

STP 9-63H14-SM-TG

**SOLDIER'S MANUAL AND
TRAINER'S GUIDE**

MOS 63H

TRACKED VEHICLE MECHANIC

SKILL LEVELS 1, 2, 3, AND 4

AUGUST 2004

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

**HEADQUARTERS
DEPARTMENT OF THE ARMY**

**This publication is available at
Army Knowledge Online
www.us.army.mil**

SOLDIER'S MANUAL AND TRAINER'S GUIDE

MOS 63H

Tracked Vehicle Mechanic

Skill Levels 1, 2, 3, and 4

CONTENTS

	<u>PAGE</u>
PREFACE	v
Chapter 1. Introduction	1-1
1-1. General	1-1
1-2. Task Summaries	1-1
1-3. Soldier's Responsibilities	1-2
1-4. NCO Self-Development and the STP	1-2
1-5. Commander's Responsibilities	1-2
1-6. Trainer's Responsibilities	1-3
1-7. Training Support	1-3
Chapter 2. Training Guide	2-1
2-1. General	2-2
2-2. Subject Area Codes	2-4
2-3. Duty Position Training Requirements	2-5
2-4. Critical Tasks List.....	2-6
Chapter 3. MOS/Skill Level Tasks	3-1
Skill Level 1	
Subject Area 1: Administrative Tasks (SL-1/2)	
091-109-0001 Maintain Test, Measurement, and Diagnostic Equipment (TMDE)	3-1
091-109-0002 Maintain Assigned Vehicles (PMCS)	3-2

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

*This publication supersedes STP 9-63G12-SM-TG, 16 June 2001; STP 9-63H14-SM-TG, 22 March 2001; and STP 9-63Y12-SM-TG, 23 June 2001.

	PAGE
091-109-0003 Maintain Assigned Tool Kits.....	3-3
091-109-0006 Maintain Equipment Inspection and Maintenance Worksheet (DA Form 2404) and (DA Form 5988-E)	3-4
Subject Area 2: Technical Tasks (SL-1/2)	
091-63H-1003 Replace Engine/Transmission on a Track Vehicle (M113/M88/M993).....	3-5
091-63H-1005 Replace Solenoids on a Track Vehicle Transmission (M113A3).....	3-7
091-63H-1006 Replace Controller/Interface Assembly on a M993 Track Vehicle Transmission	3-8
091-63H-1014 Maintain Diesel Power Plant/Pack on a Track Vehicle (M113/M88/M993/M48A5)	3-10
091-63H-1015 Maintain Fuel System on a Track Vehicle (M88/M993/M113/M48A5).....	3-12
091-63H-1016 Maintain Cooling System on a Track Vehicle (M88/M993/M113/M48A5).....	3-14
091-63H-1017 Maintain Electrical System on a Track Vehicle (M88/M113/M993/M48A5)	3-16
091-63H-1018 Maintain Suspension System on a Track Vehicle (M88/M113)	3-18
091-63H-1019 Maintain Steering/Braking System on a Track Vehicle (M88/M113/M993/M48A5)	3-19
091-63H-1020 Maintain Hydraulic System on a Track Vehicle (M88/M113/M993/M48A5).....	3-21
091-63H-1021 Maintain Fire Extinguisher/Suppression System on a M88A1 Track Vehicle	3-23
091-63H-1022 Maintain Auxiliary Power Unit (APU) System on a M88A1 Track Vehicle	3-24
091-63H-1023 Replace Control Differential on a Track Vehicle (M113A2).....	3-25
091-63H-1024 Perform Engine Tune-Up Procedures on a Track Vehicle (M88/M993/M48A5/M113).....	3-26
Subject Area 3: ASI (H8) Recovery Tasks	
091-H8C-2001 Locate a Recovery Site.....	3-28
091-H8C-2002 Determine Recovery Methods	3-29
091-H8C-2003 Operate Tactical Communications Equipment	3-30
091-H8C-2004 Operate Metal Cutting Equipment	3-31
091-H8T-2001 Maintain Recovery Vehicle Weapons	3-32
091-H8T-2002 Perform Preventive Maintenance Checks and Services on a Tracked Recovery Vehicle	3-33
091-H8T-2003 Use Basic Issue Items Related to Tracked Recovery Vehicle	3-34
091-H8T-2004 Drive Tracked Recovery Vehicle.....	3-35
091-H8T-2005 Operate Auxiliary Power Unit	3-36
091-H8T-2006 Operate the Boom and Hoist Winch on a Tracked Recovery Vehicle	3-37
091-H8T-2007 Operate the Spade on a Tracked Recovery Vehicle.....	3-38
091-H8T-2008 Operate the Winch on a Tracked Recovery Vehicle	3-39
091-H8T-2009 Recover a Mired Tracked Vehicle	3-40
Skill Level 3	
Subject Area 4: Common Logistic Tasks (SL3)	
091-CLT-3012 Interpret a Standard Army Maintenance System (SAMS) Generated Maintenance Report.....	3-41
091-CLT-3001 Manage a Shop Safety Program.....	3-42
091-CLT-3002 Maintain a Publications Library	3-43
091-CLT-3003 Establish Maintenance Facilities	3-45
091-CLT-3004 Assist in Preparing a Standing Operating Procedure	3-46
091-CLT-3005 Manage Tool Control Procedures	3-47
091-CLT-3006 Manage Key Control Procedures.....	3-48
091-CLT-3007 Manage the TMDE Calibration Program.....	3-49

	PAGE
091-CLT-3008 Recon Terrain/Route	3-50
091-CLT-3009 Supervise Maintenance Operations	3-51
091-CLT-3010 Interpret Maintenance Operational Overlay	3-53
091-CLT-3011 Deploy Maintenance Support Teams	3-54

Subject Area 5: Technical Tasks (SL 3)

091-63H-3007 Perform Diagnostics on Pressure Timed (PT) Injection System on a M993 Track Vehicle	3-56
091-63H-3008 Perform Diagnostics on Unit Type Injection System on a M113 Series Track Vehicle	3-57
091-63H-3009 Perform Diagnostics on Distributor Type Injection System on a AVDS 1970 Series Engine (M88/M48A5).....	3-59
091-63H-3025 Perform Diagnostics on Automatic Transmissions on a Track Vehicle (M113/M88/M993/M48A5).....	3-60
091-63H-3120 Perform Diagnostics on Electrical Circuits on a Track Vehicle (M113/M88/M993/M48A5).....	3-61
091-63H-3122 Perform Diagnostics on Hydraulic System on a Track Vehicle (M113/M88/M993/M48A5).....	3-63
091-63H-3125 Perform Battlefield Damage Assessment and Repair (BDAR) on a Track Vehicle (M113/M88/M993/M48A5).....	3-65
091-63H-3130 Perform Diagnostic on the Power Distribution on a M993 Track Vehicle	3-66
091-63H-3133 Perform Classification Inspections on Tactical Vehicles	3-67
091-63H-3136 Perform Diagnostics on a Track Vehicle Engine (M113/M88A1/M993/M48A5)	3-68
091-63H-3137 Perform Diagnostics on a Fuel System on a Track Vehicle (M113/M88A1/M993/M48A5)	3-70
091-63H-3138 Perform Diagnostics on Steering/ Brake System on a Track Vehicle (M113/M88A1/M993/M48A5)	3-72
091-63H-3139 Perform Diagnostics on the Auxiliary Power Unit (APU) on a M88A1 Track Recovery Vehicle.....	3-74
091-63H-3140 Perform Engine Tune-up Procedures.....	3-75
091-63H-3141 Perform Recovery Operation.....	3-77

Skill Level 4

Subject Area 6: Common Logistics Management Tasks (SL 4)

091-CLT-4001 Perform Senior Rater Responsibilities for a Maintenance Section	3-78
091-CLT-4002 Supervise Platoon/Section Administrative Procedures	3-79
091-CLT-4003 Manage Combat Stress	3-80
091-CLT-4004 Ensure Maintenance Operations are in Compliance With the Army Environmental Program	3-81
091-CLT-4005 Enforce Compliance With the Shop Safety Program	3-82
091-CLT-4006 Coordinate Support for the Maintenance Platoon/Section.....	3-83
091-CLT-4007 Select a Field Maintenance Site.....	3-84
091-CLT-4008 Prepare an Operational Overlay for Maintenance Operations.....	3-85
091-CLT-4009 Control Flow of Work Through the Maintenance Shop	3-86
091-CLT-4010 Integrate Automated Logistics Support Systems	3-87
091-CLT-4011 Plan Logistics Support for Maintenance Operations.....	3-88
091-CLT-4012 Monitor the Preparation and Disposition of the Army Materiel Status System (AMSS) Reports	3-89
091-CLT-4013 Analyze the Prescribed Load List (PLL) Report.....	3-90
091-CLT-4014 Monitor Quality Control Program.....	3-91

	PAGE
091-CLT-4015 Analyze Bench Stock Listing	3-92
091-CLT-4016 Analyze Open Work Request Reconciliation Listing	3-93
091-CLT-4017 Analyze Completed Shop Workload Summary	3-94
091-CLT-4018 Analyze Shop Deadline and Deferred Workload Listing	3-95
091-CLT-4019 Analyze Shop Workload Summary Listing	3-96
091-CLT-4020 Maintain Property Accountability	3-97
091-CLT-4021 Prepare Standing Operating Procedures for Maintenance Operations	3-98
091-CLT-4022 Supervise the Deployment of Company Maintenance Team/Recovery Support Team/Maintenance Support Team	3-99
091-CLT-4023 Conduct a Route Reconnaissance for a Maintenance Mission	3-100
091-CLT-4024 Conduct an Area Reconnaissance for a Maintenance Mission	3-101
091-CLT-4025 Manage Battlefield Maintenance Support	3-102
091-CLT-4026 Perform Support Operations NCO Duties	3-103
091-CLT-4027 Manage Maintenance Operations at a Maintenance Collection Point	3-104
091-CLT-4028 Provide Maintenance Support During Tactical Operations	3-105
Appendix A	A-1
Appendix B	B-1
Glossary	Glossary-1
References	References-1

PREFACE

This soldier training publication (STP) is intended for soldiers holding MOS 63H, Skill Levels 1, 2, 3, and 4, their supervisors, trainers, and commanders. It contains an MOS training plan that provides 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 63H should have access to this publication. Trainers and first line supervisors should actively plan for soldier' access, making it available in work areas, unit learning centers, and unit libraries. However, it is not intended that an individual copy be provided to each MOS holder. The STP is obtainable on line from the Reimer Digital Library (RDL) at <http://www.adtdl.army.mil.adtdl/htm>.

Tasks in this manual apply to Active Army, Army Reserve, and Army National Guard soldiers.

The proponent of this publication is Headquarters, US Army Training and Doctrine Command (HQ, USATRADO). 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 225, 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 63H. 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 63H 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 7-0 (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 cannot 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 NCOs, 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 351-59 (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, <http://www.atsc.army.mil/accp/aipdnew.asp>. 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. Developing effective training is explained in detail in FM 7-0 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 for instructions on how to obtain and fill out a copy of a DA Form 5164-R.

