring. As the slide travels forward, the top cartridge in the magazine is pushed out from under the feed lips of the magazine, aligning it with the mouth of the chamber in the barrel.

(6) **Chambering** - As the cartridge is pushed forward, out from underneath the lips of the magazine, the magazine spring forces the cartridge rim to slide up the breech face under the extractor as the front of the cartridge continues into the chamber.

(7) **Locking** - As the slide forces the cartridge into the chamber, the barrel hood is forced up into the ejection port of the slide by the contact of the barrel lug with the slide catch pivot pin. This causes the rear of the barrel to cam up and lock into the ejection port.

(8) **Cocking** (Energizing of the Striker Assembly) - As the slide moves forward, the striker pin is engaged by the sear. As the slide continues forward travel, the striker spring is compressed. The striker is now ready to be released by pressing the trigger rearward.

Check on Learning:

Conduct a check on learning and summarize the learning activity.

Determine if students have learned the material presented by--

- a. Soliciting student questions and explanations.
- b. Correcting students' misunderstandings.
- c. Providing immediate feedback in context to the material presented and correcting student misunderstandings.

Review Summary:

Conduct an end-of-presentation summary of major teaching points.

TLO - LSA 2. Learning Step / Activity TLO - LSA 2. Clearing Procedures of M17/M18 MHS Pistol

Method of Instruction: Demonstration

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - ICH (1:10)

Time of Instruction: 1 hr

Media Type: Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

Slide 4 Clearing Procedures of M17/M18 MHS Pistol

a. Clearing the Pistol

Refer students to TM 9-1005-470-10, page 0005-5.

- (1) Point weapon in a safe direction.
- (2) Press up on manual safety lever to engage safety.
- (3) Press magazine catch to release magazine.
- (4) Push up on slide catch lever and lock slide to rear. Visually ensure last round has been ejected from pistol.
- (5) Conduct three-point safety check to ensure there is no cartridge, foreign debris, or any physical damage.
 - (a) Ensure chamber is empty.
 - (b) Inspect for no magazine.
 - (c) Inspect breech face.
- (6) Press slide catch lever to release slide forward.

Check on Learning:

- Conduct a check on learning and summarize the learning activity.
- Determine if students have learned the material presented by--
- a. Soliciting student questions and explanations.
 - b. Correcting students' misunderstandings.
 - c. Providing immediate feedback in context to the material presented and correcting student misunderstandings.

Review Summary:

Conduct an end-of-presentation summary of major teaching points.

TLO - LSA 3. Learning Step / Activity TLO - LSA 3. Disassembly of M17/M18 MHS Pistol

Method of Instruction: Demonstration

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - ICH (1:10)

Time of Instruction: 2 hrs

Media Type: Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

a. Field Stripping

Refer students to TM 9-1005-470-10, pg. 0013-1 through 0013-3.

- (1) Unload/clear weapon.
- (2) Push up on slide catch lever and pull slide to rear. Slide will lock in place.

Note: Ensure recoil spring guide assembly is parallel to barrel.

- (3) Rotate takedown lever clockwise.
- (4) Pull slide to rear of receiver to release slide catch lever.
- (5) Pull slide forward and remove from receiver rails maintaining grip around slide and recoil spring guide assembly.

Warning: Due to spring tension, uncontrolled release of recoil spring guide assembly could result in injury to personnel, damage to assembly, or loss of assembly.

- (6) Slightly compress recoil spring guide assembly while lifting and removing from slide. Allow recoil spring guide assembly to expand slowly.
- (7) Lift and remove barrel from slide.

b. Disassembly of Slide Assembly

Refer students to TM 9-1005-470-23&P, pg. 0010-1 through 0010-5.

- (1) Push in tamper resistant extractor tension pin and turn pin 180 degrees in either direction until head of

the pin pops out from the rear of the slide.

- (2) Grasp rear cap pulling it down out of slide while slightly depressing extractor tension pin.
- (3) Remove tamper resistant extractor tension pin, extractor spring, and extractor spring pin from slide.
- (4) Remove extractor from right side of slide.

Caution: Use care when removing striker assembly as small parts can become dislodged, damaged, or lost.

- (5) Remove striker assembly from slide.

Note: Set slide on a flat surface with the bottom of slide facing up to ease removal of screw.

