

STP 9-63A14-SM-TG

SOLDIER'S MANUAL/TRAINER'S GUIDE

ABRAMS TANK SYSTEM MAINTAINER

SKILL LEVELS 1, 2, 3, 4

MOS 63A

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HEADQUARTERS, DEPARTMENT OF THE ARMY

SOLDIER'S MANUAL and TRAINER'S GUIDE

MOS 63A

SOLDIER'S MANUAL AND TRAINER'S GUIDE, MOS 63A, ABRAMS TANK SYSTEM MAINTAINER

Skill Levels 1, 2, 3 and 4

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PREFACE

This soldier training publication (STP) is intended for soldiers holding MOS 63A, Skill Levels 1, 2, 3, and 4, their supervisors, trainers, and commanders. It contains a MOS Training Plan providing information needed to plan, conduct, and evaluate unit training, one of the most important jobs of military leaders. It includes standardized training objectives in the form of task summaries that can be used to train and evaluate soldiers on critical tasks supporting unit missions during wartime.

Soldiers holding MOS 63A should have access to this publication. Trainers and first line supervisors should actively plan for soldiers' access, making it available in work areas, unit learning centers, and unit libraries. However, it is not intended for an individual copy to be provided to each MOS holder. The STP is obtainable on line from the Reimer Digital Library (RDL).

Tasks in this manual apply to both Active and Reserve Component soldiers.

The proponent of this publication is HQ TRADOC. Submit comments and recommendations on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Department of the Army, Training Directorate, Ordnance Training Division, ATTN: ATCL-AO, 401 First Street, Suite 227, Fort Lee, VA 23801-1511.

Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to men.

CHAPTER 1

Introduction

1-1. General. This soldier training publication (STP) identifies individual MOS training requirements for soldiers holding MOS 63A. Commanders, trainers, and soldiers should use it to plan, conduct, and evaluate individual training in units. The STP is the primary MOS reference for supporting self-development, evaluating MOS proficiency, and training of 63A soldiers. Commanders employ two primary methods to evaluate soldiers' proficiency:

- Commander's evaluation. Commander's evaluations are local tests or assessments of soldiers' performance of MOS-specific and common tasks critical to the unit mission. They may be conducted year-round.
- Common task test (CTT). CTTs are hands-on tests used to evaluate proficiency on common tasks. Alternate written tests are provided if equipment is not available for hands-on testing.

This publication is the soldier's primary reference to prepare for a commander's evaluation of MOS-specific tasks. It contains task summaries for all critical tasks specific to the MOS and skill level (SL). Commanders and trainers will use this soldier's manual/trainer's guide (SM/TG) to plan and conduct training and commander's evaluations.

Chapter 2, Trainer's Guide, contains information needed to plan training requirements for this MOS. The trainer's guide

- Identifies subject areas in which soldiers must be trained.
- Identifies critical tasks for each subject area.
- Specifies where soldiers are initially trained on each task.
- Recommends how often each task should be trained to sustain proficiency.
- Recommends a strategy for cross-training soldiers.
- Recommends a strategy for training soldiers to perform higher-level tasks.

Use this STP along with STP 21-1-SMCT (Soldier's Manual of Common Tasks, Skill Level 1), STP 21-24-SMCT (Soldier's Manual of Common Tasks, Skill Levels 2-4), Army training and evaluation programs (ARTEPs), FM 25-4 (How to Conduct Training Exercises), FM 25-5 (Training for Mobilization and War), FM 25-100 (Training the Force), and FM 25-101 (Battle-Focused Training) to establish effective training plans and programs that integrate soldier, leader, and collective tasks.

1-2. Task Summaries. Task summaries outline wartime performance requirements for each critical task in the STP. They provide both soldier and trainer with the information necessary to prepare, conduct, and evaluate critical task training. As a minimum, task summaries include information soldiers must know and skills they must perform to standard for each task. Following is the task summary format:

- Task number. The task number is a 10-digit number that identifies the task and skill level. Include the task number and title in any correspondence relating to the task.
- Task title. The task title identifies the action to be performed.
- Conditions. The task conditions statement describes the field or garrison conditions under which the task will be performed and identifies the equipment, tools, references, job aids, and supporting personnel that the soldier needs to perform the task in wartime.

- **Standards.** The task standards describe how well and to what level of proficiency the soldier must perform the task under wartime conditions. Standards are typically expressed in terms of accuracy, completeness, duration, sequence, speed, and tolerance.
- **Performance measures.** This section identifies specific actions that the soldier must accomplish to complete the task successfully. Performance measures appear in a GO/NO-GO rating format for easy evaluation. Some tasks may also include detailed training information in a Training Information Outline and an Evaluation Preparation Section. The Evaluation Preparation Section indicates necessary modifications to task performance in order to train and evaluate a task that can not be trained to the wartime standard under wartime conditions. It may also include special training and evaluation preparation instructions to accommodate these modifications and any instructions that should be given to the soldier before evaluation.
- **References.** This section identifies references that provide more detailed explanations of task performance requirements than are given in the task summary.
- **Warnings.** Warnings alert users to the possibility of immediate personal injury or equipment damage.
- **Notes.** Notes provide additional supportive explanations or tips relating to task performance.

1-3. **Soldier's Responsibilities.** Each soldier is responsible for performing individual tasks identified by the first-line supervisor based on the unit's mission-essential task list (METL). Soldiers must perform tasks to the standards included in the task summary. If soldiers have questions about tasks or which tasks in this manual they must perform, they are responsible for asking their first-line supervisor for clarification. First-line supervisors know how to perform each task or can direct soldiers to appropriate training materials, including current field manuals, technical manuals, and Army regulations. Soldiers are responsible for using these materials to maintain performance. They are also responsible for maintaining performance of all common tasks listed in the SMCTs at their current skill level and below.

Periodically, soldiers should ask their supervisor or another soldier to check their performance to ensure that they can perform the tasks.

1-4. **NCO Self-Development and the STP.** Self-development is a key component of leader development. Leaders follow planned, progressive, sequential self-development programs developed by the individual NCO and his or her first-line supervisor to enhance and sustain military competencies. Self-development consists of individual study, research, professional reading, practice, and self-assessment. The self-development concept requires NCO's, as Army professionals, to take responsibility for remaining current in all phases of their MOS. The STP is the NCO's primary source for maintaining MOS proficiency.

Another important resource for self-development is the Army Correspondence Course Program (ACCP). Refer to DA Pamphlet 351-20 (Army Correspondence Course Program Catalog) for detailed eligibility requirements and enrollment information. The catalog is available at local education centers or on line through the Army Institute for Professional Development (AIPD) web site, The web site offers on-line enrollment.

1-5. **Commander's Responsibilities.** Commanders must ensure that their unit training plans prepare the unit for war by enabling soldiers to develop and sustain proficiency in their MOS and skill level tasks. Commanders should design unit training programs to provide individual training for all soldiers assigned to the unit and to evaluate soldier proficiency routinely as part of the commander's evaluation program. The unit training program should also integrate individual training with crew drills and other collective training. The MOS training plan provides information on which to base integration, cross-train, train-up, and sustainment training programs. Commanders should use the MOS training plan when developing unit training plans.

1-6. Trainer's Responsibilities. Training is the business of all unit leaders. First-line leaders are the principal trainers in the unit because they directly supervise soldiers and lead crews, squads, sections, and teams.

Trainers can use the MOS training plan to determine the critical tasks each soldier is responsible for. They should tell each soldier which tasks he or she must be able to perform. Trainers should evaluate task performance to determine which tasks each soldier can or cannot perform to standard. Soldiers who cannot perform a task to standard need further training. This STP helps the trainer do what trainers get paid to do; train. Developing effective training is explained in detail in FM 25-100 and FM 25-101.

Every task summary in this STP includes performance measures, which trainers may use year-round to determine if soldiers can perform critical tasks to the specified standards. The performance measures identify what the trainer needs to observe to score a soldier's performance. A blank space is provided for the trainer to check either the GO or NO-GO column for each performance measure. Some tasks require the trainer to watch the soldier perform them (evaluate the process). Other tasks call for the trainer to focus on the results of the soldier's performance (evaluate the product). Comments should not be written on the task summary.

Trainers can monitor the progress of their soldiers by recording task go/no-go results. Trainers may use DA Form 5164-R (Hands-On Evaluation) to record the performance measures a soldier passed or failed. The form, which may be locally reproduced, applies to all tasks in this STP. Trainers may have DA Form 5164-R overprinted with information unique to their training requirements before reproducing it. See Appendix A of this STP for a sample DA Form 5164-R with instructions.

Trainers may use DA Form 5165-R (Field Expedient Squad Book) to record hands-on go/no-go results for a group of soldiers (for example, a crew, section, or squad) having the same MOS and skill level. This form supports conduct of commander's evaluations, and can be used to record training results gathered in the field during slack time for all MOS's and skill levels. Use of this form is optional. See Appendix B for a sample DA Form 5165-R with instructions. Trainers should work with each soldier until tasks can be performed to specific task summary standards.

1-7. Training Support. References have been identified for each task to assist in planning and conducting training. A consolidated list of references identified by type, publication number, and title and a comprehensive glossary of acronyms, abbreviations, and definitions are included in this STP.

CHAPTER 2

Training Guide

63A CAREER FIELD DUTY POSITIONS			
Duty Position	Subject Area	Cross Train	Train-up/Merger
Skill Level 1			
Abrams Tank System Maintainer Recovery Vehicle Operator (ASI H8) M1A2 (SEP) Tank System Maintainer (ASI K4)	1 - 2	NA	63A20/Abrams Tank System Maintainer 63A20/Recovery Vehicle Operator (ASI H8) M1A2 (SEP) Tank System Maintainer (ASI K4)
Skill Level 2			
Abrams Tank System Maintainer Recovery Vehicle Operator (ASI H8) M1A2 (SEP) Tank System Maintainer (ASI K4)	1 - 2	NA	63A30/Abrams Tank System Maintainer 63A30/Recovery Vehicle Supervisor M1A2 (SEP) Tank System Maintainer
Skill Level 3			
Abrams Tank System Maintainer Recovery Vehicle Supervisor	3 - 4	NA	63A40/Abrams Tank Maintenance Supervisor
Skill Level 4			
Abrams Tank Maintenance Supervisor	5	NA	63Z50/Mechanical Maintenance Supervisor

2-1. General. The MOS Training Plan (MTP) identifies the essential components of a unit training plan for individual training. Units have different training needs and requirements based on differences in environment, location, equipment, dispersion, and similar factors. Therefore, the MTP should be used as a guide for conducting unit training and not a rigid standard. The MTP consists of two parts. Each part is designed to assist the commander in preparing a unit training plan which satisfies integration, cross training, training up, and sustainment training requirements for soldiers in this MOS.

Part One of the MTP shows the relationship of an MOS skill level between duty position and critical tasks. These critical tasks are grouped by task commonality into subject areas.

Section I lists subject area numbers and titles used throughout the MTP. These subject areas are used to define the training requirements for each duty position within an MOS.

Section II identifies the total training requirement for each duty position within an MOS and provides a recommendation for cross training and train-up/merger training.

- **Duty Position column.** This column lists the duty positions of the MOS, by skill level, which have different training requirements.
- **Subject Area column.** This column lists, by numerical key (see Section I), the subject areas a soldier must be proficient in to perform in that duty position.

- **Cross Train column.** This column lists the recommended duty position for which soldiers should be cross trained.
- **Train-up/Merger column.** This column lists the corresponding duty position for the next higher skill level or MOSC the soldier will merge into on promotion.

Part Two lists, by general subject areas, the critical tasks to be trained in an MOS and the type of training required (resident, integration, or sustainment).

- **Subject Area column.** This column lists the subject area number and title in the same order as Section I, Part One of the MTP.
- **Task Number column.** This column lists the task numbers for all tasks included in the subject area.
- **Title column.** This column lists the task title for each task in the subject area.
- **Training Location column.** This column identifies the training location where the task is first trained to soldier training publication standards. If the task is first trained to standard in the unit, the word "Unit" will be in this column. If the task is first trained to standard in the training base, it will identify, by brevity code (ANCOC, BNCOC, etc.), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

AIT	Advanced Individual Training
ASI/SD	Additional Skill Identifier/Special Duty
UNIT	Trained in the Unit
BNCOC	Basic NCO Course
BTC	Basic Technical Course
ANCOC	Advanced NCO Course

Figure 2-1. Training Locations

- **Sustainment Training Frequency column.** This column indicates the recommended frequency at which the tasks should be trained to ensure soldiers maintain task proficiency. Figure 2-2 identifies the frequency codes used in this column.

BA	- Biannually
AN	- Annually
SA	- Semiannually
QT	- Quarterly
MO	- Monthly
BW	- Bi-weekly
WK	- Weekly

Figure 2-2. Sustainment Training Frequency Codes

- **Sustainment Training Skill Level column.** This column lists the skill levels of the MOS for which soldiers must receive sustainment training to ensure they maintain proficiency to soldier's manual standards.

2-2. Subject Area Codes.

Skill Level 1

- 1 ADMINISTRATIVE TASKS
- 2 TECHNICAL TASKS (SKILL LEVEL 1/2)
- 3 RECOVERY (ASI-H8 ONLY)
- 4 M1A2/SEP TASKS (ASI-K4 ONLY)

Skill Level 3

- 5 COMMON LOGISTIC TASKS (SKILL LEVEL 3)
- 6 TECHNICAL TASKS (SKILL LEVEL 3)

Skill Level 4

- 7 COMMON LOGISTIC MANAGEMENT TASKS (SKILL LEVEL 4)

2-3. Duty Position Training Requirements.

See CHAPTER 2 Training Guide

2-4. Critical Tasks List.

**MOS TRAINING PLAN
63A14**

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 1					
1.ADMIN TASKS	091-109-0001	Maintain Test, Measurement, and Diagnostic Equipment (TMDE)	AIT	SA	1/2
	091-109-0002	Maintain Assigned Vehicles (PMCS)	AIT	DA	1/2
	091-109-0003	Maintain Assigned Tool Kits	AIT	DA	1/2
	091-109-0005	Prepare Equipment Inspection and Maintenance Worksheet (DA Form 2404)	AIT	DA	1/2
2. TECHNICAL TASKS (SKILL LEVEL 1/2)	091-63A-2001	Correct Malfunction of Gas Turbine Power Plants/Packs	AIT	QT	1/2
	091-63A-2002	Correct Malfunction of Vehicle Charging Systems	AIT	QT	1/2
	091-63A-2003	Correct Malfunction of Hull Electrical System	AIT	QT	1/2
	091-63A-2004	Correct Malfunction of Cross Drive Transmission	AIT	QT	1/2
	091-63A-2005	Correct Malfunction of Mechanical/Hydraulic Brake Systems	AIT	QT	1/2
	091-63A-2006	Correct Malfunction of Vehicle Starting Systems	AIT	QT	1/2
	091-63A-2007	Correct Malfunction of Track Vehicle Suspension Systems	AIT	QT	1/2
	091-63A-2008	Correct Malfunction of Mechanical/Hydraulic Steering Systems	AIT	QT	1/2
	091-63A-2009	Correct Malfunction of Personnel Heater System	AIT	QT	1/2
	091-63A-2010	Correct Malfunction of External Auxiliary Power Unit	AIT	QT	1/2
	091-63A-2011	Correct Malfunction of Fire Extinguisher/Suppression Systems	AIT	QT	1/2
	091-63A-2012	Correct Malfunction of NBC Systems	AIT	QT	1/2
	091-63A-2013	Diagnose Malfunction using the STE-M1/FVS	AIT	QT	1/2
	091-63A-2014	Diagnose Malfunction Using the Breakout Box	AIT	QT	1/2

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-63A-2015	Replace M-1 Series Vehicle Transmission Assembly	AIT	QT	1/2
	091-63A-2016	Replace M-1 Series Vehicle Reduction Gear Box Assembly (RGB)	AIT	QT	1/2
	091-63A-2017	Replace M-1 Series Vehicle Accessory Gear Box Assembly (AGB)	AIT	QT	1/2
	091-63A-2018	Replace M-1 Series Vehicle Forward Module Assembly	AIT	QT	1/2
	091-63A-2019	Replace M-1 Series Vehicle Rear Module Assembly	AIT	QT	1/2
	091-63A-2020	Correct Malfunction of Cannon Assemblies	AIT	QT	1/2
	091-63A-2021	Correct Malfunction of Traversing Systems	AIT	QT	1/2
	091-63A-2022	Correct Malfunction of Elevating Systems	AIT	QT	1/2
	091-63A-2023	Correct Malfunction of Hydraulic Systems	AIT	QT	1/2
	091-63A-2024	Correct Malfunction of Sighting and Fire Control Systems	AIT	QT	1/2
	091-63A-2025	Correct Malfunction of NBC Systems	AIT	QT	1/2
	091-63A-2026	Correct Malfunction of Breech Mechanism	AIT	QT	1/2
	091-63A-2027	Perform Scheduled Services on M1 Abrams Tank Turret	AIT	QT	1/2
	091-63A-2028	Correct Malfunction of the Turret Electrical System	AIT	QT	1/2
	091-63A-2029	Correct Malfunction of the Electrical Circuits	AIT	QT	1/2
	091-63A-2030	Replace Traverse Motor Brake, Servo, and Manual Drive Assemblies	AIT	QT	1/2
	091-63A-2031	Replace Elevation Servo Assembly	AIT	QT	1/2
3. RECOVERY (ASI-H8 ONLY)	091-H8C-2001	Locate a Recovery Site	ASI/SD	SA	1/2
	091-H8C-2002	Determine Recovery Methods	ASI/SD	SA	1/2
	091-H8C-2003	Operate Tactical Communications Equipment	ASI/SD	SA	1/2
	091-H8C-2004	Operate Metal Cutting Equipment	ASI/SD	SA	1/2
	091-H8T-2001	Maintain Recovery Vehicle Weapons	ASI/SD	SA	1/2
	091-H8T-2002	Perform Preventive Maintenance Checks and	ASI/SD	SA	1/2

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
		Services on Tracked Recovery Vehicle			
	091-H8T-2003	Use Basic Issue Items Related to Tracked Recovery Vehicle	ASI/SD	SA	1/2
	091-H8T-2004	Drive Tracked Recovery Vehicle	ASI/SD	SA	1/2
	091-H8T-2005	Operate Auxiliary Power Unit	ASI/SD	SA	1/2
	091-H8T-2006	Operate the Boom and Hoist Winch on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
	091-H8T-2007	Operate the Spade on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
	091-H8T-2008	Operate the Witches on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
	091-H8T-2009	Recover a Mired Tracked Vehicle	ASI/SD	SA	1/2
	091-H8T-2010	Recover an Overturned Tracked Vehicle	ASI/SD	SA	1/2
	091-H8T-2011	Lift and Tow a Disabled Vehicle	ASI/SD	SA	1/2
	091-H8T-2012	Cross Country Tow of a Tracked Vehicle	ASI/SD	SA	1/2
	091-H8T-2013	Perform Field Expedient Recovery on a Tracked Vehicle			
4. M1A2/SEP TASKS (ASI-K4 ONLY)	091-AK4-0049	Contact Test Set (CTS) III Familiarization	ASI/SD	QT	1/2
	091-AK4-0050	Download/Verify Vehicle Software	ASI/SD	QT	1/2
	091-AK4-0051	Replace Fire Extinguisher Responder for the Under Armor Auxiliary Power Unit (UAAPU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0052	Replace Fire Extinguisher Bottle and Valve For The Under Armor Auxiliary Power Unit (UAAPU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0053	Perform Fire Suppression System Test	ASI/SD	QT	1/2
	091-AK4-0054	Familiarization of the Fire Suppression System	ASI/SD	QT	1/2
	091-AK4-0055	Familiarization of the Vehicular Information System (IVIS)	ASI/SD	QT	1/2
	091-AK4-0056	Operate the Vehicular Information System (IVIS)	ASI/SD	QT	1/2
	091-AK4-0057	Troubleshoot Faulty Hull/Turret Electronics Unit (HTEU)	ASI/SD	QT	1/2