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 MOSs and skill levels. Use of this form is optional. See Appendix B for instructions on how to obtain and fill out a copy of a DA Form 5165-R. 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

63H CAREER FIELD DUTY POSITIONS			
Duty Position	Subject Area	Cross Train	Train-up/Merger
Skill Level 1			
63H10/Track Vehicle Mechanic 63H10/Recovery Vehicle Operator	1	NA	63H20/Track Vehicle Mechanic 63H20/Recovery Vehicle Operator
Skill Level 2			
63H20/Track Vehicle Mechanic 63H20/Recovery Vehicle Operator	1	NA	63H30/Senior Automotive Mechanic 63H30/Maintenance Analyst 63H30/Recovery Supervisor 63H30/Senior Automotive Electric Systems Mechanic 63H30/Automotive Mechanic Sergeant 63H30/Mechanical Maintenance Sergeant 63H30/Technical Inspector 63H30/Operations Sergeant
Skill Level 3			
63H30/Senior Automotive Mechanic 63H30/Maintenance Analyst 63H30/Recovery Supervisor 63H30/Senior Automotive Electric Systems Mechanic 63H30/Automotive Mechanic Sergeant 63H30/Mechanical Maintenance Sergeant 63H30/Technical Inspector 63H30/Operations Sergeant	2 - 3	NA	63H40/Operations Sergeant 63H40/Automotive Mechanic Supervisor 63H40/Maintenance Plans/Policy NCO 63H40/Maintenance Analyst 63H40/Mechanical Maintenance Sergeant 63H40/Maintenance Control Sergeant 63H40/Maintenance Management NCO 63H40/Automotive Electric Systems Mechanic Supervisor 63H40/Section Chief 63H40/Commodity Management NCO 63H40/Platoon Sergeant
Skill Level 4			
63H40/Operations Sergeant 63H40/Automotive Mechanic Supervisor 63H40/Maintenance Plans/Policy NCO 63H40/Maintenance Analyst 63H40/Mechanical Maintenance Sergeant 63H40/Maintenance Control Sergeant 63H40/Maintenance Management NCO 63H40/Automotive Electric Systems Mechanic Supervisor 63H40/Section Chief 63H40/Commodity Management NCO 63H40/Platoon Sergeant	4	NA	63Z50/Engineer Equipment Supervisor 63Z50/Engineer Equipment Maintenance Inspection Team Chief 63Z50/Mechanical Maintenance Operations NCO 63Z50/Mechanical Maintenance Management NCO 63Z50/Mechanical Maintenance Supervisor 63Z50/Mechanical Maintenance Management Logistics NCO 63Z50/Operations Sergeant 63Z50/First Sergeant

2-1. General. The MOS training plan 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 MOS training plan should be used as a guide for conducting unit training and not a rigid standard. The MOS training plan 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 MOS training plan 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 MOS training plan. 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 MOS training plan.
- **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 publications 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, and so forth), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

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

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	- Biweekly
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 1/2

- 1 Administrative Tasks (SL-1/2)
- 2 Technical Tasks (SL-1/2)
- 3 ASI (H8) Recovery Tasks

Skill Level 3

- 4 Common Logistic Tasks (SL-3)
- 5 Technical Tasks (SL-3)

Skill Level 4

- 6 Common Logistics Management Tasks (SL-4)

2-3. Duty Position Training Requirements.

SKILL LEVEL	DUTY POSITION	SUBJECT AREA	CROSS TRAINING	TRAIN-UP MERGER
SL1/2	63H10	1-3	NA	NA
SL3	63H30	4-5	NA	NA
SL4	63H40	6	NA	NA

2-4. Critical Task List.**MOS TRAINING PLAN
63H14****CRITICALTASKS**

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 1					
1. Administrative Tasks (SL 1/2)	091-109-0001	Maintain Test, Measurement, and Diagnostic Equipment (TMDE)	AIT	SA	1/2
	091-109-0002	Maintain Assigned Vehicles (PMCS)	AIT	SA	1/2
	091-109-0003	Maintain Assigned Tool Kits	AIT	SA	1/2
	091-109-0006	Maintain Equipment Inspection and Maintenance Worksheet (DA Form 2404) and (DA Form 5988-E)	AIT	SA	1/2
2. Technical Tasks (SL 1/2)	091-63H-1003	Replace Engine/Transmission on a Track Vehicle (M113/M88/M993)	AIT	SA	1/2
	091-63H-1005	Replace Solenoids on a Track Vehicle Transmission (M113A3)	AIT	SA	1/2
	091-63H-1006	Replace Controller/Interface Assembly on a M993 Track Vehicle Transmission	AIT	SA	1/2
	091-63H-1014	Maintain Diesel Power Plant/Pack on a Track Vehicle (M113/M88/M993/M48A5)	AIT	SA	1/2
	091-63H-1015	Maintain Fuel System on a Track Vehicle (M88/M993/M113/M48A5)	AIT	BA	1/2
	091-63H-1016	Maintain Cooling System on a Track Vehicle (M88/M993/M113/M48A5)	AIT	BA	1/2
	091-63H-1017	Maintain Electrical System on a Track Vehicle (M88/M113/M993/M48A5)	AIT	BA	1/2
	091-63H-1018	Maintain Suspension System on a Track Vehicle (M88/M113)	AIT	BA	1/2
	091-63H-1019	Maintain Steering/Braking System on a Track Vehicle (M88/M113/M993/M48A5)	AIT	BA	1/2
	091-63H-1020	Maintain Hydraulic System on a Track Vehicle (M88/M113/M993/M48A5)	AIT	BA	1/2
	091-63H-1021	Maintain Fire Extinguisher/Suppression System on a M88A1 Track Vehicle	AIT	BA	1/2

CRITICALTASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-63H-1022	Maintain Auxiliary Power Unit (APU) System on a M88A1 Track Vehicle	AIT	BA	1/2
	091-63H-1023	Replace Control Differential on a Track Vehicle (M113A2)	AIT	BA	1/2
	091-63H-1024	Perform Engine Tune-up Procedures on a Track Vehicle (M88/M993/M48A5/M113)	AIT	BA	1/2
3. ASI (H8) Recovery Tasks	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 Services on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
	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 Winch on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
	091-H8T-2009	Recover a Mired Tracked Vehicle	ASI/SD	SA	1/2
Skill Level 3					
4. Common Logistic Tasks (SL 3)	091-CLT-3012	Interpret a Standard Army Maintenance System (SAMS) Generated Maintenance Report	BNCOC	AN	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

CRITICALTASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	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-3011	Deploy Maintenance Support Teams	BNCOC	AN	3
5. Technical Tasks (SL 3)	091-63H-3007	Perform Diagnostics on Pressure Timed (PT) Injection System on a M993 Track Vehicle	BNCOC	AN	3
	091-63H-3008	Perform Diagnostics on Unit Type Injection System on a M113 Series Track Vehicle	BNCOC	AN	3
	091-63H-3009	Perform Diagnostics on Distributor Type Injection System on a AVDS 1970 Series Engine (M88/M48A5)	BNCOC	AN	3
	091-63H-3025	Perform Diagnostics on Automatic Transmissions on a Track Vehicle (M113/M88/M993/M48A5)	BNCOC	AN	3
	091-63H-3120	Perform Diagnostics on Electrical Circuits on a Track Vehicle (M113/M88/M993/M48A5)	BNCOC	AN	3
	091-63H-3122	Perform Diagnostics on Hydraulic System on a Track Vehicle (M113/M88/M993/M48A5)	BNCOC	AN	3
	091-63H-3125	Perform Battlefield Damage Assessment and Repair (BDAR) on a Track Vehicle (M113/M88/M993/M48A5)	BNCOC	AN	3
	091-63H-3130	Perform Diagnostic on the Power Distribution on a M993 Track Vehicle	BNCOC	AN	3
	091-63H-3133	Perform Classification Inspections on Tactical Vehicles	BNCOC	AN	3
	091-63H-3136	Perform Diagnostics on a Track Vehicle Engine (M113/M88A1/M993/M48A5)	BNCOC	SA	3
	091-63H-3137	Perform Diagnostics on a Fuel System on a Track Vehicle (M113/M88A1/M993/M48A5)	BNCOC	SA	3
	091-63H-3138	Perform Diagnostics on Steering/ Brake System on a Track Vehicle (M113/M88A1/M993/M48A5)	BNCOC	SA	3

CRITICALTASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-63H-3139	Perform Diagnostics on the Auxiliary Power Unit (APU) on a M88A1 Track Recovery Vehicle	BNCOC	SA	3
	091-63H-3140	Perform Engine Tune-up Procedures			
	091-63H-3141	Perform Recovery Operation	BNCOC	SA	3
Skill Level 4					
6. Common Logistics Management Tasks (SL 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
	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

CRITICALTASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	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 (SL-1/2)

Maintain Test, Measurement, and Diagnostic Equipment (TMDE)

091-109-0001

Conditions: Given applicable TMDE, AR 750-43, TB 43-180, TM 11-6625-3052-14, TM 9-6625-2301-12&P, suitable tools, and suitable cleaning materials.

Standards: Maintained the TMDE in accordance with the applicable technical publications, procedures, and specifications. When this task was completed, the equipment was fully mission-capable, or maintenance actions had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable references.	—	—
2. Inspected TMDE for damage.	—	—
3. Tested-operated TMDE to determine proper operation.	—	—
4. Checked calibration date, if was required.	—	—
5. Cleaned and/or lubricated TMDE, if required.	—	—
6. Properly stored or packaged TMDE after maintenance or use.	—	—
7. Maintained the CTS.	—	—
8. Completed TAMMS forms, as required.	—	—
9. Performed required PMCS.	—	—
10. Maintained tools and equipment.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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&P	

Maintain Assigned Vehicles (PMCS)

091-109-0002

Conditions: In a field or garrison environment given an assigned vehicle; repair parts; POL products, if needed; additional tools and equipment as indicated in the technical manuals; DA PAM 738-750; other applicable technical publications and, necessary forms, and supervision/assistance.

Standards: Maintained assigned vehicle PMCS in accordance with the applicable technical publications, procedures, and specifications. When this task was completed, the vehicle was fully mission-capable, or deficiencies/shortcomings was annotated and required maintenance actions to be performed by other than assigned vehicle operator had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable technical publications.	—	—
2. Selected and used applicable tools and TMDE.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Performed PMCS in accordance with technical manual.	—	—
5. Annotated actions taken on DA Form 5988-E (Equipment Inspection Maintenance Worksheet) (EGA).	—	—
6. Maintained tools and equipment.	—	—

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

References

Required

- DA FORM 5988-E
- DA PAM 738-750

Related

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

Conditions: Given applicable tool kits, applicable references, TM 9-243, DA Form 5988-E, cleaning materials, and solvents or lubricants.

Standards: Inspected and serviced the assigned tool kits in accordance with the applicable technical publications procedures and specifications. When this task was completed, assigned tools were in operable condition, tool kits or sets were complete, or section chief or supervisor were notified of shortages

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable references.	—	—
2. Inspected tools for serviceability and accountability.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Identified damaged items and notified supervisor.	—	—
5. Applied lubricants or preservatives, as needed.	—	—
6. Annotated corrective actions taken on DA Form 5988-E.	—	—

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

References

Required

DA FORM 5988-E
TM 9-243

Related

**Maintain Equipment Inspection and Maintenance Worksheet (DA Form 2404) and
(DA Form 5988-E)
091-109-0006**

Conditions: In a garrison or field environment given required equipment, AR 750-1, DA Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 5988-E, DA PAM 738-750, and DA PAM 750-35.

Standards: DA Form 2404 and DA Form 5988-E were inspected and maintained in accordance with DA Pam 738-750 to ensure all required information had been correctly annotated.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Ensured all entries were completed as required.	—	—
3. Ensured all entries were corrected.	—	—
4. Ensured proper disposition of forms.	—	—

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

References

Required

- AR 750-1
- DA FORM 2404
- DA FORM 5988-E
- DA PAM 738-750
- DA PAM 750-35

Related

Subject Area 2: Technical Tasks (SL-1/2)

**Replace Engine/Transmission on a Track Vehicle (M113/M88/M993)
091-63H-1003**

Conditions: In a field or garrison environment given a track vehicle without transmission installed, transmission, general mechanic's tool kit, necessary equipment, DA Form 5988-E, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, 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 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, TM 9-2350-261-24P, TM 9-2520-254-34, TM 9-2815-219-34, TM 9-2815-220-34, and other applicable references.