- (6) Remove rear sight plate screw from slide. Discard rear sight plate screw.
- (7) Remove rear sight plate, loaded chamber indicator (LCI), and loaded chamber indicator spring from slide.

Warning: Sights contain tritium. Do not discard sight vials in trash. Wash hands immediately if sights are damaged.

Note: Do not remove sights unless replacement is required. Proceed with steps 8 through 12 for sight removal.

- (8) Place unserviceable or damaged sights in a small zip lock bag and label it "Tritium sight DO NOT OPEN." Contact your local Radiation Safety Officer (RSO) for proper disposal instructions.
- (9) Center the pusher in the sight pusher tool body by rotating the adjustment handle.
- (10) Push back of slide into sight pusher body, sliding it on the rails of the clamp until slide stops. Tighten rail clamp.

Note: Front sight can be removed from either side of slide.

- (11) Remove front sight from slide by turning adjustment handle and pushing sight from slide.
- (12) Center sight pusher and loosen rail clamp to remove slide from sight pusher tool.

c. Disassembly of Receiver/Grip Module

Refer students to TM 9-1005-470-23&P, pg. 0011-1 through 0011-9.

Warning: Parts are under spring pressure. Wear appropriate eye protection and use care during removal and installation. Failure to comply may result in injury to personnel.

- (1) Remove takedown lever from receiver/grip module.
- (2) Disengage manual safety by pressing down manual safety lever.

Note: Step 3 should only be performed if the O-ring requires replacement. The O-ring should be replaced when it becomes worn to the point that it does not provide a snug fit when installed in the grip module, it is cut or damaged, it provides too much resistance requiring excessive force to install the takedown lever, or has an adverse reaction to cleaning solvents, lubricants, or environmental conditions.

- (3) Remove O-Ring from takedown lever.
- (4) Remove receiver by pushing receiver forward then lifting upward from grip module.
- (5) Pull rear of trigger bar out of sear housing.
- (6) Remove hook end of trigger bar spring from receiver then remove trigger bar spring from trigger bar.
- (7) Remove trigger and trigger bar from receiver.
- (8) Ensure takedown safety lever is rearward and can be retained in that position by slide catch lever. The tab of the slide catch lever should be out of the rectangular hole in the takedown safety lever. This will expose the sear pin on left side of receiver.
- (9) Push sear pin from right to left until it is flush with right side of the receiver.
- (10) Rotate right side manual safety lever counterclockwise until it stops.

Note: Manual safety detent is under spring pressure. Applying pressure during removal will prevent loss of parts.

(11) Remove right side manual safety lever from shaft of left side manual safety lever by pulling it outward while applying slight pressure on manual safety detent.

(12) Remove manual safety detent and manual safety spring from right side manual safety lever.

(13) Push sear pin from left to right until it stops.

Note: Use punch to retain sear housing if sear housing is serviceable.

(14) Insert 1/8" punch from right side of receiver pushing out left side manual safety lever.

(15) Remove slide catch lever pin from receiver.

(16) Remove slide catch lever, slide catch lever spring, and slide catch lever post.

Note: The trigger stop pin only requires removal if the takedown safety lever needs to be replaced.

The takedown safety lever does not have to be removed to remove the sear housing assembly. If punch is being used to retain sear housing, do not remove punch when placing receiver in Armorer Bench Block.

(17) Set the receiver in the "REMOVE PINS" side of the Armorer Bench Block.

(18) Drive out the trigger stop pin with a 1/16" roll pin punch. Remove receiver from Armorer Bench Block.

(19) Remove takedown safety lever from receiver by pulling it back slightly then shifting front of lever toward right side of receiver. The rear arm of takedown safety lever will pull out of sear housing.

Note: Steps 20 through 23 should only be performed if replacement of the sear housing is required.

The coiled spring pin is a one-time use item and must be discarded after removal.

(20) Set receiver in the "REMOVE PINS" side of the Armorer Bench Block.

(21) Drive out coiled spring pin using a 3/32" roll pin punch. Discard coiled spring pin.

(22) Use 3/32" punch to push out sear pin.

(23) Remove sear housing from receiver.

Check on Learning:

Conduct a check on learning and summarize the learning activity.

Determine if students have learned the material presented by--

- a. Soliciting student questions and explanations.
- b. Correcting students' misunderstandings.
- c. Providing immediate feedback in context to the material presented and correcting student misunderstandings.