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-AK4-0058	Troubleshoot Faulty Hull Mission Processor Unit (HMPU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0059	Troubleshoot Faulty Turret Mission Processor Unit (TMPU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0060	Troubleshoot Faulty Commanders Display Unit (CDU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0061	Troubleshoot Faulty Gunners Control Electronics Unit (GCDP)	ASI/SD	QT	1/2
	091-AK4-0062	Troubleshoot Faulty Fire Control Electronics Unit (FCEU)	ASI/SD	QT	1/2
	091-AK4-0063	Troubleshoot Faulty Mass Memory Unit (MMU)	ASI/SD	QT	1/2
	091-AK4-0064	Troubleshoot Faulty Commanders Electronic Unit (CEU)	ASI/SD	QT	1/2
	091-AK4-0065	Troubleshoot Faulty Radio Interface Unit (RIU)	ASI/SD	QT	1/2
	091-AK4-0066	Troubleshoot Faulty Commander's Independent Thermal Viewer/ Electronics Unit (CITV/EU)	ASI/SD	QT	1/2
	091-AK4-0067	Troubleshoot Faulty Commander's Independent Thermal Viewer (CITV)	ASI/SD	QT	1/2
	091-AK4-0068	Troubleshoot Faulty Commander's Integrated Display (CID)	ASI/SD	QT	1/2
	091-AK4-0069	Troubleshoot Faulty Commander's Control Handle Assembly (CCHA)	ASI/SD	QT	1/2
	091-AK4-0070	Troubleshoot Faulty Data/Utility Bus Couplers	ASI/SD	QT	1/2
	091-AK4-0071	Familiarization on M1A2 and M1A2 SEP Unique Components	ASI/SD	QT	1/2
	091-AK4-0072	Familiarization of Setting Way Points on the Position/Navigation System (POS/NAV)	ASI/SD	QT	1/2
	091-AK4-0073	Perform the Setting of Way Points using the Position/Navigation System (POS/NAV)	ASI/SD	QT	1/2
	091-AK4-0074	Troubleshoot the Position/Navigation System (POS/NAV) using Built in Test (BIT) and Fault Isolation Test (FIT)	ASI/SD	QT	1/2
	091-AK4-0075	Troubleshoot Circuit Breaker Tripped Message on the Soldier Machine Interface (SMI)	ASI/SD	QT	1/2
	091-AK4-0076	Familiarization of the Second Generation Common Electronics Unit (SGCEU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0077	Replace the Thermal Imaging Unit (TIS) Second Generation Common Electronics Unit	ASI/SD	QT	1/2

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
		(SGCEU) (SEP)			
	091-AK4-0078	Familiarization of Plumb and Synchronization	ASI/SD	QT	1/2
	091-AK4-0079	Perform Plumb and Synchronization Procedures	ASI/SD	QT	1/2
	091-AK4-0080	Troubleshoot Faulty Hull Power Distribution Unit (HPDU)	ASI/SD	QT	1/2
	091-AK4-0081	Troubleshoot Faulty Remote Switching Module	ASI/SD	QT	1/2
	091-AK4-0082	Troubleshoot Faulty Remote Switching Module #6 (SEP)	ASI/SD	QT	1/2
	091-AK4-0083	Troubleshoot Faulty Analog Input Module (AIM)	ASI/SD	QT	1/2
	091-AK4-0084	Troubleshoot Faulty Master and Turret Power	ASI/SD	QT	1/2
	091-AK4-0085	Familiarization of the Power Distribution System	ASI/SD	QT	1/2
	091-AK4-0086	Familiarization of the Driver's Integrated Display (DID)	ASI/SD	QT	1/2
	091-AK4-0087	Troubleshoot Faulty Driver's Integrated Display (DID)	ASI/SD	QT	1/2
	091-AK4-0088	Troubleshoot Faulty Driver's Integrated Display (DID) Backup Functions	ASI/SD	QT	1/2
	091-AK4-0089	Familiarization of the Global Positioning System (GPS) (SEP)	ASI/SD	QT	1/2
	091-AK4-0090	Perform Functional Checkout Procedures of the Global Positioning System (GPS) (SEP)	ASI/SD	QT	1/2
	091-AK4-0091	Replace Global Positioning System (GPS) Antenna (SEP)	ASI/SD	QT	1/2
	091-AK4-0092	Familiarization of the Second Generation Forward Looking Infrared (FLIR) (SEP)	ASI/SD	QT	1/2
	091-AK4-0093	Replace Commander's Independent Thermal Viewer (CITV) Second Generation Servo Electronics Unit (SGSEU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0094	Replace the Second Generation Thermal Receiver Unit (SGTRU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0095	Replace the Biocular Image Control Unit (BICU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0096	Maintain Commander's Independent Thermal (SEP)	ASI/SD	QT	1/2
	091-AK4-0097	Familiarization of the Second Generation	ASI/SD	QT	1/2

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
		Thermal Imaging System (TIS) (SEP)			
	091-AK4-0098	Familiarization of the Thermal Management System (TM'S) (SEP)	ASI/SD	QT	1/2
	091-AK4-0099	Replace Vapor Compression System of the Under Armor Auxiliary Power Unit (UAAPU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0100	Familiarization of the Under Armor Auxiliary Power Unit (UAAPU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0101	Familiarization of the Under Armor Auxiliary Power Unit (UAAPU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0102	Replace Under Armor Auxiliary Power Unit (UAAPU) (SEP)	ASI/SD	QT	1/2
	091-AK4-0103	Troubleshoot the Under Armor Auxiliary Power Unit (UAAPU) (SEP)			
Skill Level 3					
5. COMMON LOGISTIC TASKS (SKILL LEVEL 3)	091-CLT-3001	Manage a Shop Safety Program	BNCOC	AN	3
	091-CLT-3002	Maintain a Publications Library	BNCOC	AN	3
	091-CLT-3003	Establish Maintenance Facilities	BNCOC	AN	3
	091-CLT-3004	Assist in Preparing a Standing Operating Procedure	BNCOC	AN	3
	091-CLT-3005	Manage Tool Control Procedures	BNCOC	AN	3
	091-CLT-3006	Manage Key Control Procedures	BNCOC	AN	3
	091-CLT-3007	Manage the TMDE Calibration Program	BNCOC	AN	3
	091-CLT-3008	Recon Terrain/Route	BNCOC	AN	3
	091-CLT-3009	Supervise Maintenance Operations	BNCOC	AN	3
	091-CLT-3010	Interpret Maintenance Operational Overlay	BNCOC	AN	3
	091-CLT-3013	Manage the Unit Level Logistics System (ULLS)	BNCOC	AN	3
	091-CLT-3014	Manage the Unit Army Oil Analysis Program (AOAP)	BNCOC	AN	3
	091-CLT-3015	Deploy Company Maintenance Team/Recovery Support Team	BNCOC	AN	3
	091-CLT-3016	Review the Army Materiel Status System	BNCOC	AN	3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
		(AMSS) Reports			
6. TECHNICAL TASKS (SKILL LEVEL 3)	091-63A-3001	Perform Diagnostic Procedures of Gas Turbine Power Plants/Packs	BNCOC	QT	3
	091-63A-3002	Perform Diagnostic Procedures of the Charging System	BNCOC	QT	3
	091-63A-3003	Perform Diagnostic Procedures of the Fuel System	BNCOC	QT	3
	091-63A-3004	Perform Diagnostic Procedures of Vehicle using Battlefield Damage Assessment and Repair (BDAR)	BNCOC	QT	3
	091-63A-3005	Perform Diagnostic Procedures of Transmission Assemblies	BNCOC	QT	3
	091-63A-3006	Perform Diagnostic Procedures of NBC Systems	BNCOC	QT	3
	091-63A-3007	Diagnose Malfunction Using the Breakout Box	BNCOC	QT	3
	091-63A-3008	Replace M-1 Series Vehicle Transmission Assembly	BNCOC	QT	3
	091-63A-3009	Replace M-1 Series Vehicle Reduction Gear Box Assembly (RGB)	BNCOC	QT	3
	091-63A-3010	Replace M-1 Series Vehicle Accessory Gear Box Assembly (AGB)	BNCOC	QT	3
	091-63A-3011	Replace M-1 Series Vehicle Forward Module Assembly	BNCOC	QT	3
	091-63A-3012	Replace M-1 Series Vehicle Rear Module Assembly	BNCOC	QT	3
	091-63A-3013	Perform Diagnostic Procedures of Ready Ammo Door System	BNCOC	QT	3
	091-63A-3014	Perform Diagnostic Procedures of Cannon Assembly	BNCOC	QT	3
	091-63A-3015	Perform Diagnostic Procedures of Traversing Systems	BNCOC	QT	3
	091-63A-3016	Performed Diagnostic Procedures of Elevating Systems	BNCOC	QT	3
	091-63A-3017	Perform Diagnostic Procedures of Electrical Power Distribution Systems	BNCOC	QT	3
	091-63A-3018	Perform Diagnostic Procedures of Electrical Firing Systems	BNCOC	QT	3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-63A-3019	Performed Diagnostic Procedures of Hydraulic Systems	BNCOC	QT	3
	091-63A-3020	Perform Diagnostic Procedures of Sighting and Fire Control Systems	BNCOC	QT	3
	091-63A-3021	Perform Diagnostic Procedures of Commander's Weapon Station	BNCOC	QT	3
	091-63A-3022	Replace Traverse Motor Brake, Servo, and Manual Drive Assemblies	BNCOC	QT	3
	091-63A-3023	Replace Elevation Servo Assembly	BNCOC	QT	3
Skill Level 4					
7. COMMON LOGISTIC MANAGEMENT TASKS (SKILL LEVEL 4)	091-CLT-4001	Perform Senior Rater Responsibilities for a Maintenance Section	ANCOC	AN	4
	091-CLT-4002	Supervise Platoon/Section Administrative Procedures	ANCOC	AN	4
	091-CLT-4003	Manage Combat Stress	ANCOC	AN	4
	091-CLT-4004	Ensure Maintenance Operations are in Compliance With the Army Environmental Program	ANCOC	AN	4
	091-CLT-4005	Enforce Compliance With the Shop Safety Program	ANCOC	AN	4
	091-CLT-4006	Coordinate Support for the Maintenance Platoon/Section	ANCOC	AN	4
	091-CLT-4007	Select a Field Maintenance Site	ANCOC	AN	4
	091-CLT-4008	Prepare an Operational Overlay for Maintenance Operations	ANCOC	AN	4
	091-CLT-4009	Control Flow of Work Through the Maintenance Shop	ANCOC	AN	4
	091-CLT-4010	Integrate Automated Logistics Support Systems	ANCOC	AN	4
	091-CLT-4011	Plan Logistics Support for Maintenance Operations	ANCOC	AN	4
	091-CLT-4012	Monitor the Preparation and Disposition of the Army Materiel Status System (AMSS) Reports	ANCOC	AN	4
	091-CLT-4013	Analyze the Prescribed Load List (PLL) Report	ANCOC	AN	4
	091-CLT-4014	Monitor Quality Control Program	ANCOC	AN	4

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-CLT-4015	Analyze Bench Stock Listing	ANCOC	AN	4
	091-CLT-4016	Analyze Open Work Request Reconciliation Listing	ANCOC	AN	4
	091-CLT-4017	Analyze Completed Shop Workload Summary	ANCOC	AN	4
	091-CLT-4018	Analyze Shop Deadline and Deferred Workload Listing	ANCOC	AN	4
	091-CLT-4019	Analyze Shop Workload Summary Listing	ANCOC	AN	4
	091-CLT-4020	Maintain Property Accountability	ANCOC	AN	4
	091-CLT-4021	Prepare Standing Operating Procedures for Maintenance Operations	ANCOC	AN	4
	091-CLT-4022	Supervise the Deployment of Company Maintenance Team/Recovery Support Team/Maintenance Support Team	ANCOC	AN	4
	091-CLT-4023	Conduct a Route Reconnaissance for a Maintenance Mission	ANCOC	AN	4
	091-CLT-4024	Conduct an Area Reconnaissance for a Maintenance Mission	ANCOC	AN	4
	091-CLT-4025	Manage Battlefield Maintenance Support	ANCOC	AN	4
	091-CLT-4026	Perform Support Operations NCO Duties	ANCOC	AN	4
	091-CLT-4027	Manage Maintenance Operations at a Maintenance Collection Point	ANCOC	AN	4
	091-CLT-4028	Provide Maintenance Support During Tactical Operations	ANCOC	AN	4

CHAPTER 3
MOS/Skill Level Tasks

Skill Level 1

Subject Area 1: ADMINISTRATIVE TASKS

Maintain Test, Measurement, and Diagnostic Equipment (TMDE)
091-109-0001

Conditions: Given applicable TMDE, appropriate references, suitable tools, and suitable cleaning materials.

Standards: Maintain the TMDE IAW the applicable technical publications procedures and specifications. When this task is completed, the equipment must be fully mission-capable, or maintenance actions must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable references.	—	—
2. Inspect TMDE for damage.	—	—
3. Test-operate TMDE to determine proper operation.	—	—
4. Check calibration date (if calibration is required).	—	—
5. Clean and/or lubricate TMDE, if required.	—	—
6. Properly store or package TMDE after maintenance or use.	—	—
6. Maintain the Contact Test Set (CTS).	—	—
7. Complete The Army Management System (TAMMS) forms, as required.	—	—
8. Perform required Preventive Maintenance Checks and Services (PMCS).	—	—
10. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required	Related
AR 750-43	
TB 43-180	
TM 11-6625-3052-14	
TM 9-6625-2301-12	

**Maintain Assigned Vehicles (PMCS)
091-109-0002**

Conditions: In a field or garrison environment, given an assigned vehicle with applicable technical publications, necessary forms, repair parts or Petroleum, Oil, and Lubricants (POL) products if needed, additional tools and equipment as indicated in TMs, and supervision/assistance.

Standards: Maintain assigned vehicle Preventive Maintenance Checks and Services (PMCS) IAW the applicable technical publications procedures and specifications. When this task is completed, the vehicle must be fully mission-capable, or deficiencies/shortcomings must be annotated and maintenance actions required to be performed by other than assigned vehicle operator identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Perform preventive maintenance checks and services (PMCS) IAW TM.	—	—
5. Annotate actions taken on DA Form 5988-E.	—	—
6. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References
Required
DA PAM 738-750

Related

**Maintain Assigned Tool Kits
091-109-0003**

Conditions: Given applicable tool kits, applicable references, cleaning materials, and solvents or lubricants.

Standards: Inspect and service the assigned tool kits IAW the applicable technical publications procedures and specifications. When this task is completed, assigned tools will be in operable condition, tool kits or sets complete, or section chief or supervisor notified of shortages.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable references.	—	—
2. Practice shop safety and maintenance discipline.	—	—
2. Inspect tools for serviceability and accountability.	—	—
3. Identify damaged items and notify supervisor.	—	—
4. Annotate corrective actions taken on DA Form 5988-E.	—	—
4. Apply lubricants or preservative, as needed.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

**References
Required
TM 9-243**

Related

**Prepare Equipment Inspection and Maintenance Worksheet (DA Form 2404)
091-109-0005**

Conditions: Given the necessary forms, DA Pam 738-750, pencil, and applicable equipment publication(s).

Standards: Prepare DA Form 2404 must be prepared IAW DA Pam 738-750.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Refer to DA Pam 738-750.	—	—
2. Complete form heading according to the type of inspection to be performed.	—	—
3. Enter deficiencies/shortcomings and corrective actions, if required.	—	—
4. Notify supervisor of complete or incomplete maintenance actions.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required
DA FORM 2404
DA PAM 738-750

Related

Subject Area 2: TECHNICAL TASKS (SKILL LEVEL 1/2)

**Correct Malfunction of Gas Turbine Power Plants/Packs
091-63A-2001**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct the malfunction of gas turbine power plants/packs IAW applicable technical publications. When the task is completed the equipment or end item was fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel will be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect gas turbine power plant/pack systems/components.	—	—
5. Remove the power pack.	—	—
6. Groundhop the power pack.	—	—
7. Adjust IGV cable.	—	—
8. Adjust throttle control rotary variable differential transformer (RVDT).	—	—
9. Perform troubleshooting of the air induction system.	—	—
10. Perform a final operational test to verify that the gas turbine power plant/pack malfunction is corrected to specification.	—	—
11. Install the power pack.	—	—
12. Annotate corrective actions taken on the DA Form 5988-E.	—	—
13. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5

Related

- SC 4910-95-A74
- SC 5180-95-A12
- SC 5180-95-N26

**Correct Malfunction of Vehicle Charging Systems
091-63A-2002**

Conditions: In a field or garrison environment, given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of vehicle charging system IAW applicable technical publications. When the task is completed the equipment or end item will be fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel will be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect vehicle charging system/components.	—	—
5. Diagnose fault(s) by troubleshooting the vehicle charging system.	—	—
6. Determine maintenance action to be performed.	—	—
7. Adjust and replace vehicle charging system/components.	—	—
8. Perform final operational test to verify that vehicle charging system malfunction is corrected to specification.	—	—
9. Annotate corrective actions taken on the DA Form 5988-E.	—	—
10. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5
- TM 9-243
- TM 9-8000

Related

- SC 4910-95-A72
- SC 4910-95-A73
- SC 4910-95-A74

**Correct Malfunction of Hull Electrical System
091-63A-2003**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of track hull electrical systems IAW applicable technical publications. When the task is completed, the equipment or end item is fully mission- capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect track hull electrical systems/components.	—	—
5. Diagnose track hull electrical systems fault(s) by troubleshooting tank power distribution.	—	—
6. Replace the hull power distribution box.	—	—
7. Perform a final operational test to verify that the track hull electrical systems malfunction is corrected to specification.	—	—
8. Annotate corrective actions taken on the DA Form 5988-E.	—	—
9. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-264-10-1	SC 5180-95-N26
TM 9-2350-264-20-1-1	
TM 9-2350-264-20-1-2	
TM 9-2350-264-20-1-3	
TM 9-2350-264-20-1-4	
TM 9-2350-264-20-1-5	
TM 9-2350-264-24-1	
TM 9-243	
TM 9-8000	

**Correct Malfunction of Cross Drive Transmission
091-63A-2004**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of cross drive transmission assemblies IAW applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect cross drive transmission assemblies.	—	—
5. Diagnose cross drive transmission assembly fault(s) by troubleshooting the transmission shift subsystem.	—	—
6. Determine maintenance action to be performed:	—	—
a. Replace 24-volt solenoid.		
b. Replace modulator directional linear valve.		
c. Replace forward/reverse directional linear valve body.		
7. Perform a final operational test to verify that the cross drive transmission assembly's malfunction is corrected to specification.	—	—
8. Annotate corrective actions taken on the DA Form 5988-E.	—	—
9. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5
- TM 9-2350-264-24-1
- TM 9-243
- TM 9-8000