Standards: Replaced the transmission assembly in accordance with applicable technical manuals. When this task was completed the equipment or end item was fully mission capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	_____	_____
2. Selected and used applicable technical publication.	_____	_____
3. Selected and used correct tools and TMDE.	_____	_____
4. Practiced shop safety and maintenance discipline.	_____	_____
5. Removed propeller shaft.	_____	_____
6. Removed line and linkages.	_____	_____
7. Removed transmission from power plant.	_____	_____
8. Separated transmission assembly.	_____	_____
9. Inspected transmission assembly.	_____	_____
10. Replaced seals as needed.	_____	_____
11. Installed transmission assembly.	_____	_____
12. Connected propeller shaft.	_____	_____
13. Connected lines and linkages.	_____	_____
14. Performed a final operational check to verify transmission had been replaced to specifications.	_____	_____
15. Completed DA Form 5988-E as required.	_____	_____
16. Maintained tools and equipment.	_____	_____

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

References

Required

TM 9-1450-646-10
TM 9-1450-646-20-1
TM 9-1450-646-20-2

Related

AR 385-10
DA PAM 738-750

References

Required

TM 9-1450-646-20-3
TM 9-1450-646-20-4
TM 9-1450-646-20-5
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 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P
TM 9-2520-254-34
TM 9-2815-219-34
TM 9-2815-220-34
DA FORM 5988-E

Related

DA PAM 738-751
FM 4-30.3
TM 9-2350-256-10
TM 9-2350-261-10

**Replace Solenoids on a Track Vehicle Transmission (M113A3)
091-63H-1005**

Conditions: In a field or garrison environment given a track vehicle without transmission installed, transmission, solenoid, general mechanic's tool kit, necessary equipment, TM 9-2350-277-10, TM 9-2350-277-20-1, TM 9-2350-277-20-2, TM 9-2350-277-20-3, TM 9-2350-277-24P, TM 9-2350-277-34, DA Form 5988-E, and other applicable references.

Standards: Replaced the transmission solenoid assembly in accordance with applicable technical manuals. When this task was completed, the equipment or end item was fully mission capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Selected and used applicable technical publications.	—	—
3. Selected and used applicable tools and TMDE.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Disconnected all applicable electrical connectors.	—	—
6. Removed solenoid from transmission.	—	—
7. Inspected solenoid.	—	—
8. Installed solenoid on transmission.	—	—
9. Connected all applicable electrical connectors.	—	—
10. Ensured task was performed to acceptable standards.	—	—
11. Performed a final inspection.	—	—
12. Performed a functional test on the transmission solenoid assembly.	—	—
13. Ensured tools and equipment were properly maintained.	—	—
14. Completed DA Form 5988-E, as required.	—	—

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

References

Required

TM 9-2350-277-10
 TM 9-2350-277-20-1
 TM 9-2350-277-20-2
 TM 9-2350-277-20-3
 TM 9-2350-277-24P
 TM 9-2350-277-34
 DA FORM 5988-E

Related

AR 385-10
 DA PAM 738-750
 DA PAM 738-751
 FM 4-30.3

**Replace Controller/Interface Assembly on a M993 Track Vehicle Transmission
091-63H-1006**

Conditions: In a field or garrison environment given a track vehicle without transmission installed, transmission, controller/interface assembly, general mechanic's tool kit, necessary equipment, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, DA Form 5988-E, and other applicable references.

Standards: Replaced the transmission controller/interface assembly in accordance with applicable technical manuals. When this task was completed the equipment or end item was fully mission capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Selected and used applicable publications.	—	—
3. Selected and used correct tools and TMDE.	—	—
4. Followed prescribed safety procedures.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Disconnected all applicable electrical connections.	—	—
7. Disconnected all applicable fittings.	—	—
8. Disconnected all applicable lines.	—	—
9. Removed controller/interface assembly from transmission.	—	—
10. Inspected controller/interface assembly from transmission.	—	—
11. Installed controller/interface assembly on transmission.	—	—
12. Connected all applicable electrical connections.	—	—
13. Connected all applicable fittings.	—	—
14. Connected all applicable lines.	—	—
15. Performed a final operational check to verify that controller/interface assembly was replaced to specifications.	—	—
16. Maintained tools and equipment.	—	—
17. Completed DA Form 5988-E, as required.	—	—

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

References

Required

DA FORM 5988-E
 TM 9-1450-646-10
 TM 9-1450-646-20-1
 TM 9-1450-646-20-2
 TM 9-1450-646-20-3

Related

AR 385-10
 DA PAM 738-750
 DA PAM 738-751
 FM 4-30.3

References

Required

TM 9-1450-646-20-4

TM 9-1450-646-20-5

Related

**Maintain Diesel Power Plant/Pack on a Track Vehicle (M113/M88/M993/M48A5)
091-63H-1014**

Conditions: In a field or garrison environment given a track vehicle, general mechanic's tool kit, necessary equipment, DA Form 5988-E, LO 5-5420-226-12, LO 9-1450-646-12, LO 9-2350-256-12, LO 9-2350-261-12, TM 5-5420-226-10, TM 5-5420-226-20-1, TM 5-5420-226-20-2, TM 5-5420-226-20-3, TM 5-5420-226-20-4, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, 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 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, TM 9-2350-261-24P, and other applicable references.

Standards: Maintained the diesel power plant/pack in accordance with applicable technical manuals. When this task was completed the equipment or end item was fully mission capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Selected and used applicable publications.	—	—
3. Selected and used correct tools and TMDE.	—	—
4. Followed prescribed safety procedures.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Disconnected all applicable fuel, oil, air, and coolant lines.	—	—
7. Disconnected all applicable electrical connections.	—	—
8. Removed diesel power plant.	—	—
9. Inspected diesel power plant.	—	—
10. Tested diesel power plant.	—	—
11. Connected all applicable fuel, oil, air, and coolant lines.	—	—
12. Connected all applicable electrical connections.	—	—
13. Replaced diesel power plant.	—	—
14. Adjusted systems and components.	—	—
15. Performed a final operational check to verify diesel power plant was replaced to specifications.	—	—
16. Maintained tools and equipment.	—	—
17. Completed DA Form 5988-E as required.	—	—

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

References

Required
DA FORM 5988-E
LO 5-5420-226-12

Related
AR 385-10
DA PAM 738-750

References

Required

LO 9-1450-646-12
LO 9-2350-256-12
LO 9-2350-261-12
TM 5-5420-226-10
TM 5-5420-226-20-1
TM 5-5420-226-20-2
TM 5-5420-226-20-3
TM 5-5420-226-20-4
TM 9-1450-646-10
TM 9-1450-646-20-1
TM 9-1450-646-20-2
TM 9-1450-646-20-3
TM 9-1450-646-20-4
TM 9-1450-646-20-5
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 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P

Related

DA PAM 738-751
FM 4-30.3
TM 9-2350-261-10

**Maintain Fuel System on a Track Vehicle (M88/M993/M113/M48A5)
091-63H-1015**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle; general mechanic's tool kit, special tools/TMDE, necessary safety equipment, replacement parts if needed; LO 5-5420-226-12, TM 5-5420-226-10, TM 5-5420-226-20-1, TM 5-5420-226-20-2, TM 5-5420-226-20-3, TM 5-5420-226-20-4, TM 9-1450-500-10, TM 9-1450-500-20, TM 9-1450-500-24P, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-24P-1, TM 9-2350-261-10, TM 9-2350-261-10-HR, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, TM 9-2350-261-24P, DA Form 5988-E, and other applicable forms and references.

Standards: Maintained track vehicle fuel systems in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Disconnected all applicable fuel lines and fitting.	—	—
6. Disconnected all applicable electrical connections.	—	—
7. Removed fuel pump and components.	—	—
8. Inspected track vehicle fuel system components, as required.	—	—
9. Connected all applicable fuel lines and fitting.	—	—
10. Connected all applicable electrical connections.	—	—
11. Replaced fuel pump and components.	—	—
12. Performed a final operational check to verify part was replaced to specifications.	—	—
13. Maintained tools and equipment.	—	—
14. Completed DA Form 5988-E as required.	—	—

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

References

Required

DA FORM 5988-E
LO 5-5420-226-12
TM 5-5420-226-10
TM 5-5420-226-20-1
TM 5-5420-226-20-2
TM 5-5420-226-20-3
TM 5-5420-226-20-4
TM 9-1450-500-10

Related

AR 385-10
AR 750-1
AR 750-43
LO 9-2350-261-12

References

Required

TM 9-1450-500-20
TM 9-1450-500-24P
TM 9-1450-646-10
TM 9-1450-646-20-1
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-256-24P-1
TM 9-2350-261-10
TM 9-2350-261-10-HR
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P

Related

**Maintain Cooling System on a Track Vehicle (M88/M993/M113/M48A5)
091-63H-1016**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit, special tools/TMDE, necessary safety equipment, replacement parts if needed; and applicable forms and references to include DA Form 5988-E, LO 5-5420-226-12, TM 5-5420-226-10, TM 5-5420-226-20-1, TM 5-5420-226-20-2, TM 5-5420-226-20-3, TM 5-5420-226-20-4, TM 9-1450-500-10, TM 9-1450-500-20, TM 9-1450-500-24P, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-24P-1, TM 9-2350-261-10, TM 9-2350-261-10-HR, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, and TM 9-2350-261-24P.

Standards: Maintained track vehicle cooling systems in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Verified work request.	—	—
6. Removed track vehicle cooling system components.	—	—
7. Inspected track vehicle cooling system components.	—	—
8. Cleaned track vehicle cooling system components mounting surface.	—	—
9. Replaced track vehicle cooling system components, as required.	—	—
10. Performed a final operational check to verify part was replaced to specifications.	—	—
11. Verified fault had been corrected.	—	—
12. Checked for leaks.	—	—
13. Completed DA Form 5988-E as required.	—	—
14. Maintained tools and equipment.	—	—

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

References

Required

- LO 5-5420-226-12
- TM 5-5420-226-10
- TM 5-5420-226-20-1
- TM 5-5420-226-20-2
- TM 5-5420-226-20-3
- TM 5-5420-226-20-4
- TM 9-1450-500-10
- TM 9-1450-500-20

Related

- AR 385-10
- AR 750-1
- AR 750-43
- LO 9-2350-261-12

References

Required

TM 9-1450-500-24P
TM 9-1450-646-10
TM 9-1450-646-20-1
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-256-24P-1
TM 9-2350-261-10
TM 9-2350-261-10-HR
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P
DA FORM 5988-E

Related

**Maintain Electrical System on a Track Vehicle (M88/M113/M993/M48A5)
091-63H-1017**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit, special tools/TMDE, necessary safety equipment, replacement parts if needed; and applicable forms and references including DA Form 5988-E, LO 5-5420-226-12, TM 5-5420-226-10, TM 5-5420-226-20-1, TM 5-5420-226-20-2, TM 5-5420-226-20-3, TM 5-5420-226-20-4, TM 9-1450-500-10, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, TM 9-1450-646-BD, TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-24P-1, TM 9-2350-261-10, TM 9-2350-261-10-HR, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, and TM 9-2350-261-24P.

Standards: Maintained track vehicle electrical system in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Verified work request.	—	—
6. Conducted troubleshooting of track vehicle electrical system and components.	—	—
7. Replaced track vehicle electrical system components, as required.	—	—
8. Performed a final operational check to verify part was replaced to specifications.	—	—
9. Verified fault had been corrected.	—	—
10. Maintained tools and equipment	—	—
11. Completed TAMMS forms as required.	—	—

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

References

Required

- LO 5-5420-226-12
- TM 5-5420-226-10
- TM 5-5420-226-20-1
- TM 5-5420-226-20-2
- TM 5-5420-226-20-3
- TM 5-5420-226-20-4
- TM 9-1450-500-10
- TM 9-1450-646-10
- TM 9-1450-646-20-1
- TM 9-1450-646-20-2
- TM 9-1450-646-20-3
- TM 9-1450-646-20-4
- TM 9-1450-646-20-5

Related

- AR 385-10
- AR 750-1
- AR 750-43
- LO 9-1450-646-12

References

Required

TM 9-1450-646-BD
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-256-24P-1
TM 9-2350-261-10
TM 9-2350-261-10-HR
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P

Related

**Maintain Suspension System on a Track Vehicle (M88/M113)
091-63H-1018**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit, special tools/TMDE, necessary safety equipment, replacement parts if needed; and applicable forms and references including DA Form 5988-E, TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-24P-1, TM 9-2350-261-10, TM 9-2350-261-10-HR, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, and TM 9-2350-261-24P.