Review Summary:

Conduct an end-of-presentation summary of major teaching points.

TLO - LSA 4. Learning Step / Activity TLO - LSA 4. Reassembly of M17/M18 MHS Pistol

Method of Instruction: Demonstration

Mode of Delivery: Resident Instruction

Instr Type (I:S Ratio): Military - ICH (1:10)

Time of Instruction: 2 hrs

Media Type: Actual Equipment

Other Media: Unassigned

Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

a. Reassembly of Receiver/Grip Module

Refer students to TM 9-1005-470-23&P, pg. 0011-10 through 0011-21.

Note: Perform steps 1 through 3 if sear housing assembly was removed.

(1) Insert sear housing assembly into receiver.

Note: Assembly assist pin does not need to be retained.

- (2) Push sear pin in until flush with left side of receiver. Assembly assist pin will be pushed out.
- (3) Position receiver in "INSTALL PINS" side of Armorer Bench Block.
- (4) Install new coiled spring pin with 3/32" roll pin punch until it is centered in receiver leaving equal lengths of pin extending out from each side.
- (5) Position takedown safety lever inside receiver with rear of lever angled outward.

Caution: Use care to avoid damage to spring when compressing.

- (6) Use 1/16" to compress takedown safety lever spring toward the rear of the sear housing.
- (7) Insert the arm of the takedown safety lever into the sear housing.

Note: Only perform step 8 if takedown safety lever was removed.

- (8) Insert new trigger stop pin through left side of receiver.

Note: Check takedown safety lever for spring tension before completing installation of trigger stop pin.

- (9) Position receiver assembly with head of trigger stop pin resting on anvil post.

Caution: Avoid hitting receiver body while flaring trigger stop pin.

- (10) Flair trigger stop pin with center punch.
- (11) Position slide catch lever upside down.
- (12) Install slide catch lever post to slide catch lever.
- (13) Install slide catch lever spring on slide catch lever post.
- (14) Hold receiver assembly upside down and set it on top of slide catch lever.
- (15) Install slide catch lever pin from left side of receiver.
- (16) Lift slide catch lever to check for spring tension.

Note: The takedown safety lever must be pre-positioned correctly to install the manual safety components.

- (17) Lock takedown safety lever behind slide catch lever by pulling up on slide catch lever as you pull back takedown safety lever.

Note: Safety lever assembly assist pin will be pushed out upon installing left side manual safety lever and does not need to be retained.

- (18) Push left side manual safety lever into receiver until it pushes out assembly assist pin and stops.
- (19) Push sear pin from right to left until flush with the right side of receiver.
- (20) Rotate left side manual safety lever upward.
- (21) Install manual safety spring into right side manual safety lever.
- (22) Slide manual safety detent over spring and insert into manual safety lever.
- (23) Align tab of manual safety detent with opening in receiver and push right side manual safety lever onto left side manual safety lever shaft.
- (24) Rotate right side manual safety lever clockwise until detent clicks into place.
- (25) Push right side manual safety lever up slightly then push sear pin in receiver until it stops.
- (26) Attach trigger bar spring to trigger bar.
- (27) Attach hook end of trigger bar spring to receiver.
- (28) Rotate trigger bar clockwise. Ensure the back of the trigger bar is behind the sear housing.
- (29) Pull trigger bar forward and attach trigger.
- (30) Rotate trigger counterclockwise until inserted into receiver.
- (31) Lift rear of trigger bar and set into sear housing. Press trigger to seat trigger bar.
- (32) Press down manual safety lever to disengage.

(33) Insert rear tabs of receiver into grip module. Press trigger slightly rearward and push receiver assembly down into grip module.

Note: Step 34 should only be performed only if O-ring was removed. A light coat of CLP will aid in installation of O-Ring.

(34) Install new O-Ring on takedown lever.

(35) Install takedown lever into receiver/grip module and rotate clockwise until it stops.

b. Reassembly of Slide Assembly

Refer students to TM 9-1005-470-23&P, pg. 0010-6 through 0010-9.

Note: Use sight pusher tool to make windage adjustments to front sight. Moving front sight left will move point of impact right. Moving front sight right will move point of impact left. Perform steps 1 through 5 if sights were removed.

(1) Insert slide in sight pusher tool with sight dovetail forward of tool.