Related

- SC 4910-95-A73
- SC 4910-95-A74
- SC 5180-95-N26

**Correct Malfunction of Mechanical/Hydraulic Brake Systems
091-63A-2005**

Conditions: In a field or garrison environment, given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of mechanical/hydraulic brake systems IAW applicable technical publications. When the task is completed, the equipment or end item was fully mission-capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect mechanical/hydraulic brake systems/components.	—	—
5. Diagnose mechanical/hydraulic brake systems fault(s) and determine maintenance action to be performed.	—	—
6. Adjust and/or replace mechanical/hydraulic brake systems/components.	—	—
7. Perform a final operational test to verify that the mechanical/hydraulic brake systems malfunction is corrected to specification.	—	—
8. Annotate corrective actions taken on the DA Form 5988-E.	—	—
9. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5
- TM 9-2350-264-24-1
- TM 9-243
- TM 9-8000

Related

- SC 4910-95-A73
- SC 4910-95-A74
- SC 5180-95-N26

**Correct Malfunction of Vehicle Starting Systems
091-63A-2006**

Conditions: In a field or garrison environment, given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of track vehicle starting systems IAW applicable technical publications. When the task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect vehicle starting system/components.	—	—
5. Diagnose vehicle starting system fault(s) by troubleshooting the:	—	—
a. Starting system.		
b. Air induction system.		
6. Determine maintenance action to be performed.	—	—
7. Adjust and/or replace vehicle starting system/components.	—	—
8. Perform a final operational test to verify that the vehicle starting system malfunction is corrected to specification.	—	—
9. Annotate corrective actions taken on the DA Form 5988-E.	—	—
10. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5
- TM 9-2350-264-24-1
- TM 9-243
- TM 9-8000

Related

- SC 4910-95-A73
- SC 4910-95-A74
- SC 5180-95-N26

**Correct Malfunction of Track Vehicle Suspension Systems
091-63A-2007**

Conditions: In a field or garrison environment, given an applicable track vehicle; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of track vehicle suspension systems IAW applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect track vehicle suspension systems/components.	—	—
5. Diagnose track vehicle suspension system fault(s).	—	—
6. Determine maintenance action to be performed:	—	—
a. Replace shock absorber housing assembly.		
b. Replace idler wheel hub.		
c. Replace compensating idler arm upper-spindle-sleeve bearings.		
7. Perform a final operational test to verify that the track vehicle suspension systems malfunction(s) is corrected to specification.	—	—
8. Annotate corrective actions taken on the DA Form 5988-E.	—	—
9. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5
- TM 9-243
- TM 9-8000

Related

- SC 4910-95-A73
- SC 4910-95-A74

**Correct Malfunction of Mechanical/Hydraulic Steering Systems
091-63A-2008**

Conditions: In a field or garrison environment, given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of mechanical/hydraulic steering systems IAW applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect mechanical/hydraulic steering systems/components.	—	—
5. Diagnose mechanical/hydraulic steering systems fault(s) and determine maintenance action to be performed.	—	—
6. Adjust and/or replace mechanical/hydraulic steering systems/components.	—	—
7. Perform a final operational test to verify that the mechanical/hydraulic steering systems malfunction is corrected to specification.	—	—
8. Annotate corrective actions taken on the DA Form 5988-E.	—	—
9. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5
- TM 9-2350-264-24-1
- TM 9-243
- TM 9-8000

Related

- SC 4910-95-A73
- SC 4910-95-A74
- SC 5180-95-N26

**Correct Malfunction of Personnel Heater System
091-63A-2009**

Conditions: In a field or garrison environment, given a general mechanic tool kit; additional tools, TMDE, and equipment as indicated in TMs; a maintenance request or equipment inspection worksheet describing equipment malfunctions, applicable technical publications, and supervision/assistance.

Standards: Maintain the personnel heater system and replace or repair its components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully mission capable or maintenance actions required to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Perform troubleshooting systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Perform a final operational test to verify fault(s) have been corrected.	—	—
12. Annotate corrective actions taken on the DA Form 5988-E.	—	—
13. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5
- TM 9-243
- TM 9-8000

Related

- SC 5180-95-N26

**Correct Malfunction of External Auxiliary Power Unit
091-63A-2010**

Conditions: In a field or garrison environment, given an M88 series recovery vehicle w/BII and an auxiliary power unit (APU) or an M1A1 tank w/BII and an external (EAPU); repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs. Maintenance request or equipment inspection worksheet describing equipment malfunctions. Applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of external auxiliary power units IAW applicable technical publications. When the task is completed, the equipment or end item is fully- mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect auxiliary power units.	—	—
5. Inspect (APU) systems/components.	—	—
6. Diagnose APU fault(s) by troubleshooting applicable system:	—	—
a. M1A1 tank EAPU.		
b. M88 series recovery vehicle APU.		
7. Determine maintenance action to be performed:	—	—
a. Disassemble APU/EAPU.		
b. Adjust and/or replace APU/EAPU components.		
c. Reassemble APU/EAPU.		
8. Perform a final operational test to verify that the APU malfunction is corrected to specification.	—	—
9. Annotate corrective actions taken on the DA Form 5988-E.	—	—
10. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5

Related

- SC 4910-95-A73
- SC 4910-95-A74
- SC 5180-95-N26

TM 9-243

References

Required

TM 9-6115-542-24&P

TM 9-8000

Related

**Correct Malfunction of Fire Extinguisher/Suppression Systems
091-63A-2011**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of fire extinguisher/suppression systems IAW applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect fire extinguisher/suppression systems/components.	—	—
5. Diagnose fire extinguisher/suppression systems fault(s) by troubleshooting the crew fire extinguisher/suppression system.	—	—
6. Replace crew compartment valve and bottle assembly.	—	—
7. Perform a final operational test to verify that the fire extinguisher/suppression systems malfunction is corrected to specification.	—	—
8. Annotate corrective actions taken on the DA Form 5988-E.	—	—
9. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5
- TM 9-243
- TM 9-8000

Related

- SC 4910-95-A73
- SC 4910-95-A74

**Correct Malfunction of NBC Systems
091-63A-2012**

Conditions: In a field or garrison environment, given a general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; a maintenance request or equipment inspection worksheet describing equipment malfunctions, applicable technical publications, and supervision/assistance.

Standards: Maintained the NBC systems and replace or repair its components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully- mission capable or maintenance actions required to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Perform troubleshooting systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Perform a final operational test to verify fault is corrected.	—	—
12. Annotate corrective actions taken on the DA Form 5988-E.	—	—
13. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NOGO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5

Related

- SC 5180-95-N26

**Diagnose Malfunction using the STE-M1/FVS
091-63A-2013**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; tools, TMDE, and equipment as indicated in TMs; STE-M1/FVS; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Diagnosed malfunction using STE-M1/FVS IAW the applicable technical publications. When this task was completed, the equipment or end product was fully mission-capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel were identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the STE-M1/FVS.	—	—
5. Set up and test the STE-M1/FVS.	—	—
6. Diagnose malfunctions using the STE-M1/FVS.	—	—
7. Annotate actions taken on DA Form 5988-E.	—	—
8. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243
- TM 9-4910-751-14&P

Related

- SC 4910-95-A74
- SC 5180-95-A12

**Diagnose Malfunction Using the Breakout Box
091-63A-2014**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; tools, TMDE, and equipment as indicated in TMs; breakout box (BOB); maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Diagnose malfunction using the breakout box IAW the applicable technical publications. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the BOB.	—	—
5. Set up and test the BOB.	—	—
6. Diagnose malfunction using the BOB.	—	—
7. Annotate actions taken on DA Form 5988-E.	—	—
8. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- SC 4910-95-A74
- SC 5180-95-A12

**Replace M-1 Series Vehicle Transmission Assembly
091-63A-2015**

Conditions: In a field or garrison environment, given a tracked vehicle and repair parts, general mechanic tool kit, A31 tool set, and applicable vehicle TM.

Standards: Repair or replace the transmission assembly and replace/repair IAW applicable TM procedures and specifications. When this task is completed, the equipment or end item is fully mission-capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove transmission assembly from powerpack.	—	—
6. Inspect transmission assembly.	—	—
7. Install the transmission assembly.	—	—
8. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2

Related

**Replace M-1 Series Vehicle Reduction Gear Box Assembly (RGB)
091-63A-2016**

Conditions: In a field or garrison environment, given a AGT 1500 powerpack and repair parts, general mechanic's tool kit, special tools, A31 tool set, and applicable vehicle TMs.

Standards: Repair the reduction gear box IAW applicable TM procedures and specifications. When this task is completed, the equipment or end item is fully mission-capable, or required maintenance actions performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove reduction gear box from rear engine module.	—	—
6. Inspect reduction gear box and seals.	—	—
7. Install reduction gear box.	—	—
8. Verify fault is corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO-GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-243
- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2
- TM 9-2835-255-34
- TM 9-8000

Related

**Replace M-1 Series Vehicle Accessory Gear Box Assembly (AGB)
091-63A-2017**

Conditions: In a field or garrison environment, given a AGT 1500 powerpack and repair parts, general mechanic's tool kit, special tools, A31 tool set, and applicable vehicle TM.

Standards: Replace the accessory gear box IAW applicable TM procedures and specifications. When this task is completed, the equipment or end item is fully-mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove accessory gear box assembly from forward module.	—	—
6. Inspect accessory gear box assembly and seals.	—	—
7. Install accessory gear box assembly.	—	—
8. Verify fault is corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-243
- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2
- TM 9-2835-255-34

Related

- TM 9-8000

**Replace M-1 Series Vehicle Forward Module Assembly
091-63A-2018**

Conditions: In a field or garrison environment, given a AGT 1500 powerpack and repair parts, general mechanic's tool kit, special tools, A31 tool set, and applicable vehicle TM.

Standards: Replace the forward engine module IAW applicable TM procedures and specifications. When this task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove forward engine module.	—	—
6. Inspect forward engine module.	—	—
7. Install forward engine module.	—	—
8. Verify fault was corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-243
- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2
- TM 9-2835-255-34

Related

- TM 9-8000

**Replace M-1 Series Vehicle Rear Module Assembly
091-63A-2019**

Conditions: In a field or garrison environment, given a AGT 1500 powerpack and repair parts, general mechanic's tool kit, special tools, A31 tool set, and applicable vehicle TM.

Standards: Replace the rear engine module IAW applicable TM procedures and specifications. When this task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove rear engine module assembly.	—	—
6. Inspect rear engine module assembly.	—	—
7. Install rear engine module assembly.	—	—
8. Verify fault is corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-243
- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2
- TM 9-2835-255-34

Related

- TM 9-8000

**Correct Malfunction of Cannon Assemblies
091-63A-2020**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; maintenance request or equipment inspection worksheet describing equipment malfunctions; artillery and turret mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; safety equipment; appropriate cleaning and lubricating materials; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of cannon assembly's IAW applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the cannon assembly system component(s).	—	—
5. Perform troubleshooting of the cannon assembly.	—	—
6. Replace operating shafts and bearings.	—	—
7. Repair breechblock.	—	—
8. Repair closing piston assembly.	—	—
9. Perform breechblock function check.	—	—
10. Perform firing circuit test.	—	—
11. Perform a final operational test to verify that the cannon assembly malfunction is corrected to specification.	—	—
12. Annotate corrective actions taken on the DA Form 5988-E.	—	—
13. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-1000-202-14
- TM 9-2350-264-10-1
- TM 9-2350-264-10-2
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- SC 4910-95-A74
- SC 5180-95-A12
- TVT 9-160

Correct Malfunction of Traversing Systems

091-63A-2021

Conditions: In a field or garrison environment, given M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; maintenance request or equipment inspection worksheet describing equipment malfunctions; safety equipment; additional tools, TMDE, and equipment as indicated in TMs; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of traversing systems IAW applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the traversing system component(s).	—	—
5. Replace hydraulic turret valve.	—	—
a. Torque turret valve to specification.		
b. Lock in place all four electrical connectors.		
c. Tighten all hydraulic hoses and tubes a half turn past the point of firm resistance.		
6. Bleed air from hydraulic system.	—	—
7. Maintain gunner's control grip assembly.	—	—
a. Adjust emergency mode.		
b. Adjust normal mode.		
8. Perform troubleshooting malfunction of auxiliary hydraulic subsystem.	—	—
9. Perform troubleshooting fault of gun azimuth (traverse) subsystem.	—	—
10. Replace and charge main hydraulic accumulator.	—	—
11. Replace and charge manual hydraulic accumulator.	—	—
12. Perform a final operational check to verify that the traversing system malfunction is corrected to specification.	—	—
13. Annotate corrective action taken on DA Form 5988-E.	—	—
14. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-1000-202-14
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1

Related

- SC 4910-95-A74
- SC 5180-95-A12

References

Required

TM 9-2350-264-20-2-2
TM 9-2350-264-20-2-3
TM 9-2350-264-20-2-4
TM 9-2350-264-24-2
TM 9-243
TVT 9-160

Related

**Correct Malfunction of Elevating Systems
091-63A-2022**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; safety equipment; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of elevating systems IAW applicable technical publications. When this task is completed, the equipment or end item was fully-mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the elevating system component(s).	—	—
5. Replace hydraulic turret valve.	—	—
a. Torque Turret valve to specification.		
b. Lock in place all four electrical connectors.		
c. Tighten all hydraulic hoses and tubes a half turn past the point of firm resistance.		
6. Replace elevation servo mechanism fluid filter.	—	—
7. Bleed air from hydraulic system.	—	—
8. Prime the manual elevation hand pump assembly.	—	—
9. Bleed air from the manual elevation hand pump assembly.	—	—
10. Adjust the zero degree elevation switch.	—	—
11. Perform troubleshooting malfunction of gun elevation subsystem.	—	—
12. Replace and charge main hydraulic accumulator.	—	—
13. Replace and charge manual hydraulic accumulator.	—	—
14. Perform a final operational test to verify that the elevating system malfunction is corrected to specification.	—	—
15. Annotate corrective actions taken on the DA Form 5988-E.	—	—
16. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

LO 9-2350-264-12
 TM 9-1000-202-14
 TM 9-2350-264-10-1

Related

SC 4910-95-A74
 SC 5180-95-A12

References

Required

TM 9-2350-264-20-2-1
TM 9-2350-264-20-2-2
TM 9-2350-264-20-2-3
TM 9-2350-264-20-2-4
TM 9-2350-264-24-2
TM 9-243

Related

**Correct Malfunction of Hydraulic Systems
091-63A-2023**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; safety equipment; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of hydraulic systems IAW applicable TM. When this task is completed, the equipment or end item was fully mission- capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect hydraulic system components.	—	—
5. Replace turret valve.	—	—
6. Replace elevation servo mechanism fluid filter.	—	—
7. Bleed air from hydraulic system.	—	—
8. Prime the manual elevation hand pump assembly.	—	—
9. Bleed air from the manual elevation hand pump.	—	—
10. Perform a final operational test to verify hydraulic systems malfunction is corrected to specification.	—	—
11. Replace and charge main hydraulic accumulator.	—	—
12. Replace and charge manual hydraulic accumulator.	—	—
13. Annotate corrective actions taken on DA Form 5988-E.	—	—
14. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- SC 4910-95-A74
- SC 5180-95-A12

**Correct Malfunction of Sighting and Fire Control Systems
091-63A-2024**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; safety equipment; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of sighting and fire control systems IAW applicable TM. When this task is completed, the equipment or end item is fully mission-capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect sighting and fire control systems.	—	—
5. Replace commander's gunner's primary sight (GPS) extension.	—	—
6. Service commander's GPS extension.	—	—
7. Replace commander's weapon station (CWS) sight.	—	—
8. Replace GPS body assembly.	—	—
9. Service GPS.	—	—
10. Replace lower panel assembly.	—	—
11. Perform a final operational test to verify sighting and fire control systems malfunction is correct to specification.	—	—
12. Annotate corrective actions taken on the DA Form 5988-E.	—	—
13. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- SC 4910-95-A74
- SC 5180-95-A12

**Correct Malfunction of NBC Systems
091-63A-2025**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; safety equipment; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of NBC system IAW applicable technical publications. When this task is completed, the equipment or end item is fully mission-capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect NBC system component(s).	—	—
5. Replace precleaner and gas particulate filter assembly.	—	—
6. Replace gas filter.	—	—
7. Perform a final operational test to verify NBC systems malfunction was corrected to specification.	—	—
8. Annotate corrective actions taken on DA Form 5988-E.	—	—
9. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO-GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- SC 4910-95-A74
- SC 5180-95-A12

**Correct Malfunction of Breech Mechanism
091-63A-2026**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain the breech mechanism on M-1 series vehicles and replace or repair it's components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Use applicable publications.	—	—
2. Select proper tools and TMDE.	—	—
3. Inspect/test equipment.	—	—
4. Repair/replace components.	—	—
5. Perform an operational check of the system.	—	—
6. Prepare and filled out all appropriate TAMMS forms.	—	—
7. Perform required PMCS.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- SC 5180-95-A12
- TM 9-1000-202-14
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-243

Related

- SC 4910-95-A74

**Perform Scheduled Services on M1 Abrams Tank Turret
091-63A-2027**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; safety equipment; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform scheduled services on M1 Abrams tank turret IAW applicable technical publications. When this task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Perform unit PMCS on the M1 Abrams tank turret.	—	—
5. Annotate corrective actions taken on DA Form 5988-E.	—	—
6. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- SC 4910-95-A74
- SC 5180-95-A12

**Correct Malfunction of the Turret Electrical System
091-63A-2028**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; safety equipment; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the turret electrical system IAW applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the turret electrical system component(s).	—	—
5. Read M1A1 wiring diagrams.	—	—
6. Replace turret networks box (TNB).	—	—
7. Perform TNB check.	—	—
8. Perform troubleshooting of turret electrical system.	—	—
9. Perform troubleshooting of circuit breaker monitor subsystem.	—	—
10. Perform troubleshooting of turret panel lights and dome lights subsystems.	—	—
11. Perform a final operational test to verify turret electrical system malfunction(s) is corrected to specification.	—	—
12. Annotate corrective actions taken on DA Form 5988-E.	—	—
13. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- SC 4910-95-A74
- SC 5180-95-A12

**Correct Malfunction of the Electrical Circuits
091-63A-2029**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; safety equipment; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of electrical firing systems IAW applicable technical publications. When this task is completed, the equipment or end item is fully mission-capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect electrical firing system components.	—	—
5. Perform turret networks box (TNB) check and replace, if necessary.	—	—
6. Adjust main gun safety switch.	—	—
7. Perform firing circuits check on main gun safety switch.	—	—
8. Perform troubleshooting of vehicle/turret power control subsystem.	—	—
9. Perform troubleshooting of firing circuits subsystem.	—	—
10. Perform troubleshooting of turret circuit breaker monitor subsystem.	—	—
11. Perform troubleshooting of turret panel lights and dome light subsystems.	—	—
12. Perform troubleshooting of commander's weapon station (CWS) firing circuit.	—	—
13. Perform troubleshooting of fire control system.	—	—
14. Perform a final operational test to verify electrical firing systems malfunction is corrected to specification.	—	—
15. Annotate corrective actions taken on DA Form 5988-E.	—	—
16. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2

Related

- SC 4910-95-A74
- SC 5180-95-A12

**Replace Traverse Motor Brake, Servo, and Manual Drive Assemblies
091-63A-2030**

Conditions: In a field or garrison environment, given a M1 series Abrams tank, BOB, multimeter, STE-M1/FVS, artillery and turret mechanic's tool kit, special tools, M1 support tool kit, armament shop set, additional tools, TMDE, equipment specified in TMs, and applicable maintenance forms and technical publications.