Standards: Maintained track vehicle suspension systems in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Verified work request.	—	—
6. Inspected track vehicle suspension system and components.	—	—
7. Removed defective suspension system components, as required.	—	—
8. Replaced defective suspension system components, as required.	—	—
9. Verified fault had been corrected.	—	—
10. Performed a final operational check to verify part was replaced to specifications.	—	—
11. Maintained tools and equipment.	—	—
12. Completed DA Form 5988-E, as required.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 9-2350-261-10
- TM 9-2350-261-10-HR
- TM 9-2350-261-20-1
- TM 9-2350-261-20-2
- TM 9-2350-261-20-3
- TM 9-2350-261-24P
- DA FORM 5988-E

Related

- AR 385-10
- AR 750-1
- AR 750-43
- LO 9-2350-261-12

**Maintain Steering/Braking System on a Track Vehicle (M88/M113/M993/M48A5)
091-63H-1019**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit, special tools/TMDE, necessary safety equipment; replacement parts if needed, and applicable forms and references including DA Form 5988-E, LO 5-5420-226-12, TM 5-5420-226-10, TM 5-5420-226-20-1, TM 5-5420-226-20-2, TM 5-5420-226-20-3, TM 5-5420-226-20-4, TM 9-1450-500-10, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-24P-1, TM 9-2350-261-10, TM 9-2350-261-10-HR, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, and TM 9-2350-261-24.

Standards: Maintained track vehicle steering/braking system in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Inspected track vehicle steering and braking system and components.	—	—
6. Removed track vehicle steering and brake system components, as required.	—	—
7. Checked track vehicle steering and brake system components for leaks.	—	—
8. Verified fault had been corrected.	—	—
9. Performed a final operational check to verify part was replaced to specifications.	—	—
10. Verified fault had been corrected.	—	—
11. Maintained tools and equipment.	—	—
12. Completed DA Form 5988-E as required.	—	—

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

References

Required

- LO 5-5420-226-12
- TM 5-5420-226-10
- TM 5-5420-226-20-1
- TM 5-5420-226-20-2
- TM 5-5420-226-20-3
- TM 5-5420-226-20-4
- TM 9-1450-500-10
- TM 9-1450-646-10
- TM 9-1450-646-20-1
- TM 9-1450-646-20-2

Related

- AR 385-10
- AR 750-1
- AR 750-43
- LO 9-1450-646-12

References

Required

TM 9-1450-646-20-3
TM 9-1450-646-20-4
TM 9-1450-646-20-5
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-256-24P-1
TM 9-2350-261-10
TM 9-2350-261-10-HR
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P
DA FORM 5988-E

Related

**Maintain Hydraulic System on a Track Vehicle (M88/M113/M993/M48A5)
091-63H-1020**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit, special tools/TMDE, necessary safety equipment, replacement parts if needed; and applicable forms and references including DA Form 5988-E, LO 5-5420-226-12, TM 5-5420-226-10, TM 5-5420-226-20-1, TM 5-5420-226-20-2, TM 5-5420-226-20-3, TM 5-5420-226-20-4, TM 9-1450-500-10, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-24P-1, TM 9-2350-261-10, TM 9-2350-261-10-HR, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, and TM 9-2350-261-24P.

Standards: Maintained track vehicle hydraulic system in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. You will maintain the SVM, in accordance with applicable references and guidance provided by your instructor. Practiced maintenance discipline.	—	—
5. Verified work request.	—	—
6. Inspected track vehicle hydraulic system and components.	—	—
7. Removed track vehicle hydraulic system components, as required.	—	—
8. Replaced track vehicle hydraulic system components, as required.	—	—
9. Checked for leaks.	—	—
10. Performed a final operational check to verify part was replaced to specifications	—	—
11. Verified fault had been corrected.	—	—
12. Maintained tools and equipment.	—	—
13. Completed DA Form 5988-E as required.	—	—

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

References

Required

- LO 5-5420-226-12
- TM 5-5420-226-10
- TM 5-5420-226-20-1
- TM 5-5420-226-20-2
- TM 5-5420-226-20-3
- TM 5-5420-226-20-4
- TM 9-1450-500-10
- TM 9-1450-646-10

Related

- AR 385-10
- AR 750-1
- AR 750-43
- LO 9-1450-646-12

References

Required

TM 9-1450-646-20-1
TM 9-1450-646-20-2
TM 9-1450-646-20-3
TM 9-1450-646-20-4
TM 9-1450-646-20-5
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-256-24P-1
TM 9-2350-261-10
TM 9-2350-261-10-HR
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P
DA FORM 5988-E

Related

**Maintain Fire Extinguisher/Suppression System on a M88A1 Track Vehicle
091-63H-1021**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit, special tools/TMDE, necessary safety equipment; replacement parts if needed; and applicable forms and references including DA Form 5988-E, TM 9-2350-256-10, TM 9-2350-256-20, and TM 9-2350-256-24P-1.

Standards: Maintained track vehicle fire extinguisher/suppression system in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Verified work request.	—	—
6. Inspected track vehicle fire extinguisher/suppression system and components.	—	—
7. Replaced track vehicle fire extinguisher/suppression system components, as required.	—	—
8. Performed a final operational check to verify part was replaced to specifications.	—	—
9. Verified fault had been corrected.	—	—
10. Checked for leaks.	—	—
11. Maintained tools and equipment.	—	—
12. Completed DA Form 5988-E as required.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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
- DA FORM 5988-E

Related

- AR 385-10
- AR 750-1
- AR 750-43

**Maintain Auxiliary Power Unit (APU) System on a M88A1 Track Vehicle
091-63H-1022**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit, special tools/TMDE, necessary safety equipment; replacement parts if needed; and applicable forms and references including DA Form 5988-E, TM 9-2350-256-10, TM 9-2350-256-20, and TM 9-2350-256-24P-1.

Standards: Maintained M88A1 track vehicle APU in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Verified work request.	—	—
6. Inspected track vehicle APU system and components.	—	—
7. Troubleshoot APU system on track vehicle fuel system.	—	—
8. Removed track vehicle APU system components, as required.	—	—
9. Replaced track vehicle APU system components, as required.	—	—
10. Performed a final operational check to verify part was replaced to specifications.	—	—
11. Verified fault had been corrected.	—	—
12. Maintained tools and equipment.	—	—
13. Completed DA Form 5988-E as required.	—	—

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

References

Required	Related
TM 9-2350-256-10	AR 385-10
TM 9-2350-256-20	AR 750-1
TM 9-2350-256-24P-1	AR 750-43
DA FORM 5988-E	

**Replace Control Differential on a Track Vehicle (M113A2)
091-63H-1023**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit, special tools/TMDE, necessary safety equipment; replacement parts if needed; and applicable forms and references including TM 9-2350-261-10, TM 9-2350-261-10-HR, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, and TM 9-2350-261-24P

Standards: Replaced control differential on a track vehicle in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Verified work request.	—	—
6. Inspected track vehicle control differential.	—	—
7. Removed track vehicle control differential and components, as required.	—	—
8. Replaced track vehicle control differential and components, as required.	—	—
9. Verified fault had been corrected.	—	—
10. Checked for leaks.	—	—
11. Performed a final operational check to verify part was replaced to specifications.	—	—
12. Maintained tools and equipment.	—	—
13. Completed TAMMS forms, as required.	—	—

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

References

Required	Related
TM 9-2350-261-10	AR 385-10
TM 9-2350-261-10-HR	AR 750-1
TM 9-2350-261-20-1	AR 750-43
TM 9-2350-261-20-2	
TM 9-2350-261-20-3	
TM 9-2350-261-24P	

**Perform Engine Tune-up Procedures on a Track Vehicle (M88/M993/M48A5/M113)
091-63H-1024**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit, special tools/TMDE, necessary safety equipment; replacement parts if needed; and applicable forms and references including DA Form 5988-E, LO 5-5420-226-12, TM 5-5420-226-10, TM 5-5420-226-20-1, TM 5-5420-226-20-2, TM 5-5420-226-20-3, TM 5-5420-226-20-4, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, TM 9-1450-646-BD, TM 9-2350-261-10, TM 9-2350-261-10-HR, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, TM 9-2350-261-24P, TM 9-2815-219-34, and TM 9-2815-220-34.

Standards: Performed engine tune-up on a track vehicle in accordance with the applicable technical manual procedures and specifications. When this task was completed, the vehicle was fully mission-capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools and TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Verified work request.	—	—
6. Performed required PMCS.	—	—
7. Conducted troubleshooting of diesel engine on track vehicle.	—	—
8. Removed track vehicle engine components as required.	—	—
9. Replaced track vehicle engine components as required.	—	—
10. Performed a final operational check to verify part was replaced to specifications.	—	—
11. Verified fault had been corrected.	—	—
12. Maintained tools and equipment.	—	—
13. Completed DA Form 5988-E as required.	—	—

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

References

Required

- LO 5-5420-226-12
- TM 5-5420-226-10
- TM 5-5420-226-20-1
- TM 5-5420-226-20-2
- TM 5-5420-226-20-3
- TM 5-5420-226-20-4
- TM 9-1450-646-10
- TM 9-1450-646-20-1

Related

- AR 385-10
- AR 750-1
- AR 750-43
- LO 9-1450-646-12

References

Required

TM 9-1450-646-20-2
TM 9-1450-646-20-3
TM 9-1450-646-20-4
TM 9-1450-646-20-5
TM 9-1450-646-BD
TM 9-2350-261-10
TM 9-2350-261-10-HR
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P
TM 9-2815-219-34
TM 9-2815-220-34
DA FORM 5988-E

Related

Subject Area 3: ASI (H8) Recovery Tasks

Locate a Recovery Site

091-H8C-2001

Conditions: In a field or garrison environment given a representative wheel vehicle (M984 series), required materials, general mechanic's tool kit, and applicable references including FM 21-31, FM 3-25.26, TM 9-2320-279-10-1, TM 9-2320-279-10-2, TM 9-2320-279-20-1, TM 9-2320-279-20-2, TM 9-2320-279-20-3.

Standards: Located a recovery site to within 10 meters and identified primary and alternate recovery routes determining distance for both with no greater than a 10 percent error.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- FM 21-31
- FM 3-25.26
- TM 9-2320-279-10-1
- TM 9-2320-279-10-2
- TM 9-2320-279-20-1
- TM 9-2320-279-20-2
- TM 9-2320-279-20-3

Related

- TC 43-35

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

Conditions: In a field or garrison environment given a representative wheel vehicle (M984 series), required materials, general mechanic's tool kit, and applicable references including FM 5-125, TC 43-35, TM 9-2320-279-10-1, TM 9-2320-279-10-2 TM 9-2320-279-20-1, TM 9-2320-279-20-2, and TM 9-2320-279-20-3.

Standards: Determined recovery methods, source of effort, and mechanical advantage needed in accordance with 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- FM 5-125
- TC 43-35
- TM 9-2320-279-10-1
- TM 9-2320-279-10-2
- TM 9-2320-279-20-1
- TM 9-2320-279-20-2
- TM 9-2320-279-20-3

Related

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

Conditions: In a field or garrison environment given a representative wheel vehicle (M984 series), required materials, general mechanic's tool kit, FM 24-35, TM 11-5820-890-10-3, TM 9-2320-279-10-1, TM 9-2320-279-10-2, TM 9-2320-279-20-1, TM 9-2320-279-20-2, and TM 9-2320-279-20-3; and other applicable publications.

Standards: Stated the procedures for installing, operating, and use using correct radio procedures for clear, concise, and secure communications in accordance with the appropriate publications.