(2) Turn adjustment handle to move pusher to left side of tool.

Caution: The right edge of the sight base has a chamfer to ease installation of the sight to the slide.

Install front sights from the left side of the slide to prevent damage to sight base or dovetail.

(3) Start the front sight into the slide.

(4) Adjust sight pusher by turning handle to align index mark of sight pusher tool body with index mark of sight pusher to center the front sight.

(5) Center sight pusher and loosen rail clamp to remove slide from sight pusher tool.

(6) Insert loaded chamber indicator spring and loaded chamber indicator into slide.

(7) Install rear sight plate on slide with new screw. Tighten screw to 25 in-lb (2.8 Nm).

(8) Insert striker assembly in slide pushing it completely forward.

(9) Install extractor into slide.

(10) Attach extractor spring to extractor pin and insert in slide with notch facing striker.

(11) Install tamper resistant extractor spring pin into slide.

(12) Depress tamper resistant extractor spring pin and install rear cap onto slide.

(13) Depress and rotate tamper proof extractor tension pin 180° until it snaps into place.

c. General Assembly

Refer students to TM 9-1005-470-23&P, pg. 0009-4 through 0009-7/blank.

(1) Install barrel into slide.

Caution: During recoil spring guide assembly insertion, spring tension must be maintained until spring guide is fully seated on cutaway on barrel lug to prevent damage or loss of spring.

(2) Step 2 is for M17. Install rectangular end of recoil spring guide assembly into the slide. Slightly compress recoil spring and lower spring guide until fully seated on barrel lug.

(3) Step 3 is for M18. Install large end of the recoil spring guide assembly into slide. Slightly compress recoil spring and lower spring guide until fully seated on barrel lug.

Caution: The takedown safety lever will prevent insertion of magazine into receiver/grip module when the slide is removed. Attempting to force the magazine into receiver/grip module may result in damage to pistol.

(4) Ensure takedown lever is rotated fully clockwise.

(5) Align front receiver rails with rail slots at rear of the slide.

(6) Pull slide rearward until it stops. Push up on the slide catch lever to lock the slide to the rear.

(7) Rotate takedown lever counterclockwise until it stops.

(8) Press the slide catch lever to release the slide fully forward.

Check on Learning: Conduct a check on learning and summarize the learning activity.
Determine if students have learned the material presented by--
a. Soliciting student questions and explanations.
b. Correcting students' misunderstandings.
c. Providing immediate feedback in context to the material presented and correcting student misunderstandings.

Review Summary: Conduct an end-of-presentation summary of major teaching points.

TLO - LSA 5. Learning Step / Activity TLO - LSA 5. Inspection of M17/M18 MHS Pistol

Method of Instruction: Demonstration
Mode of Delivery: Resident Instruction
Instr Type (I:S Ratio): Military - ICH (1:10)
Time of Instruction: 1 hr
Media Type: Actual Equipment
Other Media: Unassigned
Security Classification: This course/lesson will present information that has a Security Classification of: U - Unclassified.

a. General Inspection

Refer students to TM 9-1005-470-23&P, page 0009-3.

- (1) Visually inspect all parts for damage.
- (2) Inspect external surfaces for proper finish. If exterior pistol components are missing one third or more of exterior protective finish, resulting in an unprotected/light reflecting surface, those components should be replaced. This missing finish will be considered a shortcoming and the pistol is considered serviceable until parts have been replaced.

b. Slide Function Test

Refer students to TM 9-1005-470-23&P, pg.0010-10 through 0010-11/blank.

- (1) Apply slight forward pressure to the striker pin (Figure 17, Item 1) toward the muzzle end of the slide. Striker pin should not protrude from breech face of slide (Figure 17, Item 2).
- (2) Press up on the safety lock (Figure 18, Item 3).
- (3) Press striker pin (Figure 18, Item 1) forward. Striker pin should move and striker pin should protrude from breech face of slide (Figure 18, Item 2).
- (4) While holding striker pin (Figure 18, Item 1) forward, release safety lock (Figure 18, Item 3). Safety lock should still be held down.
- (5) Release striker pin (Figure 18, Item 1). Safety lock (Figure 18, Item 3) should reset. You should hear a slight click.
- (6) Repeat step 1.
- (7) Check extractor tension by lifting up extractor and releasing. Extractor spring should produce resistance.

c. Safety/Function Test

Refer students to TM 9-1005-470-23&P, page 0011-22.