Standards: Correct malfunction of the traverse motor brake, servo, and manual drive assembly's IAW applicable technical publications. When this task is completed, the equipment or end item is fully mission capable, or required maintenance actions performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task was within shop capability/authorization.	—	—
3. Ensure applicable technical publications were available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to be inspected, repaired/replaced, and test the manual drive assemblies.	—	—
5. Perform troubleshooting procedures.	—	—
6. Diagnose fault(s) and determined maintenance action is performed.	—	—
7. Identify repair parts and requisitioned, if required.	—	—
8. Ensure all safety precautions and procedures are followed.	—	—
9. Remove traverse motor brake, servo, and manual drive assembly.	—	—
10. Install traverse motor brake , servo, and manual drive assembly.	—	—
11. Critique personnel on their job performance.	—	—
12. Ensure maintenance forms are completed, as required.	—	—
13. Ensure tools, equipment, and TMDE are properly maintained .	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24P-2
- TM 9-2350-264-34-2-1
- TM 9-2350-264-34-2-2
- TM 9-4910-751-14&P

Related

- DA PAM 738-750
- SC 5180-95-A12

**Replace Elevation Servo Assembly
091-63A-2031**

Conditions: In a field or garrison environment, given M1 series Abrams tank, BOB, multimeter, STE-M1/FVS, artillery and turret mechanic's tool kit, special tools, M1 support tool kit, armament shop set, additional tools, TMDE, equipment specified in TMs, and applicable maintenance forms and technical publications.

Standards: Correct malfunction of the elevation servo assembly. When this task is completed, the equipment or end item is fully mission-capable, or required maintenance actions to be performed by other than 63A SL 1/2 personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available and inspected, repaired/replaced, and test the elevation servo assembly.	—	—
5. Perform troubleshooting procedures.	—	—
6. Diagnose fault(s) and determined maintenance action to be performed.	—	—
7. Identify repair parts and requisitioned, if required.	—	—
8. Ensure all safety precautions and procedures are followed.	—	—
9. Remove elevation servo assembly.	—	—
10. Perform an inspection to ensure the elevation servo is fully mission-capable.	—	—
11. Install the elevation servo.	—	—
12. Ensure maintenance forms are completed, as required.	—	—
13. Ensure tools, equipment, and TMDE are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-24P-2
- TM 9-2350-264-34-2-1
- TM 9-2350-264-34-2-2
- TM 9-4910-751-14&P

Related

- DA PAM 738-750
- SC 4933-95-A12
- SC 5180-95-A12

Subject Area 3: RECOVERY (ASI-H8 ONLY)

Locate a Recovery Site
091-H8C-2001

Conditions: In a classroom/field environment, given assistance, a military map 1:50,000 scale, protractor, straight edge and FM 21-26.

Standards: Locate a recovery site to within 10 meters and identify primary and alternate recovery routes determining distance for both with no greater than a 10% error.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected/used applicable publications.	—	—
2. Identified terrain features.	—	—
3. Identified map symbols and colors.	—	—
4. Located site using military grid reference system.	—	—
5. Calculated distance.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required
FM 21-26
FM 21-31

Related
TC 43-35

**Determine Recovery Methods
091-H8C-2002**

Conditions: In a classroom and field environment, given FM 9-43-2, FM 5-125, Rigging Card, pencil and paper, snatch blocks, wire ropes and cables.

Standards: Determine Recovery Methods, source of effort and mechanical advantage needed IAW references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Reconnoitered area.	—	—
3. Estimated situation.	—	—
4. Calculated ratios.	—	—
5. Obtained resistance.	—	—
6. Verified solution.	—	—
7. Erected rigging.	—	—
8. Rechecked rigging.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required
 FM 5-125
 FM 9-43-2
 TC 43-35

Related

**Operate Tactical Communications Equipment
091-H8C-2003**

Conditions: In a classroom/field environment given an FM radio, M88A1 or M88A2 recovery vehicle, TM 11-5820-890-10-3, TM 9-2350-256-10, TM 9-2350-292-10, FM 24-35, and training SOI/DRYAD.

Standards: The soldier will state the procedures to install, operate, use correct radio procedures for clear concise and secure communication IAW the appropriate publications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected/used applicable publications.	—	—
2. Prepared communication equipment for operation.	—	—
3. Send tactical communications.	—	—
4. Receive tactical communications.	—	—
5. Shut down tactical communication operation.	—	—
6. Followed prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 24-35
TM 11-5820-890-10-3

Related

FM 24-18
TC 43-35
TM 11-5820-401-10-1
TM 11-5820-401-10-2
TM 11-5820-401-10-4
TM 11-5830-340-12

**Operate Metal Cutting Equipment
091-H8C-2004**

Conditions: In a classroom/shop environment with assistance, given oxyacetylene equipment, tools, safety equipment, and applicable references.

Standards: Set up the oxyacetylene equipment, cut metal, and practice shop safety IAW the procedures in the applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected/used applicable publications.	—	—
2. Determined the method to cut metal.	—	—
3. Prepared metal cutting equipment as required.	—	—
4. Cut metal.	—	—
5. Secured metal cutting equipment.	—	—
6. Followed prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

**References
Required**
TC 9-237

Related
AR 385-10
AR 750-1
DA PAM 738-750
TC 43-35
TM 9-243

**Maintain Recovery Vehicle Weapons
091-H8T-2001**

Conditions: In a classroom and shop environment, given an M88 series vehicle general mechanic tool Kit, DA Form 2404/5988E, references, and applicable BII.

Standards: Maintain the M88 series vehicle weapons in accordance with the Preventive Maintenance Checks and Services table, procedures and specifications of the applicable technical manual.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Use proper safety methods.	—	—
3. Disassemble machine gun.	—	—
4. Check for broken or missing parts.	—	—
5. Ensure all parts are clean and lubricated.	—	—
6. Assemble machine gun.	—	—
7. Set head-space and timing.	—	—
8. Inspect machine gun mount for missing, cracked, or broken parts.	—	—
9. Ensure launcher tubes are free of rust, dirt, and corrosion.	—	—
10. Ensure that grenade launcher wiring harness connectors are connected.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

- Required**
- AR 385-10
- AR 750-1

Related

**Perform Preventive Maintenance Checks and Services on Tracked Recovery Vehicle
091-H8T-2002**

Conditions: In a classroom and shop environment, given an M88 series vehicle general mechanic tool kit, duocheck meter/battery hydrometer, DA Form 2404/5988, 0-600 foot pound torque wrench, and references (TM 9-2350-256-10 or TM 9-2350-292-10).

Standards: Inspect the M88 series vehicle in accordance with the Preventive Maintenance Checks and Services table of the applicable technical manual, and record deficiencies on DA Form 2404/5988-E IAW with DA Pam 738-750.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Describe operation of vehicle systems/subsystems.	—	—
4. Determine readiness of system components.	—	—
5. Identify deficiencies and shortcomings.	—	—
6. Correct shortcomings identified as operator maintenance.	—	—
7. Follow prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References	
Required	Related
TM 9-2350-256-10	
TM 9-2350-256-20	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	
TM 9-2350-292-10	

**Use Basic Issue Items Related to Tracked Recovery Vehicle
091-H8T-2003**

Conditions: In a classroom and motor pool, given a M88A1 or M88A2 Track Recovery Vehicle, TM 9 2350-256-10 or TM 9-2350-292-10, cleaning supplies, general mechanics tool kit and DA Form 2404/5988E.

Standards: Remove, clean and store the recovery related COEI and selected BII IAW the procedures in TM 9-2350-256-10 and TM 9-2350-292-10.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Inventory and determine serviceability of BII.	—	—
3. Repair BII as required.	—	—
4. Replace BII as required.	—	—
5. Use BII as required.	—	—
6. Service BII as required	—	—
7. Properly store BII.	—	—
8. Follow prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- FM 9-43-2
- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2
- TM 9-2350-292-10

Related

- DA FORM 2404
- DA FORM 5988-E

**Drive Tracked Recovery Vehicle
091-H8T-2004**

Conditions: Given an M88A1 w/BII and COEI, TM 9-2350-256-10, DA Form 5988-E, designated obstacle course in a field environment.

Standards: Negotiate obstacles in forward and reverse gears without stalling, jerking, getting stuck, or causing damage to the vehicle while obeying all safety procedures, traffic regulations and hand signals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Perform PMCS.	—	—
3. Start engine.	—	—
4. Place vehicle in motion.	—	—
5. Drive vehicle, maintaining proper engine speed when descending and ascending grades.	—	—
6. Drive vehicle in reverse.	—	—
7. Stop vehicle.	—	—
8. Park vehicle.	—	—
9. Stop engine (normal and emergency procedures).	—	—
10. Complete TAMMS forms as required.	—	—
11. Follow prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

TM 9-2350-256-10
TM 9-2350-256-20

Related

DA FORM 5988-E

**Operate Auxiliary Power Unit
091-H8T-2005**

Conditions: In a classroom and shop environment with supervision, an M88A1 or M88A2 recovery vehicle, required safety equipment, appropriate BII, and TM 9-2350-256-10 or TM 9-2350-292-10.

Standards: Operate the APU and BII powered by the APU In accordance with the procedures in TM 9-2350-256-10 and TM 9-2350-292-10 without damage to the equipment.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Start APU.	—	—
3. Actuate generator switch to charge batteries.	—	—
4. Engage hydraulic control levers to start refuel / defuel pump.	—	—
5. Connect and operate hydraulic equipment.	—	—
6. Shut down APU.	—	—
7. Follow prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-292-10

Related

- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2
- TM 9-2350-256-34-1
- TM 9-2350-256-34-2

**Operate the Boom and Hoist Winch on a Tracked Recovery Vehicle
091-H8T-2006**

Conditions: In a classroom and motorpool environment. Given an M88A1 or M88A2 tracked recovery vehicle, DA Form 5988-E, DA Form 2404, TM 9-2350-256-10 or TM 9-2350-292-10 and supervision.

Standards: Rig and operate the Boom on the M88A1/M88A2 track recovery vehicle IAW the procedures in TM 9-2350-256-10 or TM 9-2350-292-10.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select / use applicable publications.	—	—
2. Prepare vehicle for use of hydraulic equipment.	—	—
3. Operate boom.	—	—
4. Operate hoist winch.	—	—
5. Secure hydraulic equipment as required.	—	—
6. Follow prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-256-34-2

Related

- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2
- TM 9-2350-256-34-1
- TM 9-2350-292-10

**Operate the Spade on a Tracked Recovery Vehicle
091-H8T-2007**

Conditions: Perform task with assistance and supervision, given recovery vehicle with BII, required safety equipment, and appropriate publications.

Standards: The spade must be operated IAW the applicable technical publications' procedures and specifications without injury to personnel or damage to equipment. When this task is completed, the vehicle must be fully mission capable, or maintenance actions required to be performed by other than H8 SL 1/2 personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Prepare vehicle for use of hydraulic equipment.	—	—
3. Operate spade.	—	—
4. Secure hydraulic equipment as required.	—	—
5. Follow prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2
- TM 9-2350-292-10

Related

**Operate the Witches on a Tracked Recovery Vehicle
091-H8T-2008**

Conditions: In a classroom and field environment, with assistance and supervision, given and M88A1 or M88A2 tracked recovery vehicle with BII, required safety equipment, and TM 9-2350-256-10 or TM 9-2350-292-10.

Standards: Operate the main winch and auxiliary winch IAW the procedures in TM 9-2350-256-10 and TM 9-2350-292-10 without causing damage to the equipment or injury to personnel.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Prepare vehicle for use hydraulic equipment.	—	—
3. Operate main winch.	—	—
4. Secure hydraulic equipment as required.	—	—
5. Follow prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2
- TM 9-2350-256-34-1
- TM 9-2350-256-34-2
- TM 9-2350-292-10

Related

**Recover a Mired Tracked Vehicle
091-H8T-2009**

Conditions: In a control field environment given a recovery vehicle (M88A1 or M88A2) with BII, mired track vehicle, and applicable references.

Standards: Task must be accomplished IAW applicable technical publication's procedures and specifications. All safety precautions must be observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Determine method of rigging.	—	—
3. Attach cables to the mired vehicle.	—	—
4. Prepare recovery vehicle for recovery operations.	—	—
5. Establish communication between vehicles.	—	—
6. Recover mired vehicle, ensuring that all safety practices are followed.	—	—
7. Secure recovery equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20

Related

- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2
- TM 9-2350-256-34-1
- TM 9-2350-256-34-2

**Recover an Overturned Tracked Vehicle
091-H8T-2010**

Conditions: In a control field environment perform task with assistance and supervision, given applicable recovery vehicle and an overturned tracked vehicle, required safety equipment, appropriate BII, other required hardware, and applicable publications.

Standards: The vehicle must be recovered from the overturned position IAW applicable technical publications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Position recovery vehicle.	—	—
3. Attach cables to the overturned vehicle.	—	—
4. Prepare recovery vehicle for recovery operations.	—	—
5. Establish communication with ground guide.	—	—
6. Recover overturned vehicle, ensuring that all safety practices are followed.	—	—
7. Secure recovery equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20

Related

- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2
- TM 9-2350-256-34-1
- TM 9-2350-256-34-2

Lift and Tow a Disabled Vehicle
091-H8T-2011

Conditions: In a field or garrison given a M88A1 recovery vehicle, required materials, general mechanic tool kit and applicable technical manual(s).

Standards: Lift and tow a disabled vehicle IAW applicable technical publications, procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and used applicable publications.	—	—
2. Determine method for towing.	—	—
3. Prepare vehicle for towing.	—	—
4. Hook up vehicle for towing.	—	—
5. Follow prescribed safety procedures.	—	—
6. Establish communication between vehicles.	—	—
7. Tow vehicle to predetermined site.	—	—
8. Disconnect vehicle.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- FM 5-125
- FM 9-43-2
- TM 9-2350-256-10

Related

**Cross Country Tow of a Tracked Vehicle
091-H8T-2012**

Conditions: In a field or garrison given a M88A1 recovery vehicle, required materials, general mechanic tool kit and applicable technical manual(s).

Standards: Tow a disabled vehicle to a predetermined location without causing damage to the equipment or injury to personnel IAW applicable publications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Follow prescribed safety procedures.	—	—
3. Position recovery vehicle.	—	—
4. Prepare vehicle for towing.	—	—
5. Prepare recovery vehicle for towing operation.	—	—
6. Attach towing bar to disabled vehicle.	—	—
7. Operate boom.	—	—
8. Tow disabled vehicle.	—	—
9. Disconnect towed vehicle.	—	—
10. Secure recovery equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

- Required**
- FM 5-125
- FM 9-43-2
- TM 9-2350-256-10

Related

**Perform Field Expedient Recovery on a Tracked Vehicle
091-H8T-2013**

Conditions: In a control field environment, perform task with assistance and supervision, given applicable recovery vehicle, required safety equipment, appropriate BII, other required hardware, and applicable publications.

Standards: The vehicle must be recovered using self/field expedient procedures IAW applicable technical publications

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Determine method of field expedient recovery.	—	—
3. Prepare vehicle for field expedient recovery, as required.	—	—
4. Perform vehicle field expedient recovery.	—	—
5. Secure recovery equipment.	—	—
6. Follow prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps were passed. Score the soldier NO GO if any step was failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References
Required
 FM 9-43-2

Related

Subject Area 4: M1A2/SEP TASKS (ASI-K4 ONLY)

**Contact Test Set (CTS) III Familiarization
091-AK4-0049**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: The contact test set must be maintained and it's components replaced or repaired IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-6625-2301-12	

Download/Verify Vehicle Software
091-AK4-0050

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: The M1A2 vehicle software must be maintained and it's components replaced or repaired IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References	Related
Required	
TM 9-2350-288-10-1	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	

**Replace Fire Extinguisher Responder for the Under Armor Auxiliary Power Unit (UAAPU) (SEP)
091-AK4-0051**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: The fire extinguisher responder for the under armor auxiliary power unit must be maintained and it's components replaced or repaired IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-1-1
- TM 9-2350-388-20-1-2
- TM 9-2350-388-20-1-3
- TM 9-2350-388-20-1-4
- TM 9-2350-388-20-1-5

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

**Replace Fire Extinguisher Bottle and Valve For The Under Armor Auxiliary Power Unit (UAAPU)
(SEP)**

091-AK4-0052

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: The fire extinguisher bottle and valve for the under armor auxiliary power unit must be maintained and its components replaced or repaired IAW the applicable Technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-1-1
- TM 9-2350-388-20-1-2
- TM 9-2350-388-20-1-3
- TM 9-2350-388-20-1-4
- TM 9-2350-388-20-1-5

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

**Perform Fire Suppression System Test
091-AK4-0053**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Perform fire suppression system test IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill Level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

- TM 9-2350-288-10-1

**Familiarization of the Fire Suppression System
091-AK4-0054**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the fire suppression system IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

**Familiarization of the Vehicular Information System (IVIS)
091-AK4-0055**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the vehicular information system IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

- TM 9-2350-288-10-1

Operate the Vehicular Information System (IVIS)

091-AK4-0056

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Operate the vehicular information system IAW the applicable Technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

- TM 9-2350-288-10-1

**Troubleshoot Faulty Hull/Turret Electronics Unit (HTEU)
091-AK4-0057**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty hull/turret electronics unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-1
- TM 9-2350-288-24-2

**Troubleshoot Faulty Hull Mission Processor Unit (HMPU) (SEP)
091-AK4-0058**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty hull mission processor unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and Skill Level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-1-1
- TM 9-2350-388-20-1-2
- TM 9-2350-388-20-1-3
- TM 9-2350-388-20-1-4
- TM 9-2350-388-20-1-5

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Troubleshoot Faulty Turret Mission Processor Unit (TMPU) (SEP)
091-AK4-0059

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty turret mission processor unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

Troubleshoot Faulty Commanders Display Unit (CDU) (SEP)
091-AK4-0060

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty commanders display unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Troubleshoot Faulty Gunners Control Electronics Unit (GCDP)
091-AK4-0061**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty gunners control electronics unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and Skill Level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

**Troubleshoot Faulty Fire Control Electronics Unit (FCEU)
091-AK4-0062**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty fire control electronics unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

**Troubleshoot Faulty Mass Memory Unit (MMU)
091-AK4-0063**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty mass memory unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Troubleshoot Faulty Commanders Electronic Unit (CEU)
091-AK4-0064**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty commander's electronic unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Troubleshoot Faulty Radio Interface Unit (RIU)
091-AK4-0065**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty radio interface unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