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

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

References

Required

- FM 24-35
- TM 11-5820-890-10-3
- TM 9-2320-279-10-1
- TM 9-2320-279-10-2
- TM 9-2320-279-20-1
- TM 9-2320-279-20-2
- TM 9-2320-279-20-3

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 field or garrison environment given a representative wheel vehicle (M984 series); required materials; general mechanic's tool kit; TC 9-237, TM 9-2320-279-10-1, TM 9-2320-279-10-2, TM 9-2320-279-20-1, TM 9-2320-279-20-2, and related references.

Standards: Stated the procedures for installing, operating, and use using correct radio procedures for clear, concise, and secure communications in accordance with the appropriate publications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

TC 9-237
 TM 9-2320-279-10-1
 TM 9-2320-279-10-2
 TM 9-2320-279-20-1
 TM 9-2320-279-20-2

Related

AR 385-10
 AR 750-1
 DA PAM 738-750
 TC 43-35
 TM 9-2320-279-20-3
 TM 9-243

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

Conditions: In a field or garrison environment given a representative track vehicle (M88 series), required materials, general mechanic's tool kit, TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, and other applicable publications.

Note. If representative equipment is not available, use applicable equipment and associated references.

Standards: Maintained the M88 series vehicle weapons in accordance with the preventive maintenance checks and services table and procedures and specifications of the applicable technical manual.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Used proper safety methods.	—	—
3. Disassembled machine gun.	—	—
4. Checked for broken or missing parts.	—	—
5. Ensured all parts were cleaned and lubricated.	—	—
6. Assembled machine gun.	—	—
7. Set head-space and timing.	—	—
8. Inspected machine gun mount for missing, cracked, or broken parts.	—	—
9. Ensured launcher tubes were free of rust, dirt, and corrosion.	—	—
10. Ensured that grenade launcher wiring harness connectors were connected.	—	—

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

References

Required	Related
TM 9-2350-256-10	AR 385-10
TM 9-2350-256-20	AR 750-1
TM 9-2350-256-24P-1	AR 750-43
TM 9-2350-256-24P-2	TM 9-8000

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

Conditions: In a field or garrison environment given a representative track vehicle (M88 series), required materials, general mechanic's tool kit, DA Form 2404, DA Form 5988-E, DA Pam 738-750, TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, and TM 9-2350-292-10, and other applicable forms and publications.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Inspected 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 or DA Form 5988-E in accordance with DA Pam 738-750.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	_____	_____
2. Selected and used proper tools/(TMDE).	_____	_____
3. Described operation of vehicle systems/subsystems.	_____	_____
4. Determined readiness of system components.	_____	_____
5. Identified deficiencies and shortcomings.	_____	_____
6. Corrected shortcomings identified as operator maintenance.	_____	_____
7. Followed prescribed safety procedures.	_____	_____

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

References

Required

- DA FORM 2404
- DA FORM 5988-E
- DA PAM 738-750
- 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

- AR 385-10
- AR 750-1
- AR 750-43
- TM 9-243
- TM 9-8000

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

Conditions: In a field or garrison environment given a representative track vehicle (M88 series), required materials, general mechanic's tool kit, 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, and other applicable forms and publications.

Note. If representative equipment is not available, use applicable equipment and associated references.

Standards: Removed, cleaned, and stored the recovery related COEI and BII in accordance with the procedures in TM 9-2350-256-10 and TM 9-2350-292-10.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Inventoried and determined serviceability of BII.	—	—
3. Repaired BII, as required.	—	—
4. Replaced BII, as required.	—	—
5. Used BII, as required.	—	—
6. Serviced BII, as required	—	—
7. Properly stored BII.	—	—
8. Followed prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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

- AR 750-1
- AR 750-43
- DA FORM 2404
- DA FORM 5988-E
- TM 9-8000

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

Conditions: In a field or garrison environment given a representative track vehicle (M88 series), required materials, general mechanic's tool kit, TAMMS forms; TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, and other applicable publications.

Note. If representative equipment is not available, use applicable equipment and associated references.

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

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Performed (PMCS).	—	—
3. Started engine.	—	—
4. Placed vehicle in motion.	—	—
5. Drove vehicle, maintaining proper engine speed when descending and ascending grades.	—	—
6. Drove vehicle in reverse.	—	—
7. Stopped vehicle.	—	—
8. Parked vehicle.	—	—
9. Stopped engine (normal and emergency procedures).	—	—
10. Completed TAMMS forms, as required.	—	—
11. Followed prescribed safety procedures.	—	—

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

References

Required	Related
TM 9-2350-256-10	AR 385-10
TM 9-2350-256-20	AR 750-1
TM 9-2350-256-24P-1	AR 750-43
TM 9-2350-256-24P-2	TM 9-243
	TM 9-8000

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

Conditions: In a field or garrison environment given a representative track vehicle (M88 series), required materials, general mechanic's tool kit, TM 9-2350-256-10, TM 9-2350-292-10, TM 9-2350-256-20, and other applicable publications.

Note. If representative equipment is not available, use applicable equipment and associated references.

Standards: Operated 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. Selected and used applicable publications.	—	—
2. Started APU.	—	—
3. Actuated generator switch to charge batteries.	—	—
4. Engaged hydraulic control levers to start refuel/defuel pump.	—	—
5. Connected and operated hydraulic equipment.	—	—
6. Shut down APU.	—	—
7. Followed prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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

AR 385-10
 AR 750-1
 AR 750-43
 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 9-243
 TM 9-8000

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

Conditions: In a field or garrison environment given a representative track vehicle (M88 series); required materials; general mechanic's tool kit, and applicable publications including TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-34-2.

Note. If representative equipment is not available, use applicable equipment and associated references.

Standards: Rigged and operated the boom on the M88A1/M88A2 track recovery vehicle in accordance with the procedures in TM 9-2350-256-10 or TM 9-2350-292-10.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Prepared vehicle for use of hydraulic equipment.	—	—
3. Operated boom.	—	—
4. Operated hoist winch.	—	—
5. Secured hydraulic equipment, as required.	—	—
6. Followed prescribed safety procedures.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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
- TM 9-2350-292-10

Related

- AR 385-10
- AR 750-1
- AR 750-43
- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2
- TM 9-2350-256-34-1
- TM 9-243
- TM 9-8000

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

Conditions: In a field or garrison environment, given a representative track vehicle (M88 series), required materials, general mechanic's tool kit, 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, and related references.

Note. If representative equipment is not available, use applicable equipment and associated references.

Standards: Operated the spade in accordance with applicable technical publication procedures and specifications without injury to personnel or damage to equipment. When this task was completed, the vehicle was fully mission capable, or required maintenance actions to be performed by other than H8 SL 1/2 personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Prepared vehicle for use of hydraulic equipment.	—	—
3. Operated spade.	—	—
4. Secured hydraulic equipment, as required.	—	—
5. Followed prescribed safety procedures.	—	—

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

References

Required	Related
TM 9-2350-256-10	AR 385-10
TM 9-2350-256-20	AR 750-1
TM 9-2350-256-24P-1	AR 750-43
TM 9-2350-256-24P-2	TM 9-243
TM 9-2350-292-10	TM 9-8000

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

Conditions: In a field or garrison environment given a representative track vehicle (M88 series); required materials; general mechanic's tool kit; and required publications including 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, and TM 9-2350-292-10.

Note. If representative equipment is not available, use applicable equipment and associated references.

Standards: Operated the main winch and auxiliary winch in accordance with 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. Selected and used applicable publications.	—	—
2. Prepared vehicle for use of hydraulic equipment.	—	—
3. Operated main winch.	—	—
4. Secured hydraulic equipment, as required.	—	—
5. Followed prescribed safety procedures.	—	—

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

References

Required	Related
TM 9-2350-256-10	AR 385-10
TM 9-2350-256-20	AR 750-1
TM 9-2350-256-24P-1	AR 750-43
TM 9-2350-256-24P-2	TM 9-243
TM 9-2350-256-34-1	TM 9-8000
TM 9-2350-256-34-2	
TM 9-2350-292-10	

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

Conditions: In a field or garrison environment given a representative track vehicle (M88 series); required materials; general mechanic's tool kit; and applicable publications including 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, and TM 9-2350-256-34-2.

Note. If representative equipment is not available, use applicable equipment and associated references.

Standards: Accomplished task in accordance with applicable technical manual's procedures and specifications. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Determined method of rigging.	—	—
3. Attached cables to the mired vehicle.	—	—
4. Prepared recovery vehicle for recovery operations.	—	—
5. Established communications between vehicles.	—	—
6. Recovered mired vehicle ensuring that all safety practices were followed.	—	—
7. Secured recovery equipment.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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

Related

AR 385-10
 AR 750-10
 AR 750-43
 DA PAM 738-750
 TM 9-243
 TM 9-8000

Skill Level 3

Subject Area 4: Common Logistic Tasks (SL3)

**Interpret a Standard Army Maintenance System (SAMS) Generated Maintenance Report
091-CLT-3012**

Conditions: In a field or garrison environment given a computer system or systems with SAMS-1 software, database of equipment files, SAMS operator, AISM 18-L21-AHN-BUR-UM, AISM 18-L26-AHO-BUR-EM, DA Form 2407, DA PAM 738-750, and applicable references.

Standards: Supervised SAMS-1 functions of a direct support level maintenance shop in accordance with applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Ensured SAMS operator was adequately trained.	—	—
3. Reviewed the SAMS-1 system and the flow of information to and from system interfaces.	—	—
4. Reviewed the purpose and use of SAMS-1 categories and codes.	—	—
5. Supervised the processing of maintenance requests (DA Form 2407).	—	—
6. Interpreted SAMS-1 reports to identify maintenance trends and problems.	—	—
a. Bench stock listing (AHN-023).		
b. Shop section summary (AHN-006).		
c. Work order detail (AHN-018).		
d. Shop stock list (AHN-002).		
e. Production backlog (AHN-022).		
f. Equipment status listing (AHN-021).		
7. Requested and interpreted ad hoc reports, as necessary.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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
 DA FORM 2407
 DA PAM 738-750

Related

**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 including AR 190-13, AR 220-1, AR 700-138, AR 750-1, DA PAM 738-750, FM 4-30.3, and TB 43-180.

Standards: Ensured that personnel followed all safety procedures, preventable accidents were avoided and if accidents occurred they were properly recorded and reported in accordance with 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 190-13	AR 385-10
AR 220-1	AR 385-40
AR 700-138	AR 385-55
AR 750-1	
DA PAM 738-750	
FM 4-30.3	
TB 43-180	

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

Conditions: In a field or garrison environment given publications and storage location; local and higher headquarters publications indexes and publications procedures; SOP, and applicable forms and references including AR 25-400-2, DA Form 17 (Requisition for Publications and Blank Forms), DA Form 4569-1-R (Security Assistance Publication Requisition Code Sheet), DA Form 17-1 (Requisition for Publications and Blank Forms Continuation Sheet), DA Pam 25-30, DA Pam 25-33, and DA PAM 25-40.