- (1) Rotate takedown lever (Figure 41, Item 6) clockwise to unlocked position and disengage manual safety (Figure 41, Item 4). The sear should already be depressed and trigger pull should not result in substantial sear motion. Slight trigger bar and safety lever movement is normal during this check.
- (2) Rotate takedown lever (Figure 41, Item 6) counterclockwise to locked position and lift slide catch lever (Figure 41, Item 2) to allow takedown safety lever (Figure 41, Item 1) to reset. Pressing trigger (Figure 41, Item 5) should result in safety lever (Figure 41, Item 3) moving upward and sear compressing sear springs

and then being released. Upon release of trigger (Figure 41, Item 5), safety lever (Figure 41, Item 3) should drop back down.

(3) Engage manual safety (Figure 41, Item 4). Attempt to press trigger (Figure 41, Item 5) to rear. Slight rearward movement will be felt, but the trigger (Figure 41, Item 5) should not move completely rearward. Slight upward movement of safety lever (Figure 41, Item 3) during this test is normal.

(4) If any of the above function checks cannot be completed as described, disassemble, inspect, reassemble, and recheck.

Check on Learning:

Conduct a check on learning and summarize the learning activity.

Determine if students have learned the material presented by--

- a. Soliciting student questions and explanations.
- b. Correcting students' misunderstandings.
- c. Providing immediate feedback in context to the material presented and correcting student misunderstandings.

Review Summary:

Conduct an end-of-presentation summary of major teaching points.

SECTION IV. SUMMARY

Method of Instruction:	Discussion (Small or Large Group)
Mode of Delivery:	Resident Instruction
Instr Type(I:S Ratio):	Military - ICH (1:15) ((Primary and Assistant Instructor(s): Qualified Military or Civilian Instructor/Subject Matter Expert (SME); Complete Familiarity with TRADOC Regulation 350-6. Instructors must meet certification requirements in accordance with TRADOC Regulation 350-70; Army Regulation 614-20; CASCOM SOP; QMS Policy #17 Instructor Development Training Plan (IDTP), Course 101-92Y10 CMP, Trained on GCSS-Army Educational Environment, Certified Armour.)
Time of Instruction:	5 mins

Check on Learning

Determine if students have learned the material presented by soliciting student questions and giving explanations.
Provide immediate feedback in context to the material presented and correcting student misunderstandings.

NOTE: The instructor and students will review the training objective. Ask the questions listed below to check on the student's knowledge of the material that was presented. The instructor may ask additional questions not listed. Ensure all students participate in the check on learning.

Q. What type of operation is the M17/M18 pistol? A. Recoil.

Q. Name one part on the M17/M18 that will cause failure to eject if defective? A. Broken receiver.

Q. Name one part on the M17/M18 that would cause failure to fire if defective? A. Striker assembly, trigger, or trigger bar.

Q. With the safety in safe position on the M9 Pistol, when the trigger is pulled, what happens to the firing pin block? A. It should move up and down with spring tension.

REF TM M17/M18

Review/ Summary

Conduct an end-of-presentation summary of major teaching points.
M17/M18 assembly, disassembly and functions check

SECTION V. STUDENT EVALUATION

Testing Requirements

NOTE: Refer student to the Individual Student Assessment Plan.

Feedback Requirements

a. Schedule and provide feedback on the context of the material presented and correct students' misunderstandings.

b. Provide remedial training as needed.

Note: Highlight the main points of the lesson. Reemphasize the importance of the task.

Appendix A - Viewgraph Masters

**Perform Field Maintenance on the M17/M18 Modular Handgun System Maintenance and Familiarization
101-92Y10D12 / Version 1.0 ©**

Sequence	Media Name	Media Type
None		

Appendix B - Assessment Statement and Assessment Plan

Assessment Statement: None.

Assessment Plan: None.

Appendix C - Practical Exercises and Solutions

PRACTICAL EXERCISE(S)/SOLUTION(S) FOR LESSON 101-92Y10D12 Version 1.0 ©

Appendix D - Student Handouts

**Perform Field Maintenance on the M17/M18 Modular Handgun System Maintenance and Familiarization
101-92Y10D12 / Version 1.0 ©**

Sequence	Media Name	Media Type
None		