**Troubleshoot Faulty Commander's Independent Thermal Viewer/ Electronics Unit (CITV/EU)
091-AK4-0066**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty commander's independent thermal viewer/ electronics unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

**Troubleshoot Faulty Commander's Independent Thermal Viewer (CITV)
091-AK4-0067**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty commander's independent thermal viewer IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

Troubleshoot Faulty Commander's Integrated Display (CID)

091-AK4-0068

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty commander's integrated display IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

**Troubleshoot Faulty Commander's Control Handle Assembly (CCHA)
091-AK4-0069**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty commander's control handle assembly IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

**Troubleshoot Faulty Data/Utility Bus Couplers
091-AK4-0070**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty data/utility bus couplers IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

**Familiarization on M1A2 and M1A2 SEP Unique Components
091-AK4-0071**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization on M1A2 and M1A2 SEP unique components IAW the applicable Technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

**Familiarization of Setting Way Points on the Position/Navigation System (POS/NAV)
091-AK4-0072**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of setting way points on the position/navigation system IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1

**Perform the Setting of Way Points using the Position/Navigation System (POS/NAV)
091-AK4-0073**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Perform the setting of way points using the position/navigation system (POS/NAV) IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1

Troubleshoot the Position/Navigation System (POS/NAV) using Built in Test (BIT) and Fault Isolation Test (FIT)

091-AK4-0074

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot the position/navigation system (POS/NAV) using built in test (BIT) and fault isolation test (FIT) IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and Skill Level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1

**Troubleshoot Circuit Breaker Tripped Message on the Soldier Machine Interface (SMI)
091-AK4-0075**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot circuit breaker tripped message on the soldier machine interface IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1

**Familiarization of the Second Generation Common Electronics Unit (SGCEU) (SEP)
091-AK4-0076**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the second generation common electronics unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and Skill Level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Replace the Thermal Imaging Unit (TIS) Second Generation Common Electronics Unit (SGCEU)
(SEP)**

091-AK4-0077

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Replace the thermal imaging unit second generation common electronics unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and Skill Level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Familiarization of Plumb and Synchronization
091-AK4-0078**

Conditions: In a field or garrison environment, given a maintenance request and an equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of plumb and synchronization IAW the applicable Technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

**Perform Plumb and Synchronization Procedures
091-AK4-0079**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Perform plumb and synchronization procedures IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-2

**Troubleshoot Faulty Hull Power Distribution Unit (HPDU)
091-AK4-0080**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty hull power distribution unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-1

**Troubleshoot Faulty Remote Switching Module
091-AK4-0081**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty remote switching module IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1

**Troubleshoot Faulty Remote Switching Module #6 (SEP)
091-AK4-0082**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty remote switching module #6 IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-1-1
- TM 9-2350-388-20-1-2
- TM 9-2350-388-20-1-3
- TM 9-2350-388-20-1-4
- TM 9-2350-388-20-1-5
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5
- TM 9-2350-288-24-1

**Troubleshoot Faulty Analog Input Module (AIM)
091-AK4-0083**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty analog input module IAW the applicable Technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-1
- TM 9-2350-288-24-2

**Troubleshoot Faulty Master and Turret Power
091-AK4-0084**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty master and turret power IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-1
- TM 9-2350-288-24-2

**Familiarization of the Power Distribution System
091-AK4-0085**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the power distribution system IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-1

Familiarization of the Driver's Integrated Display (DID)

091-AK4-0086

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the driver's integrated display IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-1

**Troubleshoot Faulty Driver's Integrated Display (DID)
091-AK4-0087**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty driver's integrated display IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-1

**Troubleshoot Faulty Driver's Integrated Display (DID) Backup Functions
091-AK4-0088**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot faulty driver's integrated display backup functions IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-24-1

**Familiarization of the Global Positioning System (GPS) (SEP)
091-AK4-0089**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the global positioning system IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Perform Functional Checkout Procedures of the Global Positioning System (GPS) (SEP)
091-AK4-0090**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Perform functional checkout procedures of the global positioning system IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Replace Global Positioning System (GPS) Antenna (SEP)
091-AK4-0091**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Replace global positioning system antenna IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Familiarization of the Second Generation Forward Looking Infrared (FLIR) (SEP)
091-AK4-0092**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the second generation forward looking infrared IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

Replace Commander's Independent Thermal Viewer (CITV) Second Generation Servo Electronics Unit (SGSEU) (SEP)
091-AK4-0093

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Replace commander's independent thermal viewer second generation servo electronics unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Replace the Second Generation Thermal Receiver Unit (SGTRU) (SEP)
091-AK4-0094**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Replace the second generation thermal receiver unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Replace the Biocular Image Control Unit (BICU) (SEP)
091-AK4-0095**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Replace the biocular image control unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Maintain Commander's Independent Thermal (SEP)
091-AK4-0096**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain commander's independent thermal IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Familiarization of the Second Generation Thermal Imaging System (TIS) (SEP)
091-AK4-0097**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the second generation thermal imaging system IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

Familiarization of the Thermal Management System (TM'S) (SEP)
091-AK4-0098

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the thermal management system IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Replace Vapor Compression System of the Under Armor Auxiliary Power Unit (UAAPU) (SEP)
091-AK4-0099**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Replace vapor compression system of the under armor auxiliary power unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-2-1
- TM 9-2350-388-20-2-2
- TM 9-2350-388-20-2-3
- TM 9-2350-388-20-2-4
- TM 9-2350-388-24-2

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-2-1
- TM 9-2350-288-20-2-2
- TM 9-2350-288-20-2-3
- TM 9-2350-288-20-2-4
- TM 9-2350-288-24-2

**Familiarization of the Under Armor Auxiliary Power Unit (UAAPU) (SEP)
091-AK4-0100**

Conditions: In a field or garrison Environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: The M1A2 CITV shield must be maintained and it's components replaced or repaired IAW the applicable Technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-1-1
- TM 9-2350-388-20-1-2
- TM 9-2350-388-20-1-3
- TM 9-2350-388-20-1-4
- TM 9-2350-388-20-1-5
- TM 9-2350-388-24-1

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5
- TM 9-2350-288-24-1

**Familiarization of the Under Armor Auxiliary Power Unit (UAAPU) (SEP)
091-AK4-0101**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Familiarization of the under armor auxiliary power unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-1-1
- TM 9-2350-388-20-1-2
- TM 9-2350-388-20-1-3
- TM 9-2350-388-20-1-4
- TM 9-2350-388-20-1-5
- TM 9-2350-388-24-1

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5
- TM 9-2350-288-24-1

**Replace Under Armor Auxiliary Power Unit (UAAPU) (SEP)
091-AK4-0102**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Replace under armor auxiliary power unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-1-1
- TM 9-2350-388-20-1-2
- TM 9-2350-388-20-1-3
- TM 9-2350-388-20-1-4
- TM 9-2350-388-20-1-5
- TM 9-2350-388-24-1

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5
- TM 9-2350-288-24-1

Troubleshoot the Under Armor Auxiliary Power Unit (UAAPU) (SEP)
091-AK4-0103

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Troubleshoot the under armor auxiliary power unit IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than 63A personnel must be identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use proper tools/TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Describe how systems/components operate and function.	—	—
5. Inspect systems/components.	—	—
6. Troubleshoot systems/components.	—	—
7. Replace defective component(s).	—	—
8. Repair defective component(s).	—	—
9. Adjust systems/components.	—	—
10. Perform required PMCS.	—	—
11. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-388-10-1
- TM 9-2350-388-20-1-1
- TM 9-2350-388-20-1-2
- TM 9-2350-388-20-1-3
- TM 9-2350-388-20-1-4
- TM 9-2350-388-20-1-5
- TM 9-2350-388-24-1

Related

- TM 9-2350-288-10-1
- TM 9-2350-288-20-1-1
- TM 9-2350-288-20-1-2
- TM 9-2350-288-20-1-3
- TM 9-2350-288-20-1-4
- TM 9-2350-288-20-1-5
- TM 9-2350-288-24-1

Skill Level 3

Subject Area 5: COMMON LOGISTIC TASKS (SKILL LEVEL 3)

Manage a Shop Safety Program

091-CLT-3001

Conditions: In a field or garrison environment, given a maintenance site/facility, maintenance personnel, and applicable references.

Standards: Ensured personnel followed all safety procedures, that preventable accidents were avoided, and if accidents occurred that they were properly recorded and reported, IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured all safety references were on hand.	—	—
2. Established and documented goals and requirements for a successful shop safety and accident prevention program.	—	—
3. Briefed and regularly updated subordinates on shop safety program.	—	—
4. Conducted initial safety inspections.	—	—
5. Ensured initial safety concerns and violations were corrected.	—	—
6. Conducted scheduled and unscheduled safety inspections.	—	—
7. Documented safety violations, reported the violations as required, and conducted follow-up inspections to ensure violations were/remained corrected.	—	—
8. Kept necessary records of safety inspections and accident reports.	—	—
9. Ensured MSDS were prepared and maintained as required in applicable work areas.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- AR 190-13
- AR 220-1
- AR 700-138
- AR 750-1
- DA PAM 738-750
- FM 4-30.3 (FM 9-43-1)
- TB 43-180

Related

- AR 385-10
- AR 385-40
- AR 385-55

**Maintain a Publications Library
091-CLT-3002**

Conditions: In a field or garrison environment, given publications and storage location, local and higher headquarters publication indexes and publications procedures, SOP, and applicable forms and references.

Standards: Ensured required publications were on hand or ordered, publications were arranged and maintained properly, forms/records were properly maintained, and changes were posted IAW applicable references and local procedures.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Determined all publications required by the maintenance shop or section.	—	—
2. Reviewed and updated publications library SOP as needed.	—	—
3. Ensured that technical publications on hand/on order were the most current IAW DA Pam 25-30.	—	—
4. Ensured that doctrinal, training, and organizational publications on hand/on order were the most current IAW DA Pam 25-30 and local listings.	—	—
5. Ensured that administrative publications on hand/on order were the most current IAW DA Pam 25-30.	—	—
6. Ensured that local and higher headquarters publications on hand/on order were the most current IAW DA Pam 25-30 and local listings.	—	—
7. Prepared DA Form 4569 IAW DA Pam 25-33.	—	—
8. Prepared the required transmittal form IAW DA Pam 25-33.	—	—
9. Prepared DA Forms 17 and 17-1 to request local and higher headquarters publications, IAW DA Pam 25-33 and local/higher headquarters' publications requisitioning procedures.	—	—
10. Ensured that published changes were posted to applicable publications IAW DA PAM 25-40 and publication change instructions.	—	—
11. Removed obsolete/rescinded/superseded publications from library IAW DA Pam 25-40 and publication change instructions.	—	—
12. Arranged publications in proper order and in a suitable location IAW DA Pam 25-40.	—	—
13. Labeled binders used for storing library publications IAW AR 25-400-2 applicable) and DA Pam 25-40.	—	—
14. Notified personnel to return loaned publications to the library in a timely manner IAW SOP.	—	—
15. Updated US Army Publishing Agency (USAPA), local, and higher headquarters publications accounts as required IAW DA Pam 25-33 and local/higher headquarters publication account instructions.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

AR 25-400-2
DA PAM 25-30
DA PAM 25-33

Related

AR 25-11

**Establish Maintenance Facilities
091-CLT-3003**

Conditions: In a field or garrison environment, given a maintenance site, maintenance personnel, applicable equipment, maintenance shop/section SOP, and applicable references.

Standards: Set up a maintenance shop facility suitable for accomplishing necessary maintenance functions IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured applicable references and publications were available.	—	—
2. Identified commander's maintenance requirements for the accomplishment of the unit's mission.	—	—
3. Set up the maintenance facility IAW SOP.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 4-30.3 (FM 9-43-1)

Related

**Assist in Preparing a Standing Operating Procedure
091-CLT-3004**

Conditions: In a field or garrison environment, given FM 9-43-1, higher headquarters SOP(s), and commander's guidance.

Standards: Prepared a draft copy of a maintenance shop/section internal or external SOP for supervisor's review, comment, and approval IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured applicable publications were available.	—	—
2. Ensured unit policies and commander's guidance were followed.	—	—
3. Ensured shop operation policies were adequately addressed.	—	—
4. Updated the shop SOP as required.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required	Related
FM 4-30.3 (FM 9-43-1)	

**Manage Tool Control Procedures
091-CLT-3005**

Conditions: In a field or garrison environment, given applicable supply catalog(s), applicable references, and hand receipt forms.

Standards: Managed tool control procedures IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured applicable references were available.	—	—
2. Established policies and procedures for the control of tools.	—	—
3. Ensured all DA Form 2062s were properly filled out and updated.	—	—
4. Ensured tools and equipment were inventoried IAW applicable references.	—	—
5. Ensured tool shortages were annotated on a shortage annex.	—	—
6. Ensured subordinates applied property accountability procedures.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- AR 190-13
- AR 220-1
- AR 385-10
- AR 385-40
- AR 700-138
- AR 750-1
- DA PAM 710-2-1
- FM 101-5-1
- FM 4-30.3 (FM 9-43-1)

Related

- DA PAM 738-750

**Manage Key Control Procedures
091-CLT-3006**

Conditions: In a field or garrison environment, given keys, key control rosters, key boxes/cabinets, and applicable publications.

Standards: Managed key control procedures IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary publications were available.	—	—
2. Established key control policies and procedures.	—	—
3. Established key control access rosters.	—	—
4. Ensured personnel were aware of their responsibilities for the security and accountability of keys.	—	—
5. Ensured key control access rosters were properly maintained and adhered to.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required
AR 190-13
AR 190-51

Related

**Manage the TMDE Calibration Program
091-CLT-3007**

Conditions: In a field or garrison environment, given TMDE, maintenance personnel, and applicable references.

Standards: Managed the TMDE calibration program IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary publications were available.	—	—
2. Reviewed and updated TMDE computer printout list.	—	—
3. Ensured PMCS and inventory of all TMDE and auxiliary equipment are conducted, as required.	—	—
4. Ensured TMDE was turned in for calibration IAW computer printouts.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

- Required**
- AR 750-43
- TB 43-180

Related

**Recon Terrain/Route
091-CLT-3008**

Conditions: In a field environment, given a maintenance situation/operations order (OPORD), operational overlay, grid coordinates of destination, vehicle with personnel, and applicable references.

Standards: Performed a route/terrain reconnaissance, and selected the most appropriate route to follow or the most appropriate location to set up a maintenance site, IAW maintenance situation/OPORD and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Performed a map recon of the terrain and route.	—	—
3. Selected personnel for recon team.	—	—
4.Recon route to determine best access to destination and to ensure safety of personnel and equipment.	—	—
5.Recon terrain to determine suitability for maintenance site use, to determine best avenues of entry and exit, and to ensure safety of personnel and equipment.	—	—
6. Reported findings and conclusions to supervisors.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 4-30.3 (FM 9-43-1)
FM 5-170

Related

**Supervise Maintenance Operations
091-CLT-3009**

Conditions: In a field or garrison environment, given maintenance personnel, equipment, maintenance facility/site, SOPs, and applicable references.

Standards: Established and maintained an effective maintenance shop operation IAW SOPs and applicable references.

Performance Steps

1. Ensure unit maintenance procedures are IAW AR 750-1, DA Pam 750-35 and local major command (MACOM) policies.
 - a. Review unit standing operating procedures (SOP) for maintenance.
 - b. Inform unit personnel of changes in policy and new policy that impacts unit SOP
2. Provide technical assistance to unit maintenance activities.
 - a. Inspect unit maintenance operations
 - b. Identify shortcomings
 - c. Make recommendations for corrective action.
 - d. provide training in maintenance procedures.
3. Provide maintenance management to units.
 - a. Review reports (MCRS and ULLS-G).
 - b. Coordinate with higher level maintenance activities
 - c. Direct cross-leveling of maintenance assets/workload.
 - d. Prioritize maintenance efforts of units.

Performance Measures

	<u>GO</u>	<u>NO GO</u>
1. Reviewed unit SOP as scheduled	—	—
2. Compared unit SOP against standards set in 750-35-35 (Aug 94), Pg.	—	—
3. Completed regular inspection of unit operations.	—	—
4. Compared unit operations against standards in AR 750-1, Da Pam 738-750 and DA 750, and DA Pam 750-35.	—	—
5. Inspect environmental protection practices for compliance.	—	—
6. Review safety program practices for compliance with AR 220-1	—	—
7. Recorded and submitted deficiencies to proper personnel for correction.	—	—
8. Recorded training needs.	—	—
9. Coordinated with appropriate personnel to provide needed training	—	—
10. Reviewed MCSR for accuracy and compliance with standards in AR 700-138, ADSM-25-L3N-AWA-EUM, and AISM -25-L3Q-AWC-ZZZ-CG	—	—
11. Coordinated with appropriate maintenance level to correct maintenance discrepancies.	—	—
12. Coordinated with TRADOC and AMC to ensure that emerging issues are addressed appropriately at the unit.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References**Required**

AR 190-51
AR 385-10
AR 385-40
AR 385-55
AR 600-55
AR 700-4
AR 710-2
AR 725-50
AR 735-11-1
AR 735-5
AR 750-43
DA PAM 25-30
DA PAM 710-2-2
DA PAM 738-750
DA PAM 750-1
FM 4-30.3 (FM 9-43-1)

Related

**Interpret Maintenance Operational Overlay
091-CLT-3010**

Conditions: In a field or garrison environment, given an operational overlay, map, maintenance situation/OPORD, and applicable references.

Standards: Interpreted the maintenance operational overlay by identifying key features and elements of the area of operation IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary references and materials were available.	—	—
2. Identified mapping symbols on the operational overlay.	—	—
3. Identified key features of the map and operational overlay.	—	—
4. Identified key elements of the area of operation on the map and operational overlay.	—	—
5. Updated the operational overlay, as necessary.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required	Related
FM 101-5-1	
FM 4-30.3 (FM 9-43-1)	
FM 5-170	

**Manage the Unit Level Logistics System (ULLS)
091-CLT-3013**

Conditions: In a field or garrison environment, given a computer system(s) with Unit Level Logistics System-Ground (ULLS-G) software, database of equipment files, associated Army Materiel Status System (AMSS) software, ULLS operator, and applicable references.

Standards: Supervised ULLS-G functions of a unit-level maintenance shop IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and references were available.	—	—
2. Ensured ULLS operator was properly trained.	—	—
3. Reviewed the ULLS system flow of information to and from system interfaces.	—	—
4. Reviewed ULLS-G maintenance forms for accuracy.	—	—
5. Analyzed ULLS-G reports and data to identify maintenance trends and problems.	—	—
a. Document register.		
b. PLL inventory report.		
c. Zero balance report.		
d. PLL excess management report.		
e. PLL inquiry.		
f. Not mission capable (NMC) report.		
6. Analyzed AMSS reports and data to identify maintenance trends and problems.	—	—
a. AMSS Authorization Report.		
b. Projected fully mission capable (FMC) Rates Report.		
c. Equipment exception report.		
d. System status summary.		
e. Class IX failure data by administrative number.		
f. Rollup by equipment identification code (EIC).		
g. Rollup by unit identification code (UIC).		
h. Non mission capable (NMC) Report.		