Standards: Ensured required publications were on hand or ordered, publications were arranged and maintained properly, forms and records were properly maintained, and changes were posted in accordance with 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 or on order were the most current in accordance with DA Pam 25-30.	—	—
4. Ensured that doctrinal, training, and organizational publications on hand or on order were the most current in accordance with DA Pam 25-30 and local listings.	—	—
5. Ensured that administrative publications on hand or on order were the most current in accordance with DA Pam 25-30.	—	—
6. Ensured that local and higher headquarters publications on hand or on order were the most current in accordance with DA Pam 25-30 and local listings.	—	—
7. Prepared DA Form 4569-1-R (Security Assistance Publication Requisition Code Sheet) in accordance with DA Pam 25-33.	—	—
8. Prepared the required transmittal form in accordance with DA Pam 25-33.	—	—
9. Prepared DA Form 17 (Requisition for Publications and Blank Forms) and DA Form 17-1 (Requisition for Publications and Blank Forms (Continuation Sheet) to request local and higher headquarters publications in accordance with DA Pam 25-33 and local or higher headquarters publications requisitioning procedures.	—	—
10. Ensured that published changes were posted to applicable publications in accordance with DA Pam 25-40 and publications change instructions.	—	—
11. Removed obsolete, rescinded, or superseded publications from library in accordance with DA Pam 25-40 and publications change instructions.	—	—
12. Arranged publications in proper order and in a suitable location in accordance with DA Pam 25-40.	—	—
13. Labeled binders used for storing library publications in accordance with AR 25-400-2 and DA Pam 25-40.	—	—
14. Notified personnel to return loaned publications to the library in a timely manner in accordance with publications library SOP.	—	—
15. Updated Army Publishing Directorate, local, and higher headquarters publications accounts, as required, in accordance with DA Pam 25-33 and local or higher headquarters publications account instructions.	—	—

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

References

Required

AR 25-400-2
DA FORM 17
DA FORM 17-1
DA PAM 25-30
DA PAM 25-33
DA PAM 25-40

Related

AR 25-11

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

Conditions: In a field or garrison environment given FM 4-30.3, a maintenance site, maintenance personnel, applicable equipment, and maintenance shop/section SOP.

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

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured SOP and required reference were available.	—	—
2. Identified commander's maintenance requirements for accomplishing the unit mission.	—	—
3. Set up the maintenance facility in accordance with SOP.	—	—

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

References

Required
FM 4-30.3

Related

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

Conditions: In a field or garrison environment given FM 4-30.3, higher headquarters SOP 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 in accordance with 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
FM 4-30.3

Related

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

Conditions: In a field or garrison environment given applicable supply catalogs; applicable references including 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, and FM 4-30.3; and DA Forms 2062 (Hand Receipt/Annex Number).

Standards: Managed tool control procedures in accordance with 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 in accordance with 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 FORM 2062
- DA PAM 710-2-1
- FM 101-5-1
- FM 4-30.3

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, AR 190-13, and AR 190-51.

Standards: Managed key control procedures in accordance with 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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, AR 750-43, and TB 43-180.

Standards: Managed the TMDE calibration program in accordance with 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 were conducted, as required.	—	—
4. Ensured TMDE was turned in for calibration in accordance with computer printouts.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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/OPORD, operational overlay, grid coordinates of destination, vehicle with personnel, FM 4-30.3, FM 5-170, and applicable references.

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

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Conducted a map reconnaissance of the terrain and route.	—	—
3. Selected personnel for reconnaissance team.	—	—
4. Conducted a route reconnaissance to determine best access to destination and to ensure safety of personnel and equipment.	—	—
5. Conducted a terrain reconnaissance to determine suitability for maintenance site use and 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
FM 4-30.3
FM 5-170

Related

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

Conditions: In a field or garrison environment given maintenance personnel; equipment; maintenance facility/site; SOP; applicable references including AR 385-10, AR 385-40, AR 385-55, AR 600-55, AR 700-138, AR 700-4, AR 710-2, AR 725-50, AR 735-5, AR 750-1, AR 750-43, DA PAM 25-30, DA PAM 710-2-1, DA PAM 710-2-2, DA PAM 738-750, DA PAM 750-1, DA PAM 750-35, FM 4-30.3; and local major command (MACOM) policies.

Standards: Established and maintained an effective maintenance shop operation in accordance with SOP and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed unit SOP as scheduled.	—	—
2. Compared unit SOP against standards set in DA Pam 750-35.	—	—
3. Completed regular inspection of unit operations.	—	—
4. Compared unit operations against standards in AR 750-1, DA Pam 738-750 and DA Pam 750-35.	—	—
5. Inspected environmental protection practices for compliance.	—	—
6. Reviewed safety program practices for compliance with AR 385-55.	—	—
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 and applicable user's manual.	—	—
11. Coordinated with appropriate maintenance level to correct maintenance discrepancies.	—	—
12. Coordinated with the TRADOC and AMC to ensure that emerging issues were addressed appropriately at the unit.	—	—

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

References

Required	Related
AR 385-10	
AR 385-40	
AR 385-55	
AR 600-55	
AR 700-138	
AR 700-4	
AR 710-2	
AR 725-50	
AR 735-5	
AR 750-1	
AR 750-43	

References

Required

DA PAM 25-30
DA PAM 710-2-1
DA PAM 710-2-2
DA PAM 738-750
DA PAM 750-1
DA PAM 750-35
FM 4-30.3

Related

**Interpret Maintenance Operational Overlay
091-CLT-3010**

Conditions: In a field or garrison environment given an operational overlay, map, maintenance situation/operations order (OPORD), FM 101-5-1, FM 4-30.3, FM 5-170, and other applicable references.

Standards: Interpreted the maintenance operational overlay by identifying key features and elements of the area of operations in accordance with 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 operations on the map and operational overlay.	—	—
5. Updated the operational overlay, as necessary.	—	—

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

References

Required
FM 101-5-1
FM 4-30.3
FM 5-170

Related

Deploy Maintenance Support Teams
091-CLT-3011

Conditions: In a field or garrison environment given a request for maintenance support/maintenance situation, map, operational overlay, grid coordinates of destination, vehicles, equipment, maintenance personnel, FM 4-30.3, and other applicable references.

Standards: Deployed the maintenance support team in accordance with the maintenance situation or 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 support team, including personnel with applicable military occupational specialties (MOSs), vehicles, 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 operational overlay.		
b. Conducted a map reconnaissance of the route and destination.		
6. Deployed the maintenance support team.	—	—

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

References

Required
FM 4-30.3

Related
FM 101-5-1
FM 5-170

**Interpret a Standard Army Maintenance System (SAMS) Generated Maintenance Report
091-CLT-3012**

Conditions: In a field or garrison environment, given a computer system or systems with SAMS-1 software, database of equipment files, SAMS operator, AISM 18-L21-AHN-BUR-UM, AISM 18-L26-AHO-BUR-EM, DA Form 2407, DA PAM 738-750, and applicable references.

Standards: Supervised SAMS-1 functions of a direct support (DS) level maintenance shop in accordance with applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Ensured SAMS operator was adequately trained.	—	—
3. Reviewed the SAMS-1 system and the flow of information to and from system interfaces.	—	—
4. Reviewed the purpose and use of SAMS-1 categories and codes.	—	—
5. Supervised the processing of maintenance requests (DA Form 2407).	—	—
6. Interpreted SAMS-1 reports to identify maintenance trends and problems.	—	—
a. Bench stock listing (AHN-023).		
b. Shop section summary (AHN-006).		
c. Work order detail (AHN-018).		
d. Shop stock list (AHN-002).		
e. Production backlog (AHN-022).		
f. Equipment status listing (AHN-021).		
7. Requested and interpreted ad hoc reports, as necessary.	—	—

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

References

Required	Related
AISM 18-L21-AHN-BUR-UM	
AISM 18-L26-AHO-BUR-EM	
DA Form 2407	
DA PAM 738-750	

Subject Area 5: Technical Tasks (SL 3)

**Perform Diagnostics on Pressure Timed (PT) Injection System on a M993 Track Vehicle
091-63H-3007**

Conditions: In a garrison or shop environment given a vehicle that idles rough and does not reach full power, replacement parts, required safety equipment, appropriate cleaning and lubricating materials, necessary tools, AR 385-10, FM 4-30.3, TM 9-2520-281-34, TM 9-2815-219-34, and other appropriate references, and other required hardware.

Standards: Inspected, tested, and adjusted the fuel system and replaced its components in accordance with applicable technical publications, procedures, and specifications. Following these procedures the engine must and started and ran normally at both idle speed and high RPM, and the vehicle was fully mission capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Performed initial inspection.	—	—
3. Determined maintenance action to be performed.	—	—
4. Ensured task was within shop capability/authorization.	—	—
5. Ensured proper tools were available to perform this task.	—	—
6. Ensured parts were identified and requisitioned as required.	—	—
7. Ensured applicable publications were available.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions were followed.	—	—
10. Provided assistance if needed.	—	—
11. Ensured task was performed to acceptable standards.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed a final inspection.	—	—
14. Performed functional test of fuel system.	—	—
15. Critiqued personnel on task performance.	—	—

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

References

Required

- AR 385-10
- FM 4-30.3
- TM 9-2520-281-34
- TM 9-2815-219-34

Related

**Perform Diagnostics on Unit Type Injection System on a M113 Series Track Vehicle
091-63H-3008**

Conditions: In a garrison or shop environment given a vehicle that idles rough and does not reach full power, replacement parts, required safety equipment, appropriate cleaning and lubricating materials, necessary tools, TM 9-2350-261-10, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, TM 9-8000, other appropriate references, and other required hardware.

Standards: Inspected, tested, and adjusted the fuel system and adjusted and replaced its components in accordance with applicable technical publications' procedures and specifications. Following these procedures, the engine started and ran normally at both idle speed and high RPM, and the vehicle be was fully mission capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Performed initial inspection.	—	—
3. Determined maintenance action to be performed.	—	—
4. Ensured task was within shop capability/authorization.	—	—
5. Ensured proper tools were available to perform this task.	—	—
6. Ensured parts were identified and requisitioned as required.	—	—
a. Performed fuel pressure sensor test.		
b. Performed throttle position sensor test.		
c. Performed cylinder cutout test.		
d. Performed injector response time test.		
e. Performed engine compression test.		
7. Ensured applicable publications were available.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions are followed.	—	—
10. Provided assistance if needed.	—	—
11. Ensured task was performed to acceptable standards.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed a final inspection.	—	—
14. Performed functional test of fuel system.	—	—
15. Critiqued personnel on performance of the task.	—	—

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

References

Required

TM 9-2350-261-10
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-8000

Related

DA PAM 738-750
DA PAM 738-751
FM 4-30.3
TM 9-2520-272-34&P

**Perform Diagnostics on Distributor Type Injection System on a AVDS 1970 Series Engine
(M88/M48A5)
091-63H-3009**

Conditions: In a garrison or shop environment given a vehicle that idles rough and does not reach full power, replacement parts, required safety equipment, appropriate cleaning and lubricating materials, necessary tools, DA PAM 738-751, FM 4-30.3, TM 9-2815-220-34, TM 9-8000, other appropriate references, and other required hardware.

Standards: Performed diagnostics on the distributor type injection system in accordance with applicable technical manual procedures and specifications. When this task was completed the equipment or end item was fully mission capable, or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Performed initial inspection.	—	—
3. Determined maintenance action to be performed.	—	—
4. Ensured task was within shop capability/authorization.	—	—
5. Ensured proper tools were available to perform this task.	—	—
6. Ensured parts were identified and requisitioned as required.	—	—
7. Ensured applicable publications were available.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions were followed.	—	—
10. Provided assistance if needed.	—	—
11. Ensured task was performed to acceptable standards.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed a final inspection.	—	—
14. Performed functional test of fuel system.	—	—
15. Critiqued personnel on task performance.	—	—
16. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

DA PAM 738-751
FM 4-30.3
TM 9-2815-220-34
TM 9-8000

Related

AR 385-10
DA PAM 738-750

**Perform Diagnostics on Automatic Transmissions on a Track Vehicle (M113/M88/M993/M48A5)
091-63H-3025**

Conditions: In a garrison or shop environment, given a vehicle with a transmission that is excessively noisy during operation, replacement parts, required safety equipment, appropriate cleaning and lubricating materials, necessary tools and other required hardware, and applicable references including TM 9-2520-215-34, TM 9-2520-223-34&P, TM 9-2520-272-34&P, and TM 9-2520-281-34

Standards: Inspected, tested, and adjusted the transmission in accordance with applicable technical publications, procedures, and specifications. Following these procedures the transmission was serviceable and ready for installation in a vehicle.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Performed initial inspection.	—	—
3. Determined maintenance action to be performed.	—	—
4. Ensured task was within shop capability/authorization.	—	—
5. Ensured proper tools were available to perform this task.	—	—
6. Ensured parts were identified and requisitioned as required.	—	—
a. Performed pressure test.		
b. Verified error code.		
7. Ensured applicable publications were available.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions were followed.	—	—
10. Provided assistance if needed.	—	—
11. Ensured task was performed to acceptable standards.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed a final inspection.	—	—
14. Performed functional test of transmission.	—	—
15. Critiqued personnel on task performance.	—	—
16. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

- TM 9-2520-215-34
- TM 9-2520-223-34&P
- TM 9-2520-272-34&P
- TM 9-2520-281-34

Related

- AR 385-10
- DA PAM 738-750
- FM 4-30.3
- TM 9-2520-246-34
- TM 9-2520-254-34
- TM 9-2520-270-34

**Perform Diagnostics on Electrical Circuits on a Track Vehicle (M113/M88/M993/M48A5)
091-63H-3120**

Conditions: In a field or garrison environment given a track vehicle, necessary tools and test equipment, replacement parts if needed, and other applicable references including TM 9-2350-277-20-1, TM 9-2350-277-20-2, TM 9-2350-277-20-3, TM 9-2815-219-34, TM 9-2815-220-34, and TM 9-2815-242-34.