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- AR 710-2
- DA PAM 710-2-1

Related

**Manage the Unit Army Oil Analysis Program (AOAP)
091-CLT-3014**

Conditions: In a field or garrison environment, given Automated Oil Analysis Log Printout, unit and higher headquarters' AOAP SOPs and policies, and applicable references.

Standards: Managed the unit AOAP IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary publications were available.	—	—
2. Reviewed the objectives and policies of the AOAP Program.	—	—
3. Identified responsibilities of key AOAP personnel.	—	—
4. Ensured sampling intervals and procedures were followed.	—	—
5. Ensured samples are processed IAW applicable references and SOPs.	—	—
6. Ensured lab results are processed IAW applicable references and SOPs, and follow-up actions were completed.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO-GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

- References**
- Required**
 - DA PAM 738-750
 - TB 43-0211

Related

**Deploy Company Maintenance Team/Recovery Support Team
091-CLT-3015**

Conditions: In a field or garrison environment, given a request for maintenance support/maintenance situation, map, operational overlay, grid coordinates of destination, vehicle(s), equipment, maintenance personnel, and applicable references.

Standards: Deployed the company maintenance team/recovery support team IAW the maintenance situation/request for maintenance support and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed the request for maintenance support/maintenance situation.	—	—
2. Determined personnel and equipment requirements necessary to perform the mission.	—	—
3. Identified available resources for the company maintenance team/recovery support team, including personnel with applicable MOS's, vehicle(s), tools, test equipment, publications, repair parts, time, and facilities, as necessary.	—	—
4. Determined requirements for defending the team.	—	—
5. Briefed the team on the mission:	—	—
a. Reviewed the operational overlay.		
b. Conducted a map recon of the route and destination.		
6. Deployed the maintenance support team.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- FM 101-5-1
- FM 4-30.3 (FM 9-43-1)
- FM 5-170

Related

**Review the Army Materiel Status System (AMSS) Reports
091-CLT-3016**

Conditions: In a field or garrison environment, given AMSS reports produced from an ULLS-G system, and applicable references.

Standards: Analyzed AMSS reports and data to identify maintenance trends and problems IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary ULLS equipment and references were available.	—	—
2. Analyzed AMSS reports and data to identify maintenance trends and problems.	—	—
a. AMSS authorization report.		
b. Projected FMC rates report.		
c. Equipment exception report.		
d. System status summary.		
e. Class IX failure data by administrative number.		
f. Rollup by EIC.		
g. Rollup by UIC.		
h. NMC report.		

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- AR 710-2
- DA PAM 710-2-1

Related

Subject Area 6: TECHNICAL TASKS (SKILL LEVEL 3)

**Perform Diagnostic Procedures of Gas Turbine Power Plants/Packs
091-63A-3001**

Conditions: In a field or garrison environment, given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Maintain the gas turbine powerplant or pack and replace or repair its components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level). When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Perform initial inspection.	—	—
3. Determine maintenance action to be performed.	—	—
4. Ensure task was within shop capability/authorization.	—	—
5. Ensure proper tools were available.	—	—
6. Identify and requisition repair parts, if required.	—	—
a. AGT-1500.		
b. M1A1 fuel supply system.		
7. Ensure TAMMS procedures are followed.	—	—
8. Determine maintenance action required:	—	—
a. Replace the inlet guide vane cable.		
b. Adjust the feedback voltage.		
9. Ensure applicable publications are available.	—	—
10. Assign personnel to perform task.	—	—
11. Ensure all safety precautions are followed.	—	—
12. Provide assistance, if necessary.	—	—
13. Ensure task was performed to acceptable standards.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection.	—	—
16. Critique personnel on performance of task.	—	—
17. Ensure maintenance forms are completed, as required.	—	—
18. Ensure tools and equipment are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References**Required**

LO 9-2350-264-12
TM 9-2350-264-10-1
TM 9-2350-264-20-1-1
TM 9-2350-264-20-1-2
TM 9-2350-264-20-1-3
TM 9-2350-264-20-1-4
TM 9-2350-264-20-1-5
TM 9-2350-264-24-1
TM 9-243

Related

DA PAM 738-750

**Perform Diagnostic Procedures of the Charging System
091-63A-3002**

Conditions: In a field or garrison environment, given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of vehicle charging system IAW applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect vehicle charging system/components.	—	—
5. Diagnose fault(s) by troubleshooting the vehicle charging system.	—	—
6. Determine maintenance action to be performed.	—	—
7. Adjust and/replace vehicle charging system/components.	—	—
8. Perform a final operational test to verify that the vehicle charging system malfunction is corrected to specification.	—	—
9. Annotate corrective actions taken on the DA Form 5988-E.	—	—
10. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4
- TM 9-2350-264-20-1-5
- TM 9-243
- TM 9-8000

Related

- DA PAM 738-750
- SC 4910-95-A73

**Perform Diagnostic Procedures of the Fuel System
091-63A-3003**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; a maintenance request or equipment inspection worksheet describing equipment malfunctions; and applicable technical publications.

Standards: Perform diagnostic procedures on gas turbine fuel systems. Documented required maintenance actions. Supervise and assist personnel assigned to perform maintenance actions to ensure repair is performed to standard, with equipment being fully mission-capable. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task was within shop capability/authorization.	—	—
3. Ensure applicable technical publications were available.	—	—
4. Ensure proper tools were available to inspect, repair/replace, and tested the gas turbine fuel systems.	—	—
5. Perform initial inspection.	—	—
6. Diagnose gas turbine fuel system fault(s) by troubleshooting the M1A1 fuel supply system.	—	—
7. Determine maintenance action to be performed.	—	—
8. Identify repair parts and requisition, if required.	—	—
9. Assign personnel to perform task.	—	—
10. Ensure all safety precautions and procedures are followed.	—	—
11. Provide assistance, when necessary.	—	—
12. Ensure task is performed IAW appropriate TMs and references.	—	—
13. Conduct an in-process inspection.	—	—
14. Perform a final inspection to ensure gas turbine fuel system is fully mission-capable.	—	—
15. Critique personnel on performance of task.	—	—
16. Ensure maintenance forms are completed, as required.	—	—
17. Ensure tools and equipment are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required
TM 9-2350-264-10-1

Related
DA PAM 738-750

References

Required

TM 9-2350-264-20-1-1
TM 9-2350-264-20-1-2
TM 9-2350-264-20-1-3
TM 9-2350-264-20-1-4
TM 9-2350-264-20-1-5
TM 9-2350-264-24-1
TM 9-243

Related

SC 4910-95-A73
SC 5180-95-N26

Perform Diagnostic Procedures of Vehicle using Battlefield Damage Assessment and Repair (BDAR)

091-63A-3004

Conditions: In a field or garrison environment, given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform battlefield damage assessment and repair (BDAR) of track vehicle armament/automotive systems. Document required maintenance actions. Supervise and assist personnel assigned to perform BDAR to ensure repair is performed to acceptable standards, with equipment being capable of functioning in a battlefield environment. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request/commander's directive.	—	—
2. Ensure applicable technical publications were available.	—	—
3. Inspect vehicle to diagnose damages.	—	—
4. Determine necessary BDAR repairs.	—	—
5. Ensure proper tools are available to perform BDAR for track vehicle armament/automotive systems.	—	—
6. Assign personnel to assist in BDAR.	—	—
7. Ensure all safety precautions and procedures are followed.	—	—
8. Ensure task is performed IAW appropriate TMs and references.	—	—
9. Conduct an in-process inspection.	—	—
10. Perform a final inspection to ensure the vehicle armament/automotive systems are capable of functioning in a battlefield environment.	—	—
11. Critique personnel on performance of the task.	—	—
12. Ensure maintenance forms are completed, as required.	—	—
13. Ensure tools and equipment are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4

Related

- DA PAM 738-750
- LO 9-2350-256-12
- LO 9-2350-264-12
- SC 4910-95-A73
- SC 5180-95-N26
- TM 9-243

References

Required

TM 9-2350-264-20-1-5

Related

**Perform Diagnostic Procedures of Transmission Assemblies
091-63A-3005**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain the transmission assembly and replace or repair its components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Perform initial inspection.	—	—
3. Determine maintenance action to be performed.	—	—
4. Ensure task is within shop capability/authorization.	—	—
5. Ensure proper tools are available.	—	—
6. Identify and requisition repair parts, if required.	—	—
7. Ensure TAMMS procedures are followed.	—	—
8. Determine maintenance action to be performed.	—	—
9. Ensure applicable publications are available.	—	—
10. Assign personnel to perform task.	—	—
11. Ensure all safety precautions are followed.	—	—
12. Provide assistance, if necessary.	—	—
13. Ensure task is performed to acceptable standards.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection.	—	—
16. Critique personnel on performance of task.	—	—
17. Ensure tools and equipment are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3

Related

- DA PAM 738-750
- SC 4910-95-A73
- SC 5180-95-N26

References

Required

TM 9-2350-264-20-1-4

TM 9-2350-264-20-1-5

TM 9-243

Related

**Perform Diagnostic Procedures of NBC Systems
091-63A-3006**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain the NBC system and repair or replace its components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Perform initial inspection.	—	—
3. Determine maintenance action to be performed.	—	—
4. Ensure task was within shop capability/authorization.	—	—
5. Ensure proper tools were available.	—	—
6. Identify and requisition repair parts, if required.	—	—
7. Ensure TAMMS procedures are followed.	—	—
8. Determine maintenance action to be performed.	—	—
9. Ensure applicable publications are available.	—	—
10. Assign personnel to perform task.	—	—
11. Ensure all safety precautions are followed.	—	—
12. Provide assistance, if necessary.	—	—
13. Ensure task is performed to acceptable standards.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection.	—	—
16. Critique personnel on performance of task.	—	—
17. Ensure tools and equipment are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-1-1
- TM 9-2350-264-20-1-2
- TM 9-2350-264-20-1-3
- TM 9-2350-264-20-1-4

Related

- DA PAM 738-750

References

Required

TM 9-2350-264-20-1-5

Related

**Diagnose Malfunction Using the Breakout Box
091-63A-3007**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; tools, TMDE, and equipment as indicated in TMs; breakout box (BOB); maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Diagnose malfunction using the breakout box IAW the applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the BOB.	—	—
5. Set up and test the BOB.	—	—
6. Diagnose malfunction using the BOB.	—	—
7. Annotate actions taken on DA Form 5988-E.	—	—
8. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- DA PAM 738-750
- SC 4910-95-A73
- SC 5180-95-A12

**Replace M-1 Series Vehicle Transmission Assembly
091-63A-3008**

Conditions: In a field or garrison environment, given a tracked vehicle and repair parts, general mechanic's tool kit, A31 tool set, and applicable vehicle TM.

Standards: Replace or repair the transmission assembly IAW applicable TM procedures and specifications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove transmission assembly from powerpack.	—	—
6. Inspect transmission assembly.	—	—
7. Install the transmission assembly	—	—
8. Verify fault has been corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2

Related

- DA PAM 738-750

**Replace M-1 Series Vehicle Reduction Gear Box Assembly (RGB)
091-63A-3009**

Conditions: In a field or garrison environment, given a AGT 1500 powerpack and repair parts, general mechanic's tool kit, special tools, A31 tool set, and applicable vehicle TMs.

Standards: Replace the reduction gear box IAW applicable TM procedures and specifications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove reduction gear box from rear engine module.	—	—
6. Inspect reduction gear box and seals.	—	—
7. Install reduction gear box.	—	—
8. Verify fault is corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-243
- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2
- TM 9-2835-255-34
- TM 9-8000

Related

- DA PAM 738-750

**Replace M-1 Series Vehicle Accessory Gear Box Assembly (AGB)
091-63A-3010**

Conditions: In a field or garrison environment, given an AGT 1500 powerpack and repair parts, general mechanic's tool kit, special tools, A31 tool set, and applicable vehicle TMs.

Standards: Replace the accessory gear box IAW applicable technical manual procedures and specifications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove accessory gear box assembly from forward module.	—	—
6. Inspect accessory gear box assembly and seals.	—	—
7. Install accessory gear box assembly.	—	—
8. Verify fault is corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-243
- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2
- TM 9-2835-255-34

Related

- DA PAM 738-750

**Replace M-1 Series Vehicle Forward Module Assembly
091-63A-3011**

Conditions: In a field or garrison environment, given a AGT 1500 powerpack and repair parts, general mechanic's tool kit, special tools, A31 tool set, and applicable vehicle TMs.

Standards: Replace the forward engine module IAW applicable TM procedures and specifications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove forward engine module.	—	—
6. Inspect forward engine module.	—	—
7. Install forward engine module.	—	—
8. Verify fault is corrected	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-243
- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2
- TM 9-2835-255-34
- TM 9-8000

Related

DA PAM 738-750

**Replace M-1 Series Vehicle Rear Module Assembly
091-63A-3012**

Conditions: In a field or garrison environment, given a AGT 1500 powerpack and repair parts, general mechanic's tool kit, special tools, A31 tool set, and applicable vehicle TMs.

Standards: Replace the rear engine module IAW applicable TM procedures and specifications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select/use applicable publications.	—	—
2. Select/use correct tools/TMDE.	—	—
3. Follow prescribed safety procedures.	—	—
4. Practice maintenance discipline.	—	—
5. Remove rear engine module assembly.	—	—
6. Inspect rear engine module assembly.	—	—
7. Install rear engine module assembly.	—	—
8. Verify fault is corrected.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-243
- TM 9-2350-264-34-1-1
- TM 9-2350-264-34-1-2
- TM 9-2835-255-34

Related

- DA PAM 738-750
- TM 9-8000

**Perform Diagnostic Procedures of Ready Ammo Door System
091-63A-3013**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; safety equipment; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the ready ammo door system IAW applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the ready ammo door system component(s).	—	—
5. Read wiring diagrams.	—	—
6. Replace ready ammo door switch.	—	—
7. Perform ready ammo door check.	—	—
8. Perform troubleshooting of ready ammo door electrical system.	—	—
9. Perform troubleshooting of circuit breaker monitor subsystem.	—	—
10. Perform a final operational test to verify the ready ammo door is corrected to specification.	—	—
11. Annotate corrective actions taken on DA Form 5988-E.	—	—
12. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- DA PAM 738-750
- SC 4910-95-A73
- SC 5180-95-A12

**Perform Diagnostic Procedures of Cannon Assembly
091-63A-3014**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; maintenance request or equipment inspection worksheet describing equipment malfunctions; artillery and turret mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; safety equipment; appropriate cleaning and lubricating materials; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of cannon assemblies IAW applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the cannon assembly system component(s).	—	—
5. Perform troubleshooting of the cannon assembly.	—	—
6. Replace operating shafts and bearings.	—	—
7. Repair breechblock.	—	—
8. Repair closing piston assembly.	—	—
9. Perform breechblock function check.	—	—
10. Perform firing circuit test.	—	—
11. Perform a final operational test to verify that the cannon assembly malfunction is corrected to specification.	—	—
12. Annotate corrective actions taken on the DA Form 5988-E.	—	—
13. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-1000-202-14
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- DA PAM 738-750
- SC 4910-95-A74
- SC 5180-95-A12
- TVT 9-160

**Perform Diagnostic Procedures of Traversing Systems
091-63A-3015**

Conditions: In a field or garrison environment, given M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; maintenance request or equipment inspection worksheet describing equipment malfunctions; safety equipment; additional tools, TMDE, and equipment as indicated in TMs; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of traversing systems IAW applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the traversing system component(s).	—	—
5. Replace hydraulic turret valve. <ul style="list-style-type: none"> a. Torque turret valve to specification. b. Ensure all four electrical connectors are locked in place. c. Tighten all hydraulic hoses and tubes a half turn past the point of firm resistance. 	—	—
6. Bleed air from hydraulic system.	—	—
7. Maintain gunner's control grip assembly: <ul style="list-style-type: none"> a. Adjust emergency mode. b. Adjust normal mode. 	—	—
8. Perform troubleshooting malfunction of auxiliary hydraulic subsystem.	—	—
9. Perform troubleshooting fault of gun azimuth (traverse) subsystem.	—	—
10. Replace and charged main hydraulic accumulator.	—	—
11. Replace and charged manual hydraulic accumulator.	—	—
12. Perform a final operational check to verify that the traversing system malfunction is corrected to specification.	—	—
13. Annotate corrective action taken on DA Form 5988-E.	—	—
14. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-1000-202-14
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1

Related

- DA PAM 738-750
- SC 4910-95-A74
- SC 5180-95-A12

References

Required

TM 9-2350-264-20-2-2
TM 9-2350-264-20-2-3
TM 9-2350-264-20-2-4
TM 9-2350-264-24-2
TM 9-243
TVT 9-160

Related

**Performed Diagnostic Procedures of Elevating Systems
091-63A-3016**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; safety equipment; additional tools, TMDE, and equipment as indicated in TMs; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of elevating systems IAW applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect the elevating system component(s).	—	—
5. Replace hydraulic turret valve.	—	—
a. Torque turret valve to specification.		
b. Ensure all four electrical connectors were locked in place.		
c. Tighten all hydraulic hoses and tubes a half turn past the point of firm resistance.		
6. Replace elevation servo mechanism fluid filter.	—	—
7. Bleed air from hydraulic system.	—	—
8. Prime the manual elevation hand pump assembly.	—	—
9. Bleed air from the manual elevation hand pump assembly.	—	—
10. Adjust the zero degree elevation switch.	—	—
11. Perform troubleshooting malfunction of gun elevation subsystem.	—	—
12. Replace and charge main hydraulic accumulator.	—	—
13. Replace and charge manual hydraulic accumulator.	—	—
14. Perform a final operational test to verify that the elevating system malfunction(s) is corrected to specification.	—	—
15. Annotate corrective actions taken on the DA Form 5988-E.	—	—
16. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

LO 9-2350-264-12
 TM 9-1000-202-14
 TM 9-2350-264-10-1

Related

DA PAM 738-750
 SC 4910-95-A74
 SC 5180-95-A12

References

Required

TM 9-2350-264-20-2-1
TM 9-2350-264-20-2-2
TM 9-2350-264-20-2-3
TM 9-2350-264-20-2-4
TM 9-2350-264-24-2
TM 9-243

Related

**Perform Diagnostic Procedures of Electrical Power Distribution Systems
091-63A-3017**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain the electrical power distribution system and replace or repair its components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Perform initial inspection.	—	—
3. Determine maintenance action to be performed.	—	—
4. Ensure task is within shop capability/authorization.	—	—
5. Ensure proper tools were available.	—	—
6. Identify and requisition repair parts for the following, if required.	—	—
a. Power distribution and master power control systems.		
b. Vehicle/turret power control subsystem.		
c. Circuit breaker monitor subsystem.		
7. Ensure TAMMS procedures are followed.	—	—
8. Determine maintenance action to be performed.	—	—
9. Ensure applicable publications are available.	—	—
10. Assigned personnel to perform task.	—	—
11. Ensure all safety precautions are followed.	—	—
12. Provide assistance, if necessary.	—	—
13. Ensure task is performed to acceptable standards.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection.	—	—
16. Critique personnel on performance of task.	—	—
17. Ensure tools and equipment are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

TM 9-2350-264-10-1
TM 9-2350-264-20-1-1

Related

DA PAM 738-750
SC 4910-95-A73

References

Required

TM 9-2350-264-20-1-2
TM 9-2350-264-20-1-3
TM 9-2350-264-20-1-4
TM 9-2350-264-20-1-5
TM 9-2350-264-24-1
TM 9-2350-264-24-2
TM 9-243

Related

SC 5180-95-A12

**Perform Diagnostic Procedures of Electrical Firing Systems
091-63A-3018**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision..

Standards: Maintain the electrical firing system and replace or repair its components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Perform initial inspection.	—	—
3. Determine maintenance action to be performed.	—	—
4. Ensure task was within shop capability/authorization.	—	—
5. Ensure proper tools are available.	—	—
6. Identify and requisition repair parts, if required.	—	—
a. Using ATP in TMs.		
b. Using schematics.		
7. Ensure TAMMS procedures are followed.	—	—
8. Determine maintenance action to be performed.	—	—
9. Ensure applicable publications are available.	—	—
10. Assign personnel to perform task.	—	—
11. Ensure all safety precautions are followed.	—	—
12. Provide assistance, if necessary.	—	—
13. Ensure task is performed to acceptable standards.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection.	—	—
16. Critique personnel on performance of task.	—	—
17. Ensure tools and equipment are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

SC 5180-95-A12
 TM 9-2350-264-10-1
 TM 9-2350-264-20-2-1

Related

DA PAM 738-750
 SC 4910-95-A73

References

Required

TM 9-2350-264-20-2-2
TM 9-2350-264-20-2-3
TM 9-2350-264-20-2-4
TM 9-2350-264-24-2
TM 9-243

Related

**Performed Diagnostic Procedures of Hydraulic Systems
091-63A-3019**

Conditions: In a field or garrison environment, given an M1A1 tank w/BII; repair parts; artillery and turret mechanic's tool kit; additional tools, TMDE, and equipment as indicated in TMs; safety equipment; maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of hydraulic systems IAW applicable TMs. When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Inspect hydraulic system components.	—	—
5. Replace turret valve.	—	—
6. Replace elevation servomechanism fluid filter.	—	—
7. Bleed air from hydraulic system.	—	—
8. Prime the manual elevation hand pump assembly.	—	—
9. Bleed air from the manual elevation hand pump.	—	—
10. Perform a final operational test to verify hydraulic systems malfunction is corrected to specification.	—	—
11. Replace and charge main hydraulic accumulator.	—	—
12. Replace and charge manual hydraulic accumulator.	—	—
13. Annotate corrective actions taken on DA Form 5988-E.	—	—
14. Maintain tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- LO 9-2350-264-12
- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-24-2
- TM 9-243

Related

- DA PAM 738-750
- SC 4910-95-A74
- SC 5180-95-A12

**Perform Diagnostic Procedures of Sighting and Fire Control Systems
091-63A-3020**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain the sighting and fire control system and replace or repair its components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Perform initial inspection.	—	—
3. Determine maintenance action to be performed.	—	—
4. Ensure task was within shop capability/authorization.	—	—
5. Ensure proper tools are available.	—	—
6. Identify and requisitioned repair parts, if required.	—	—
a. Computer subsystem.		
b. Ammunition select subsystem.		
c. Muzzle reference sensor.		
7. Ensure TAMMS procedures are followed.	—	—
8. Determine maintenance action to be performed.	—	—
9. Ensure applicable publications are available.	—	—
10. Assign personnel to perform task.	—	—
11. Ensure all safety precautions are followed.	—	—
12. Provide assistance, if necessary.	—	—
13. Ensure task is performed to acceptable standards.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection.	—	—
16. Critique personnel on performance of task.	—	—
17. Ensure tools and equipment are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

TM 9-2350-264-20-2-1
TM 9-2350-264-20-2-2

Related

DA PAM 738-750
SC 4910-95-A73

References

Required

TM 9-2350-264-20-2-3
TM 9-2350-264-20-2-4
TM 9-2350-264-24-2
TM 9-243

Related

SC 5180-95-A12
TM 9-2350-264-10-1

**Perform Diagnostic Procedures of Commander's Weapon Station
091-63A-3021**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain the cupola/commander's weapon station/hatch assembly and replace or repair its components IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Perform initial inspection.	—	—
3. Determine maintenance action to be performed.	—	—
4. Ensure task was within shop capability/authorization.	—	—
5. Ensure proper tools were available.	—	—
6. Identify and requisition repair parts, if required.	—	—
a. Azimuth drive system.		
b. Firing circuit.		
7. Ensure TAMMS procedures are followed.	—	—
8. Determine maintenance action to be performed.	—	—
9. Ensure applicable publications are available.	—	—
10. Assign personnel to perform task.	—	—
11. Ensure all safety precautions are followed.	—	—
12. Provide assistance, if necessary.	—	—
13. Ensure task is performed to acceptable standards.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection.	—	—
16. Critique personnel on performance of task.	—	—
17. Ensure tools and equipment are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2

Related

- DA PAM 738-750
- SC 4910-95-A73
- SC 5180-95-A12

References

Required

TM 9-2350-264-20-2-3
TM 9-2350-264-20-2-4
TM 9-2350-264-24-2
TM 9-243

Related

**Replace Traverse Motor Brake, Servo, and Manual Drive Assemblies
091-63A-3022**

Conditions: In a field or garrison environment, given M1 series Abrams tank, BOB, multimeter, STE-M1/FVS, artillery and turret mechanic's tool kit, special tools, M1 support tool kit, armament shop set, additional tools, TMDE, equipment specified in TMs, and applicable maintenance forms and technical publications.

Standards: Replace traverse motor brake, servo, and manual drive assemblies IAW applicable technical publications. When this task is completed, the equipment or end item is fully mission-capable, or required maintenance actions to be performed by other than 63A SL personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the manual drive assemblies.	—	—
5. Perform troubleshooting procedures.	—	—
6. Diagnose fault(s) and determined maintenance action to be performed.	—	—
7. Identify repair parts and requisitioned, if required.	—	—
8. Ensure all safety precautions and procedures are followed.	—	—
9. Remove traverse motor brake, servo, and manual drive assembly.	—	—
10. Install traverse motor brake, servo, and manual drive assembly.	—	—
11. Critique personnel on their job performance.	—	—
12. Ensure maintenance forms are completed, as required.	—	—
13. Ensure tools, equipment, and TMDE are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-20-2-4
- TM 9-2350-264-34-2-1
- TM 9-2350-264-34-2-2

Related

- DA PAM 738-750
- SC 5180-95-A12
- TM 9-4910-751-14&P

**Replace Elevation Servo Assembly
091-63A-3023**

Conditions: In a field or garrison environment, given M1 series Abrams tank, BOB, multimeter, STE-M1/FVS, artillery and turret mechanic's tool kit, special tools, M1 support tool kit, armament shop set, additional tools, TMDE, equipment specified in TMs, and applicable maintenance forms and technical publications.

Standards: Replace the elevation servo assembly. When this task is completed, the equipment or end item is fully mission-capable, or required maintenance actions to be performed by other than 63A personnel are identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the elevation servo assembly.	—	—
5. Perform troubleshooting procedures.	—	—
6. Diagnose fault(s) and determined maintenance action to be performed.	—	—
7. Identify repair parts and requisitioned, if required.	—	—
8. Ensure all safety precautions and procedures are followed.	—	—
9. Remove elevation servo assembly.	—	—
10. Perform an inspection to ensure the elevation servo is fully mission capable.	—	—
11. Install the elevation servo.	—	—
12. Ensure maintenance forms are completed, as required.	—	—
13. Ensure tools, equipment, and TMDE are properly maintained.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-264-10-1
- TM 9-2350-264-20-2-1
- TM 9-2350-264-20-2-2
- TM 9-2350-264-20-2-3
- TM 9-2350-264-34-2-1
- TM 9-2350-264-34-2-2

Related

- DA PAM 738-750
- SC 5180-95-A12
- TM 9-4910-751-14&P

Skill Level 4

Subject Area 7: COMMON LOGISTIC MANAGEMENT TASKS (SKILL LEVEL 4)

**Perform Senior Rater Responsibilities for a Maintenance Section
091-CLT-4001**

Conditions: In a field or garrison environment, given an NCOER with the rater's portion completed, accompanying counseling statements, and AR 623-205.

Standards: Performed senior rater's responsibilities IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured all materials and references were available.	—	—
2. Reviewed quarterly counseling that supported the NCOER.	—	—
3. Reviewed the administrative data and rater's portions of the NCOER for accuracy and content.	—	—
4. Prepared the senior rater's portion of the NCOER.	—	—
5. Ensured the NCOER was submitted for review and further processing.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required
AR 623-205

Related

**Supervise Platoon/Section Administrative Procedures
091-CLT-4002**

Conditions: In a field or garrison environment, given situation(s) requiring platoon/section administrative procedures supervision and applicable forms, records, and publications.

Standards: Supervised platoon/section administrative procedures IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Established files using the Modern Army Record Keeping System (MARKS). a. Prepared file folders and guides. b. Arranged file folders and guides. c. Prepared file drawer labels. d. Prepared a list of file numbers.	—	—
2. Processed a recommendation for award.	—	—
3. Processed and updated a flag on records.	—	—
4. Verified the accuracy of Suspension of Favorable Action Report.	—	—
5. Processed and updated a bar to reenlistment.	—	—
6. Processed a chapter action. a. Selected appropriate type of chapter action and identified separation guidelines. b. Initiated and follow-up the chapter action.	—	—
7. Processed a recommendation for advancement/promotion.	—	—
8. Verified accuracy of Enlisted Promotion Report (AAC-C01).	—	—
9. Assisted a subordinate NCO who had received notice of selection to be released under the Qualitative Management Program (QMP).	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

- Required**
AR 25-400-2
AR 600-8-2
AR 614-200
AR 635-200

Related

Manage Combat Stress
091-CLT-4003

Conditions: In a field or garrison environment, given a situation requiring stress management and FM 22-51.

Standards: Managed combat stress IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified sources of combat stress.	—	—
2. Identified the signs and classifications of battle fatigue.	—	—
3. Identified signs of stress in self, others, and the unit.	—	—
4. Took appropriate steps to reduce and/or prevent stress.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References
Required
FM 22-51

Related

**Ensure Maintenance Operations are in Compliance With the Army Environmental Program
091-CLT-4004**

Conditions: In a field or garrison environment, given a maintenance facility/site, maintenance personnel and equipment, and applicable references.

Standards: Ensured maintenance operations were in compliance with the Army Environmental Program and other regulatory publications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured all publications were available.	—	—
2. Reviewed maintenance SOP to ensure environmental policies and procedures were adequately addressed concerning the following: a. Environmental strategies of compliance, restoration, prevention, and conservation. b. Federal, state, local, and host nation laws and regulations.	—	—
3. Updated/changed/amended SOP as necessary.	—	—
4. Ensured all soldiers had received training on environmental laws, regulations, policies, and procedures.	—	—
5. Ensured inspections for hazardous waste and HAZMAT were conducted as required.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required	Related
AR 385-10	
AR 40-5	
FM 4-30.3 (FM 9-43-1)	

**Enforce Compliance With the Shop Safety Program
091-CLT-4005**

Conditions: In a field or garrison environment, given a maintenance site/facility, maintenance personnel, unit safety SOP, and applicable references.

Standards: Enforced compliance with the shop safety program IAW applicable references and unit safety SOP.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured all safety references were on hand.	—	—
2. Ensured all safety equipment was on hand, accessible, and properly maintained.	—	—
3. Ensured all soldiers were regularly updated on the shop safety program.	—	—
4. Ensured periodic safety inspections were being conducted, and safety concerns and violations were being corrected.	—	—
5. Ensured safety violations were being documented and reported as required, and follow-ups were being conducted.	—	—
6. Inspected records of safety inspections and accident reports for accuracy and completeness.	—	—
7. Inspected to ensure Material Safety Data Sheets (MSDS) were posted and maintained in applicable work areas.	—	—
8. Performed periodic safety spot checks and inspections for safety awareness and systemic safety problems.	—	—
a. Performed on-the-spot corrections.		
b. Performed follow-ups.		

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

- References**
- Required**
- AR 385-10
 - AR 385-40
 - AR 385-55
 - AR 614-200
 - DA PAM 385-1
 - TB 43-0142
 - TB MED 524

Related

**Coordinate Support for the Maintenance Platoon/Section
091-CLT-4006**

Conditions: In a field environment, given a OPORD/maintenance situation, a maintenance platoon or section with personnel and equipment, SOP, and applicable references.

Standards: Coordinated support for the maintenance platoon/section IAW SOP and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Evaluated the tactical situation and OPORD requirements.	—	—
2. Determined support needed at each location.	—	—
3. Notified parent/supported units of support requirements.	—	—
4. Followed up to ensure support had been coordinated/was being provided.	—	—
a. Notified appropriate parent/supported units to resolve any problems.		
b. Addressed problems in after action review (AAR).		

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 4-30.3 (FM 9-43-1)

Related

**Select a Field Maintenance Site
091-CLT-4007**

Conditions: In a field environment, given an OPORD to establish a field maintenance site, maintenance personnel, equipment, and references.

Standards: Selected a field maintenance site IAW the OPORD and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Considered the following elements of a good field maintenance site during the selection process:	—	—
a. Area should be reasonably flat and have good drainage.		
b. Area should have firm soil to permit parking and movement of heavy vehicles and equipment.		
c. Area should be accessible to support units.		
d. Terrain should facilitate defense.		
e. Area should be near built-up areas that can be used for mission support.		
2. Performed a map reconnaissance to determine possible sites.	—	—
3. Performed an area reconnaissance and site recon to determine the best site.	—	—
4. Informed higher headquarters of the field maintenance site location.	—	—
5. Relocated to the new field maintenance site.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References	Related
Required FM 4-30.3 (FM 9-43-1)	

**Prepare an Operational Overlay for Maintenance Operations
091-CLT-4008**

Conditions: In a field or garrison environment, given a map, overlay material, maintenance situation/OPORD, and applicable references.

Standards: Prepared an operational overlay for maintenance operations by depicting key activities and elements within the area of operation IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary references and materials were available.	—	—
2. Placed units/activities on the maintenance operations overlay using the appropriate symbols.	—	—
3. Placed key features of the area of operation on the overlay.	—	—
4. Updated the operational overlay, as necessary.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 101-5-1

FM 4-30.3 (FM 9-43-1)

FM 5-170

Related

**Control Flow of Work Through the Maintenance Shop
091-CLT-4009**

Conditions: In a field or garrison environment, given a maintenance shop including personnel, work orders, and applicable references.

Standards: Controlled the flow of work within the maintenance shop to ensure maximum production, effective use of personnel and facilities, and orderly progression of work so that overloads were prevented or corrected, and the shop was working near capacity with a manageable backlog.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Screened maintenance requests.	—	—
2. Assigned work to the appropriate shop section.	—	—
3. Maintained work load status for the various sections.	—	—
4. Directed repair priorities and additional actions(evacuation, operational readiness float (ORF), intra-shop, deferred) as applicable.	—	—
5. Ensured shop supply section orders/maintained repair parts, as required.	—	—
6. Improved operational procedures where necessary.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References	Related
<p>Required FM 4-30.3 (FM 9-43-1) TC 43-4</p>	

**Integrate Automated Logistics Support Systems
091-CLT-4010**

Conditions: In a field or garrison environment, given a Unit Level Logistics System-Ground (ULLS-G) computer system with software and equipment data base in a unit-level maintenance shop, a Standard Army Maintenance System-1 (SAMS-1) computer system with software and database in a direct support (DS)-level maintenance shop, a Standard Army Maintenance System -2 (SAMS-2) computer system with software and data base in a support operations section, and applicable publications.

Standards: Integrated automated logistics support systems in a maintenance shop IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the architecture/interface of Army automated logistics systems.	—	—
2. Supervised ULLS-G functions in a unit-level maintenance shop.	—	—
3. Supervised SAMS-1 functions in a DS-level maintenance shop.	—	—
4. Supervised SAMS-2 functions in a support operations section.	—	—
5. Interfaced with Standard Army Retail Supply System-Objective (SARSS-O) for supply functions.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- AIMS 18-L21-AHN-BUR-UM
- AIMS 18-L26-AHO-BUR-EM
- AR 710-2
- DA PAM 710-2-1
- DA PAM 738-750

Related

**Plan Logistics Support for Maintenance Operations
091-CLT-4011**

Conditions: In a field or garrison environment, given an OPORD/maintenance situation, maintenance personnel and equipment, and applicable references.

Standards: Planned logistics support for maintenance operations IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Appraised the combat situation.	—	—
2. Determined support needed.	—	—
a. People (skills and numbers).		
b. Equipment (transportation, tools, TMDE, and communications).		
c. Supplies (components, assemblies, and repair parts).		
3. Organized resources to provide needed support.	—	—
4. Followed these planning considerations:	—	—
a. Number and type of units supported.		
b. Stock levels for repair parts.		
c. Forward displacement of maintenance support teams/maintenance collection points.		
d. Channels and procedures for recovery, collection, evacuation, and disposition of captured or abandoned materiel.		

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 4-30.3 (FM 9-43-1)

Related

**Monitor the Preparation and Disposition of the Army Materiel Status System (AMSS) Reports
091-CLT-4012**

Conditions: In a field or garrison unit-level maintenance shop, given a unit level logistics system-ground (ULLS-G) computer system with AMSS software, AMSS reports produced from a ULLS-G system, and applicable references.

Standards: Verified accuracy of AMSS report data, identified maintenance trends and problems, and ensured timely completion and forwarding of reports IAW applicable references and SOP.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary ULLS equipment and references were available.	—	—
2. Checked AMSS report data for accuracy and completeness.	—	—
3. Analyzed AMSS reports and data to identify maintenance trends and problems.	—	—
4. Notified supported units, logistics assistance office/logistics assistance representative, and chain of command, (as necessary), to resolve problems and prevent future occurrences.	—	—
5. Ensured AMSS reports were completed and forwarded through appropriate channels IAW SOP.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- AR 710-2
- DA PAM 710-2-1
- DA PAM 738-750

Related

**Analyze the Prescribed Load List (PLL) Report
091-CLT-4013**

Conditions: In a field or garrison unit-level maintenance shop, given PLL reports produced by ULLS-G system and applicable references.

Standards: Analyzed the PLL reports to ensure inventory accuracy and identified potential supply shortages/problems impacting on maintenance readiness IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured reports and references were available.	—	—
a. PLL inventory report.		
b. Zero balance report.		
c. PLL excess management report.		
d. PLL inquiries (as needed).		
e. NMC report.		
2. Performed random inventory checks and resolved discrepancies.	—	—
3. Determined expedient measures necessary to resolve not mission capable supply (NMC-S) equipment awaiting PLL items on the zero balance report.	—	—
4. Resolved discrepancies in report data within the ULLS-G system.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- AR 710-2
- DA PAM 710-2-1
- DA PAM 738-750

Related

**Monitor Quality Control Program
091-CLT-4014**

Conditions: In a field or garrison maintenance shop, given a maintenance facility/site, maintenance personnel, maintenance SOP, and applicable references.