Standards: Performed diagnostics on a selected tracked vehicle in accordance with applicable technical publications' procedures and specifications. When this task was completed, the vehicle was fully mission capable or required maintenance actions to be performed by other than 63H personnel had been identified

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensure applicable technical publications were available.	—	—
4. Ensured proper tools were available to inspect, repair/replace, and test the electrical circuits.	—	—
5. Performed initial inspection.	—	—
6. Diagnosed electrical circuit faults, and determined maintenance actions to be performed.	—	—
7. Identified and requisitioned repair parts, if required.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions and procedures were followed.	—	—
10. Provided assistance when needed.	—	—
11. Ensured task was performed in accordance with the applicable technical manuals and references.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed a final inspection to ensure the electrical circuits were fully mission capable.	—	—
14. Critiqued personnel on task performance.	—	—
15. Ensured maintenance forms were completed, as required.	—	—
16. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

TM 9-2350-277-20-1
 TM 9-2350-277-20-2
 TM 9-2350-277-20-3
 TM 9-2815-219-34

Related

AR 385-10
 DA PAM 738-750
 DA PAM 738-751
 FM 4-30.3

References

Required

TM 9-2815-220-34

TM 9-2815-242-34

Related

TM 9-2350-277-10

TM 9-2920-225-34

TM 9-8000

**Perform Diagnostics on Hydraulic System on a Track Vehicle (M113/M88/M993/M48A5)
091-63H-3122**

Conditions: In a garrison or shop environment given a vehicle that has a hydraulic oil leak; hydraulic system; replacement parts; required safety equipment; appropriate cleaning and lubricating materials; necessary tools and other required hardware; and applicable references including TM 5-5420-226-10, TM 5-5420-226-20-1, TM 5-5420-226-20-2, TM 5-5420-226-20-3, TM 5-5420-226-20-4, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, TM 9-2350-256-10, TM 9-2350-256-34-1, TM 9-2350-256-34-2, TM 9-2350-261-10, TM 9-2350-261-20-1, TM 9-2350-261-20-2, TM 9-2350-261-20-3, TM 9-2815-219-34, TM 9-2815-220-34, and TM 9-2815-242-34.

Standards: Inspected, tested, and adjusted the hydraulic system in accordance with applicable technical publications' procedures and specifications. Following these procedures the vehicle did not leak oil and was fully mission capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools were available to inspect, repair/replace, and test the hydraulic systems.	—	—
5. Performed initial inspection.	—	—
6. Diagnosed hydraulic system faults, and determined maintenance actions to be performed.	—	—
7. Identified and requisitioned repair parts, if required.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions and procedures were followed.	—	—
10. Provided assistance when needed.	—	—
11. Ensured task was performed in accordance with the applicable technical manuals and references.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed functional test of the hydraulic systems.	—	—
14. Performed a final inspection to ensure the hydraulic systems were fully mission capable.	—	—
15. Critiqued personnel on task performance.	—	—
16. Ensured maintenance forms were completed, as required.	—	—
17. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

TM 5-5420-226-10
TM 5-5420-226-20-1
TM 5-5420-226-20-2
TM 5-5420-226-20-3
TM 5-5420-226-20-4
TM 9-1450-646-10
TM 9-1450-646-20-1
TM 9-1450-646-20-2
TM 9-1450-646-20-3
TM 9-1450-646-20-4
TM 9-1450-646-20-5
TM 9-2350-256-10
TM 9-2350-256-34-1
TM 9-2350-256-34-2
TM 9-2350-261-10
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2815-219-34
TM 9-2815-220-34
TM 9-2815-242-34

Related

AR 385-10
DA FORM 2407
DA PAM 738-750
FM 4-30.3
TM 9-2350-256-20
TM 9-8000

**Perform Battlefield Damage Assessment and Repair (BDAR) on a Track Vehicle
(M113/M88/M993/M48A5)
091-63H-3125**

Conditions: In a garrison or shop environment given a disabled track vehicle; maintenance team; BDAR kit; and applicable forms and references including DA FORM 2404, DA FORM 2407, DA Form 5988-E, DA Pam 738-750, DA Pam 738-751, FM 4-30.3, FM 9-43-2, TM 9-1450-646-BD, TM 9-2350-275-BD, and TM 9-6115-624-BD; and other applicable references and equipment.

Standards: Performed BDAR to restore a disabled piece of equipment to the minimum essential combat capabilities necessary to support a specific combat mission or to enable the equipment to self-recover. Completed all required paper-work in accordance with applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools and BDAR kit.	—	—
3. Followed prescribed safety procedures.	—	—
4. Ensured that the proper battlefield assessment procedures were followed: <ul style="list-style-type: none"> a. Reviewed the operator/crew assessment and the safety checks made. b. Interviewed the operator/crew, if available. c. Visually inspected equipment. d. Performed self-test. e. Tested equipment with the organizational/direct support maintenance equipment. 	—	—
5. Verified fault had been corrected.	—	—
6. Performed a final operational check to verify part was replaced to specifications.	—	—
7. Completed DA Forms 5988-E, as required.	—	—
8. Ensured a system assessment summary was filled out correctly and turned in.	—	—
9. Maintained tools and equipment.	—	—

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

References

Required

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- DA PAM 738-751
- FM 4-30.3
- TM 9-1450-646-BD
- TM 9-2350-275-BD
- TM 9-6115-624-BD

Related

- DD FORM 1577
- DD FORM 1577-1
- DD FORM 1577-2
- DD FORM 1577-3

**Perform Diagnostic on the Power Distribution on a M993 Track Vehicle
091-63H-3130**

Conditions: In a garrison or shop environment given necessary equipment, tools, materials, DA FORM 2404, DA FORM 2407, DA Form 5988-E, DA PAM 738-750, DA PAM 738-751, FM 4-30.3, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, TM 9-2520-281-34, TM 9-2815-219-34, TM 9-2815-242-34, and other applicable references.

Standards: Performed diagnostic on the power distribution system on a track vehicle in accordance with applicable references without causing damage to equipment and injury to personnel. When this task was completed, the vehicle or equipment was fully mission- capable, or required maintenance actions by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools and BDAR kit.	—	—
3. Followed prescribed safety procedures.	—	—
4. Performed diagnostic test.	—	—
5. Performed a final operational check to verify part was replaced to specifications.	—	—
6. Verified fault had been corrected.	—	—
7. Maintained tools and equipment.	—	—
8. Completed DA Forms 5988-E, as required.	—	—

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

References

Required

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- DA PAM 738-751
- FM 4-30.3
- TM 9-1450-646-10
- TM 9-1450-646-20-1
- TM 9-1450-646-20-2
- TM 9-1450-646-20-3
- TM 9-1450-646-20-4
- TM 9-1450-646-20-5
- TM 9-2520-281-34
- TM 9-2815-219-34
- TM 9-2815-242-34

Related

- DD FORM 1577
- DD FORM 1577-1
- DD FORM 1577-2
- DD FORM 1577-3
- TM 750-245-4

**Perform Classification Inspections on Tactical Vehicles
091-63H-3133**

Conditions: In a field or garrison environment given unserviceable equipment that needs to be classified; required tools; TMDE; AR 750-1, DA PAM 738-750, FM 4-30.3, TM 750-245-4, and required and The Army Maintenance Management System (TAMMS) forms; and other applicable references and forms.

Standards: Inspected and tested the equipment in accordance with procedures and specifications in applicable technical manuals. Final disposition was in accordance with AR 750-1.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed the work order.	—	—
2. Adhered to TAMMS procedures.	—	—
3. Used applicable publications.	—	—
4. Performed initial inspection.	—	—
5. Determined extent of damage to equipment.	—	—
6. Determined disposition.	—	—
7. Completed TAMMS forms, as required.	—	—

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

References

Required

- AR 750-1
- DA PAM 738-750
- FM 4-30.3
- TM 750-245-4

Related

- AR 385-10

**Perform Diagnostics on a Track Vehicle Engine (M113/M88A1/M993/M48A5)
091-63H-3136**

Conditions: In a field or garrison environment given an applicable vehicle; general mechanic's tool kit; additional tools; TMDE; equipment as indicated in the appropriate technical manuals: a maintenance request or equipment inspection worksheet describing equipment malfunctions; and applicable references including TM 9-1450-646-20-1; TM 9-1450-646-20-2; TM 9-1450-646-20-3; TM 9-1450-646-20-4; TM 9-1450-646-20-5; TM 9-2350-256-10; TM 9-2350-256-20; TM 9-2350-261-10; TM 9-2350-261-20-1; TM 9-2350-261-20-2; TM 9-2350-261-20-3; TM 9-2350-277-20-1; TM 9-2350-277-20-2; TM 9-2350-277-20-3; TM 9-2350-292-20-2; TM 9-2815-219-34; TM 9-2815-220-34; and TM 9-2815-242-34.

Standards: Performed diagnostics on track vehicle engines in accordance with the applicable technical publication procedures and specifications. (See maintenance allocation chart for exact procedures authorized for each MOS and skill level. When this task was completed, the vehicle or equipment was fully mission-capable, or required maintenance actions by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensure applicable technical publications were available.	—	—
4. Ensured proper tools were available to inspect, repair/replace, and test the diesel engines.	—	—
5. Performed initial inspection.	—	—
6. Diagnosed diesel engine faults, and determined maintenance actions to be performed.	—	—
7. Identified and requisitioned replacement parts if required.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions and procedures were followed.	—	—
10. Provided assistance when needed.	—	—
11. Ensured task was performed in accordance with appropriate technical manuals and references.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed a final inspection to ensure the diesel engines were fully mission-capable.	—	—
14. Critiqued personnel on task performance.	—	—
15. Ensured maintenance forms were completed, as required.	—	—
16. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

TM 9-1450-646-20-1
TM 9-1450-646-20-2
TM 9-1450-646-20-3
TM 9-1450-646-20-4
TM 9-1450-646-20-5
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-261-10
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-277-20-1
TM 9-2350-277-20-2
TM 9-2350-277-20-3
TM 9-2350-292-20-2
TM 9-2815-219-34
TM 9-2815-220-34
TM 9-2815-242-34

Related

AR 385-10
AR 750-1
AR 750-43

**Perform Diagnostics on a Fuel System on a Track Vehicle (M113/M88A1/M993/M48A5)
091-63H-3137**

Conditions: In a field or garrison environment given an applicable vehicle; general mechanic's tool kit; additional tools; TMDE; equipment as indicated in the technical manuals; a maintenance request or equipment inspection worksheet describing equipment malfunctions; TM 9-2815-219-34; TM 9-2815-220-34; TM 9-2815-242-34 and other applicable publications.