Standards: Monitored the quality control program to ensure quality of work IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured quality assurance/quality control (QA/QC) inspectors were adequately trained and knowledgeable in their respective maintenance areas and were on orders from the commander, if required by SOP.	—	—
2. Ensured QA/QC inspectors followed maintenance SOP guidelines and procedures and TM procedures for initial and final inspections.	—	—
3. Performed periodic checks of inspectors' work for accuracy of initial diagnosis and quality of final inspections.	—	—
4. Ensured supervisors were conducting in-process inspections of work done by mechanics/technicians.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

AR 710-2

DA PAM 710-2-1

FM 4-30.3 (FM 9-43-1)

Related

Analyze Bench Stock Listing
091-CLT-4015

Conditions: In a field or garrison DS-level maintenance shop, given a SAMS-1 generated bench stock listing (AHN-023) and applicable references.

Standards: Analyzed bench stock listing to identify supply problems that may impact maintenance readiness IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured report and references were available.	—	—
2. Performed random bench stock inventory checks.	—	—
3. Determined expedient measures necessary to resolve NMC-S equipment awaiting bench stock items.	—	—
4. Resolved any discrepancies in report data in the SAMS-1.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

AISM 18-L21-AHN-BUR-UM
AR 710-2
DA PAM 710-2-1
DA PAM 738-750

Related

**Analyze Open Work Request Reconciliation Listing
091-CLT-4016**

Conditions: In a field or garrison DS-level maintenance shop, given a SAMS-1 generated open work request reconciliation listing and applicable references.

Standards: Analyzed the open work request reconciliation listing IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured references and equipment were available.	—	—
2. Conducted face-to-face reconciliation with team chief.	—	—
3. Supervised SAMS operator on purging operations.	—	—
4. Supervised SAMS operator on mail status returned on organizational disk.	—	—
5. Improved operational procedures where necessary.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- AIMS 18-L21-AHN-BUR-UM
- AIMS 18-L26-AHO-BUR-EM

Related

**Analyze Completed Shop Workload Summary
091-CLT-4017**

Conditions: In a field or garrison DS-level maintenance shop, given a SAMS-1 generated completed shop workload summary report and applicable references.

Standards: Analyzed the completed shop workload summary report IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured references and equipment were available.	—	—
2. Assigned workload to personnel, as required.	—	—
3. Tracked status of all jobs requiring parts.	—	—
4. Ensured once job was completed, parts were turned in and paperwork completed IAW local SOP.	—	—
5. Improved operational procedures, where necessary.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

AISM 18-L21-AHN-BUR-UM

AISM 18-L26-AHO-BUR-EM

Related

**Analyze Shop Deadline and Deferred Workload Listing
091-CLT-4018**

Conditions: In a field or garrison DS-level maintenance shop, given a SAMS-1 generated shop deadline and deferred workload listing report and applicable references.

Standards: Analyzed the shop deadline and deferred workload listing report IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured references and equipment were available.	—	—
2. Prioritized jobs by the status and priority code.	—	—
3. Tracked workload listing for proper status of operation and maintenance (O/M).	—	—
4. Supervised AHN-006, AHN-022, and AHN-026 reports.	—	—
5. Improved operational procedures where necessary.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

- AIMS 18-L21-AHN-BUR-UM
- AIMS 18-L26-AHO-BUR-EM

Related

**Analyze Shop Workload Summary Listing
091-CLT-4019**

Conditions: In a field or garrison DS-level maintenance shop, given a SAMS-1 generated shop workload summary listing and applicable references.

Standards: Analyzed the shop workload summary listing IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured references and equipment were available.	—	—
2. Assigned workload to personnel, as required.	—	—
3. Tracked status of all jobs requiring parts.	—	—
4. Ensured once job was completed, parts were turned in and paperwork completed IAW local SOP.	—	—
5. Improved operational procedures where necessary.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

AISM 18-L21-AHN-BUR-UM

AISM 18-L26-AHO-BUR-EM

Related

**Maintain Property Accountability
091-CLT-4020**

Conditions: In a field or garrison environment, given property and tools, property book listing and/or hand receipts, blank forms, and applicable references.

Standards: Maintained property accountability IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured all references, technical bulletins (TBs), supply catalogs (SCs), and forms were available.	—	—
2. Performed initial inventory of all property, tools, and equipment. <ul style="list-style-type: none"> a. Completed shortage annexes, as necessary. b. Reported all shortages, as necessary. c. Initiated report of survey or other property loss actions, as necessary. d. Ordered replacement items. 	—	—
3. Prepared sub-hand receipts for subordinate sections.	—	—
4. Had subordinates inventory all property, tools, and equipment on each respective subhand receipt and shortage annex and sign for property on hand.	—	—
5. Signed for property on property book or hand receipts, as applicable.	—	—
6. Performed periodic inventories of tools and sensitive items, as required.	—	—
7. Performed periodic partial or full inventories, as required.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

AR 710-2
DA PAM 710-2-1

Related

**Prepare Standing Operating Procedures for Maintenance Operations
091-CLT-4021**

Conditions: In a field or garrison environment, given FM 9-43-1, higher headquarters SOP(s), and commander's guidance.

Standards: Prepared a maintenance shop internal or external SOP for the commander's review, comment, and approval IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured applicable publications were available.	—	—
2. Prepared a maintenance shop internal or external SOP.	—	—
3. Ensured unit policies and commander's guidance were followed.	—	—
4. Ensured shop operation policies were adequately addressed.	—	—
5. Updated the shop SOP as required.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 4-30.3 (FM 9-43-1)

Related

Supervise the Deployment of Company Maintenance Team/Recovery Support Team/Maintenance Support Team
091-CLT-4022

Conditions: In a field or garrison environment, given a request for maintenance support/maintenance situation, map, operational overlay, grid coordinates of destination, vehicle(s), equipment, maintenance personnel, and applicable references.

Standards: Supervised the deployment of company maintenance team/recovery support team(s) IAW the maintenance situation/request for maintenance support and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed the request for maintenance support/maintenance situation.	—	—
2. Ensured personnel and equipment to perform the mission were available.	—	—
3. Ensured resources for the company maintenance team/recovery support team/maintenance support team, including personnel with applicable MOS's, vehicle(s), tools, test equipment, publications, repair parts, time, and facilities were appropriately identified.	—	—
4. Ensured requirements for defending the team had been properly determined and arranged.	—	—
5. Ensured team leader(s) were briefed on the mission.	—	—
a. Reviewed the operational overlay.		
b. Conducted a map recon of the route and destination.		
6. Ensured the company maintenance team/recovery support team/maintenance support team was deployed.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 101-5-1

FM 4-30.3 (FM 9-43-1)

FM 5-170

Related

**Conduct a Route Reconnaissance for a Maintenance Mission
091-CLT-4023**

Conditions: In a field environment, given a maintenance situation/OPORD, operational overlay, grid coordinates for a proposed route, map, vehicle with personnel, and applicable references.

Standards: Conducted a route reconnaissance for a given route identifying distances/times, problem areas along the route, possible bypasses or alternate routes, and prepared strip maps IAW the maintenance situation/OPORD and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Determined the route to be used for the maintenance mission.	—	—
3. Performed a map recon of the route.	—	—
4. Contacted units along the route and coordinated passage.	—	—
5. Selected personnel to conduct the reconnaissance.	—	—
6. Recon the route identifying key features to include: <ul style="list-style-type: none"> a. Potential problem areas (i.e., possible enemy contact, trafficability, etc.). b. Possible bypasses/alternate routes. 	—	—
7. Recorded information on a strip map for use by the maintenance team.	—	—
8. Advised the commander/staff officer on use of the route for maintenance missions.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 4-30.3 (FM 9-43-1)
FM 5-170

Related

**Conduct an Area Reconnaissance for a Maintenance Mission
091-CLT-4024**

Conditions: In a field environment, given a maintenance situation/OPORD, operational overlay, grid coordinates for a proposed occupation area, map, vehicle with personnel, and applicable references.

Standards: Performed an area reconnaissance, selecting the most appropriate location to establish a maintenance site IAW the maintenance situation/OPORD and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Performed a map recon of the area.	—	—
3. Selected personnel to conduct the reconnaissance.	—	—
4. Recon the area to determine suitability for maintenance operations, accessibility in and out of the site, defendability, and actions required for the safety of personnel and equipment.	—	—
5. Advised the commander/staff officer on occupying the area of operations based upon the reconnaissance.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 4-30.3 (FM 9-43-1)
FM 5-170

Related

**Manage Battlefield Maintenance Support
091-CLT-4025**

Conditions: In a field maintenance shop, given an OPORD/maintenance situation, maintenance personnel, equipment, and applicable references.

Standards: Managed battlefield maintenance support IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Appraised the combat situation and organized and prioritized support based on type of operation: a. Offensive operation. b. Defensive operation.	—	—
2. Planned for and executed appropriate maintenance support: a. Identified requirements. b. Identified available resources. (1) Personnel and skills. (2) Publications. (3) Time. (4) Facilities. (5) TMDE and tools. (6) Parts. c. Managed resources for maximum return, with priority on the following: (1) Maintenance support forward. (2) Commander's guidance. (3) Battle damage repair. (4) Controlled exchange. (5) Cannibalization. (6) Evacuation. (7) Recovery.	—	—
3. Followed priorities for repair of battle damaged systems: a. Most essential for completion of the immediate mission. b. Least amount of time to repair. c. Repairable, but not in time to continue the immediate mission. d. Damaged beyond repair candidate for cannibalization.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 4-30.3 (FM 9-43-1)

Related

**Perform Support Operations NCO Duties
091-CLT-4026**

Conditions: In a field or garrison environment, given a position as a support operations maintenance NCO, and applicable references.

Standards: Performed the duties of a support operations maintenance NCO, ensuring that the direct support (DS) maintenance mission is effectively coordinated and integrated within the battalion or support group.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Provided guidance on maintenance priorities within the unit.	—	—
2. Set objectives for maintenance shop production.	—	—
3. Monitored maintenance shop workflow and status of repair part requisitions.	—	—
4. Supervised, controlled, and directed the operation of battalion units for:	—	—
a. DS maintenance.		
b. Evacuation.		
c. Repair parts supply.		
d. Repairable exchange (RX).		
e. Technical assistance.		

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 100-16

FM 4-30.3 (FM 9-43-1)

Related

**Manage Maintenance Operations at a Maintenance Collection Point
091-CLT-4027**

Conditions: In a field maintenance environment, given an OPORD/maintenance situation, a maintenance collection point (MCP) site, maintenance personnel and equipment, and applicable references.

Standards: Managed maintenance operations at an MCP IAW the OPORD and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Set up the MCP.	—	—
2. Managed flow of equipment for repair. <ul style="list-style-type: none"> a. Focused efforts toward repairing systems for current battle or start of next battle. b. Fixed 4 to 6 hour jobs at unit maintenance collection point (UMCP). c. Evacuated other equipment to brigade MCP or farther rear location. d. Maximized battle damage assessment repair (BDAR), cannibalization, and controlled exchange at central MCP. 	—	—
3. Managed company maintenance teams/recovery support teams/maintenance support teams held at MCP.	—	—
4. Managed prescribed load list (PLL) assets for forward combat units.	—	—
5. Relocated forward (as necessary) to continue fix-forward support.	—	—

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required

FM 4-30.3 (FM 9-43-1)

Related

**Provide Maintenance Support During Tactical Operations
091-CLT-4028**

Conditions: In a field environment, given an operation order (OPORD)/maintenance situation, maintenance personnel and equipment, and applicable references.

Standards: Provided maintenance support during tactical operations IAW the OPORD and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Provided maintenance support during offensive operations.	—	—
2. Provided maintenance support during defensive operations.	—	—
3. Provided maintenance support during retrograde operations.	—	—
4. Provided maintenance support during reconstitution operations.	—	—
5. Provided maintenance support during night operations.	—	—
6. Provided maintenance support in NBC environment.	—	—
7. Provided maintenance support during stability and support operations (SASO).	—	—
a. Peace operations.		
b. Humanitarian operations.		
c. Disaster relief operations.		
8. Provided maintenance support in the following adverse conditions.	—	—
a. Desert operations.		
b. Cold weather operations.		
c. Jungle operations.		
d. Mountain operations.		
e. Urban terrain operations.		

Evaluation Guidance: Score the soldier GO if all steps are passed. Score the soldier NO GO if any step is failed. If the soldier fails any step, show what was done wrong and how to do it correctly.

References

Required
FM 4-30.3 (FM 9-43-1)

Related

APPENDIX A -**HANDS-ON EVALUATION (DA FORM 5164-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)**

DA Form 5164-R (Hands-On Evaluation) allows the trainer to keep a record of the performance measures a soldier passes or fails on each task.

Before evaluation:

1. Obtain a blank copy of DA Form 5164-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Enter the task title and 10-digit number from the STP task summary.
3. In Column a, enter the performance measure numbers from the task summary.
4. In Column b, enter the performance measure corresponding to the number in Column a (you may abbreviate this information if necessary).
5. Locally reproduce the partially completed form when evaluating more than one soldier on the task or when evaluating the same soldier more than once.

During evaluation:

1. Enter the date just before evaluating the soldier's task performance.
2. Enter the evaluator's name, the soldier's name, and the unit.
3. For each performance measure in Column b, enter a check in Column c (PASS) or Column d (FAIL), as appropriate.
4. Compare the number of performance measures the soldier passes (and, if applicable, which ones) against the task standards specified in the task summary. If the standards are met or exceeded, check the GO block under STATUS; otherwise, check the NO-GO block.

HANDS-ON EVALUATION For use of this form, see AR 350-57; the proponent agency is ODCSOPS		DATE	
TASK TITLE		TASK NUMBER	
ITEM a	PERFORMANCE STEP TITLE b	SCORE (Check One)	
		PASS c	FAIL d
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
EVALUATOR'S NAME		UNIT	
SOLDIER'S NAME		STATUS <input type="checkbox"/> GO <input type="checkbox"/> NO GO	

APPENDIX B -**FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)**

DA Form 5165-R (Field Expedient Squad Book) allows the trainer to keep a record of task proficiency for a group of soldiers.

Before evaluation:

1. Obtain a blank copy of DA Form 5165-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Locally reproduce the partially completed form if you are evaluating more than nine soldiers.

During evaluation:

1. Enter the names of the soldiers you are evaluating, one name per column, at the top of the form.
2. Under STATUS, record (in pencil) the date in the GO block if the soldier demonstrated task proficiency to soldier's manual standards. Keep this information current by always recording the most recent date on which the soldier demonstrated task proficiency. Record the date in the NO-GO block if the soldier failed to demonstrate task proficiency to soldier's manual standards. Soldiers who failed to perform the task should be retrained and reevaluated until they can meet the standards. When the standards are met, enter the date in the appropriate GO block and erase the previous entry from the NO-GO block.

After evaluation:

1. Read down each column (GO/NO-GO) to determine the training status of an individual. This will give you a quick indication of which tasks a soldier needs training on.
2. Read across the rows for each task to determine the training status of all soldiers. You can readily see which tasks to focus training on.
3. Line through the STATUS column of any soldier who leaves the unit.

GLOSSARY**Section I**
Abbreviations

AAR	after-action review
AC	Active Component
AHU	air handling unit
AIM	analog input module
AIT	advanced individual training
ANCOC	Advanced Noncommissioned Officers Course
AOAP	Army Oil Analysis Program
APC	armored personnel carrier
app	appendix
APU	auxiliary power unit
AR	Army regulation
BA	biannually
BDAR	battle damage assessment and repair
BICU	biocular image control unit
BII	basic issue items
BIT	built-in test
BNCOC	Basic Noncommissioned Officers Course
BOB	break-out box
BW	biweekly
CCHA	Commander's control handle assembly
CDU	commander's display unit
CEU	computer electronic unit
CID	commander's integrated display
CITV	commander's independent thermal viewer
CITV-EU	commander's independent thermal viewer-electronic unit

COAX	coaxial
cont	continued
CWS	commander's weapon station
DA	Department of the Army
DA Form	Department of the Army form
DA Pam	Department of the Army pamphlet
DID	driver's integrated display
DS	direct support
FCEU	Fire control electronic unit
FIT	fault isolation test
FLIR	Forward Looking Infrared
FM	field manual
FMC	fully mission capable
FOV	Field Of View
GCDP	gunner's control display panel
GPS	global positioning system
GTD	gun turret drive
HMPU	hull mission processor unit
HNB	hull networks box
HPDU	hull power distribution unit
HTEU	hull/turret electronics unit
IAW	in accordance with
IVIS	Intervehicular Information System
LOS (line of sight
MARKS	Modern Army Record Keeping System
MCP	maintenance collection point
MD	military deception
MMU	mass memory unit

MOS	military occupational specialty
MOSC	military occupational specialty code
MSDS	Material Safety Data Sheet
NA	not applicable
NBC	nuclear, biological, and chemical
NCO	noncommissioned officer
NCOER	Noncommissioned Officer Evaluation Report
NMC	Nonmission Capable
OPORD	Operations Order
ORD	Operational Requirements Document
Pam	pamphlet
para	paragraph
PLL	prescribed load list
PMCS	preventive maintenance checks and services
POL	petroleum, oils, and lubricants
POS/NAV	position/navigation system
QA	quality assurance
QC	quality control
QT	quarterly
RDL	Reimer Digital Library
RIU	radio interface unit
RSM	remote switching module
RX	reparable exchange
SA	semiannual
SC	supply catalog
SGCEU	second generation common electronics unit
SGSEU	second generation servo electronics unit
SGTRU	second generation thermal receiver unit

SL	skill level
SM	soldier's manual
SME	subject matter expert
SMI	soldier machine interface
SOP	standing operating procedure
STP	soldier training publication
Suppl	supplement
TAMMS	The Army Maintenance Management System
TB	technical bulletin
TIS	thermal imaging system
TM	technical manual
TMDE	test measurement and diagnostic equipment
TMPU	turret mission processor unit
TM'S	thermal management system
TNB	turret networks box
ULLS	Unit Level Logistics System
UUAPU	under armor auxiliary power unit
VCSU	vapor compression system unit

Section II

Terms

MOS Training Plan (MTP)

The MTP addresses all skill levels (SL) of an MOS and all duty positions, to include additional skill identifiers (ASI), special qualifications identifiers (SQI), and language identifier codes (LIC), associated with each SL which has unique critical task training requirements. The MTP lists all MOS-specific and shared critical tasks for which the MOS is responsible.

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AR 220-1	Unit Status Reporting (This Item is Included on EM 0001) 1 September 1997
AR 25-400-2	The Modern Army Record Keeping System (MARKS) (This Item is Included on EM 0001) 26 February 1993
AR 385-10	The Army Safety Program (This item is included on EM 0001) 23 May 1988
AR 385-40	Accident Reporting and Records (This Item is Included on EM 0001) 1 November 1994
AR 385-55	Prevention of Motor Vehicle Accidents (This item is Included on EM 0001) 12 March 1987
AR 40-5	Preventive Medicine (This Item is Included on EM 0001) 15 October 1990
AR 600-55	The Army Driver and Operator Standardization Program (Selection, Training, Testing, and Licensing) (This Item is Included on EM 0001) 31 December 1993
AR 600-8-2	Suspension of Favorable Personnel Actions (FLAGS) (This Item is Included on EM 0001) 30 October 1987
AR 614-200	Enlisted Assignments and Utilization Management (This Item is Included on EM 0001) 31 October 1997
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FM 21-26 Map Reading and Land Navigation 7 May 1993

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FM 22-51 Leader's Manual for Combat Stress Control 29 September 1994

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