Standards: Performed diagnostics on a track vehicle fuel system in accordance with the applicable technical publication procedures and specifications. (See maintenance allocation chart for exact procedures authorized for each MOS and skill level). When this task was completed, the vehicle or equipment was fully mission-capable, or required maintenance actions by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools were available to inspect, replace, and test the fuel system.	—	—
5. Performed initial inspection.	—	—
6. Diagnosed fuel system faults, and determined maintenance actions to be performed.	—	—
7. Identified replacement parts and requisition, if required.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions and procedures were followed.	—	—
10. Provided assistance when needed.	—	—
11. Ensured task was performed in accordance with appropriate technical manuals and references.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed a final inspection to ensure the fuel system was fully mission-capable.	—	—
14. Critiqued personnel on task performance.	—	—
15. Ensured maintenance forms were completed, as required.	—	—
16. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

TM 9-2815-219-34
 TM 9-2815-220-34
 TM 9-2815-242-34

Related

AR 385-10
 AR 750-1
 AR 750-43
 TM 9-1450-646-10

**References
Required**

Related

TM 9-1450-646-20-1
TM 9-1450-646-20-2
TM 9-1450-646-20-3
TM 9-1450-646-20-4
TM 9-1450-646-20-5
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-261-10
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-8000

**Perform Diagnostics on Steering/ Brake System on a Track Vehicle (M113/M88A1/M993/M48A5)
091-63H-3138**

Conditions: In a field or garrison environment given a maintenance request or equipment inspection worksheet describing equipment malfunctions; required tools; test equipment and vehicle; and applicable references including AR 385-10, TM 5-5420-226-10, TM 5-5420-226-20-1, TM 5-5420-226-20-2, TM 5-5420-226-20-3, TM 5-5420-226-20-4, TM 5-5420-227-24, TM 9-1450-646-10, TM 9-1450-646-20-1, TM 9-1450-646-20-2, TM 9-1450-646-20-3, TM 9-1450-646-20-4, TM 9-1450-646-20-5, TM 9-2350-256-10, TM 9-2350-256-20, TM 9-2350-256-34-1, TM 9-2350-256-34-2, TM 9-2350-261-10, TM 9-2350-261-20-1, TM 9-2350-261-20-2, and TM 9-2350-261-20-3.

Standards: Performed diagnostics on a track vehicle steering and brake system in accordance with applicable technical manual procedures and specifications. When this task was completed the equipment or end item was fully mission capable, or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Performed initial inspection.	—	—
3. Determined maintenance action to be performed.	—	—
4. Ensured task was within shop capability/authorization.	—	—
5. Ensured proper tools were available to perform this task.	—	—
6. Ensured parts were identified and requisitioned, as required.	—	—
7. Ensured applicable publications were available.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions were followed.	—	—
10. Diagnosed steering/brake system faults, and determined maintenance actions to be performed.	—	—
11. Provided assistance, if needed.	—	—
12. Ensured task is performed to acceptable standards.	—	—
13. Conducted an in-process inspection.	—	—
14. Performed a final inspection.	—	—
15. Critiqued personnel on task performance.	—	—

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

References

Required

- AR 385-10
- TM 5-5420-226-10
- TM 5-5420-226-20-1
- TM 5-5420-226-20-2
- TM 5-5420-226-20-3

Related

- AR 750-1
- AR 750-43

References

Required

TM 5-5420-226-20-4
TM 5-5420-227-24
TM 9-1450-646-10
TM 9-1450-646-20-1
TM 9-1450-646-20-2
TM 9-1450-646-20-3
TM 9-1450-646-20-4
TM 9-1450-646-20-5
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-256-34-1
TM 9-2350-256-34-2
TM 9-2350-261-10
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3

Related

**Perform Diagnostics on the Auxiliary Power Unit (APU) on a M88A1 Track Recovery Vehicle
091-63H-3139**

Conditions: In a garrison or field environment given required equipment, applicable tracked vehicle, general mechanic's tool kit; applicable special tools, TMDE, required safety equipment, and applicable forms and references including AR 385-10, AR 750-1, AR 750-43, DA Form 5988-E, DA PAM 738-750, TM 9-2350-256-10, and TM 9-2350-256-20.

Standards: Performed diagnostics on an M88 series tracked vehicle auxiliary power unit (APU) in accordance with the applicable technical publications' procedures and specifications. When this task was completed, the vehicle was fully mission capable or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Described how systems/components operate and function.	—	—
6. Inspected APU.	—	—
7. Performed diagnostic procedures on APU.	—	—
8. Serviced APU.	—	—
9. Replaced defective component on an (APU).	—	—
10. Adjusted APU components.	—	—
11. Performed required preventive maintenance checks and services (PMCS).	—	—
12. Tested APU.	—	—
13. Completed DA Form 5988-E, as required.	—	—

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

References

Required	Related
AR 385-10	
AR 750-1	
AR 750-43	
DA PAM 738-750	
TM 9-2350-256-10	
TM 9-2350-256-20	
DA Form 5988-E	

**Perform Engine Tune-up Procedures
091-63H-3140**

Conditions: In a field or garrison environment given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, TM 9-2350-261-20-2, TM 9-2815-219-34, TM 9-2815-220-34, TM 9-2815-242-34, and other applicable references.

Standards: Tuned up the engine assembly in accordance with applicable technical manual procedures and specifications. When this task was completed, the equipment or end item be was fully mission capable, or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Performed initial inspection.	—	—
3. Determined maintenance action to be performed.	—	—
4. Ensured task was within shop capability/authorization.	—	—
5. Ensured proper tools were available to perform this task.	—	—
6. Ensured parts were identified and requisitioned, as required.	—	—
7. Ensured applicable publications were available.	—	—
8. Assigned personnel to perform task.	—	—
9. Ensured all safety precautions were followed.	—	—
10. Provided assistance, if needed.	—	—
11. Ensured task was performed to acceptable standards.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed a final inspection.	—	—
14. Critiqued personnel on task performance.	—	—

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

References

Required

- TM 9-2350-261-20-2
- TM 9-2815-219-34
- TM 9-2815-220-34
- TM 9-2815-242-34

Related

- TM 5-5420-226-10
- TM 5-5420-226-20-1
- TM 5-5420-226-20-2
- TM 5-5420-226-20-3
- TM 5-5420-226-20-4
- TM 9-1450-646-10
- TM 9-1450-646-20-1
- TM 9-1450-646-20-2
- TM 9-1450-646-20-3
- TM 9-1450-646-20-4
- TM 9-1450-646-20-5

**References
Required**

- Related**
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-256-34-1
TM 9-2350-256-34-2
TM 9-2350-261-10
TM 9-2350-261-20-1
TM 9-2350-261-20-3

**Perform Recovery Operation
091-63H-3141**

Conditions: In a field or garrison environment given the applicable vehicle; applicable mechanic's tool kit; additional tools; TMDE; and equipment as indicated in the technical manuals; a maintenance request or equipment inspection worksheet describing equipment malfunctions; and applicable technical publications including TM 9-2350-256-34-1, TM 9-2350-256-34-2, and TM 9-2350-275-BD.

Standards: Performed recovery operation in accordance with applicable references. When this task was completed, the equipment or end item was fully mission-capable, or required maintenance actions to be performed by other than 63H personnel had been identified.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request/commander's directive.	—	—
2. Ensured applicable technical publications are available.	—	—
3. Ensured proper tools, TMDE, and equipment were available to perform recovery operation.	—	—
4. Assigned personnel to assist in recovery operation.	—	—
5. Ensured all safety precautions and procedures were followed.	—	—
6. Ensured task was performed in accordance with appropriate technical manuals and references.	—	—
7. Critiqued personnel on task performance.	—	—
8. Ensured maintenance forms were completed, as required.	—	—
9. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

- TM 9-2350-256-34-1
- TM 9-2350-256-34-2
- TM 9-2350-275-BD

Related

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

Skill Level 4

Subject Area 6: Common Logistics Management Tasks (SL 4)

**Perform Senior Rater Responsibilities for a Maintenance Section
091-CLT-4001**

Conditions: In a field or garrison environment given a NCOER with the rater's portion completed, accompanying counseling statements, and AR 623-205.

Standards: Performed senior rater's responsibilities in accordance with 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 situations requiring supervision of platoon/section administrative procedures and applicable forms, records, and publications including AR 25-400-2, AR 600-8-2, AR 614-200, and AR 635-200.

Standards: Supervised platoon or section administrative procedures in accordance with applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Established files using the Army Records Information Management System (ARIMS). 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 followed up on the chapter action.	—	—
7. Processed a recommendation for advancement/promotion.	—	—
8. Verified accuracy of Enlisted Promotion Report (AAC-C01).	—	—
9. Assisted a subordinate noncommissioned officer (NCO) who had received notice of selection to be released under the QMP.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 in accordance with applicable reference.

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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 including AR 385-10, AR 40-5, and FM 4-30.3.

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 for the following to ensure environmental policies and procedures were adequately addressed. <ul style="list-style-type: none"> a. Environmental strategies of compliance, restoration, prevention, and conservation. b. Federal, state, local, and host nation laws and regulations. 	—	—
3. Updated, changed, or amended SOP, as necessary.	—	—
4. Ensured all soldiers had received training on environmental laws, regulations, policies, and procedures.	—	—
5. Ensured inspections for HAZMAT were conducted as required.	—	—

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

References

Required
AR 385-10
AR 40-5
FM 4-30.3

Related

**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 including AR 385-10, AR 385-40, AR 385-55, AR 614-200, DA PAM 385-1, TB 43-0142, and TB MED 524.

Standards: Enforced compliance with the shop safety program in accordance with 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 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 an OPORD/maintenance situation, a maintenance platoon or section with personnel and equipment, SOP, and FM 4-30.3.

Standards: Coordinated support for the maintenance platoon or section in accordance with 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 and supported units of support requirements.	—	—
4. Followed up to ensure support had been coordinated and was being provided.	—	—
a. Notified appropriate parent and supported units to resolve any problems.		
b. Addressed problems in after-action review.		

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

References
Required
 FM 4-30.3

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 FM 4-30.3.

Standards: Selected a field maintenance site in accordance with the OPORD and applicable reference.

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 recons 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
FM 4-30.3

Related

**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 including FM 101-5-1, FM 4-30.3, and FM 5-170.

Standards: Prepared an operational overlay for maintenance operations by depicting key activities and elements within the area of operation in accordance with applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary references and materials were available.	—	—
2. Placed units and 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

- Required**
 FM 101-5-1
 FM 4-30.3
 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 including FM 4-30.3 and TC 43-4.

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 workload status for the various sections.	—	—
4. Directed repair priorities and additional actions (evacuation, ORF, intrashop, deferred) as applicable.	—	—
5. Ensured shop supply section orders and maintained repair parts as required.	—	—
6. Improved operational procedures where necessary.	—	—

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

References

Required
FM 4-30.3
TC 43-4

Related

**Integrate Automated Logistics Support Systems
091-CLT-4010**

Conditions: In a field or garrison environment given an ULLS-G computer system with software and equipment data base in a unit-level maintenance shop, a SAMS-1 computer system with software and database in a DS level maintenance shop, a SAMS-2 computer system with software and data base in a support operations section, and applicable publications including AISM 18-L21-AHN-BUR-UM, AISM 18-L26-AHO-BUR-EM, AR 710-2, DA PAM 710-2-1, and DA PAM 738-750.

Standards: Integrated automated logistics support systems in a maintenance shop in accordance with applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the architecture and 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 SARSS-O for supply functions.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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
- 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 FM 4-30.3.

Standards: Planned logistics support for maintenance operations in accordance with applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Assessed 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 and 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
FM 4-30.3

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 an ULLS-G computer system with AMSS software, AMSS reports produced from a ULLS-G, and applicable references including AR 710-2, DA PAM 710-2-1, and DA PAM 738-750.

Standards: Verified accuracy of AMSS report data, identified maintenance trends and problems, and ensured timely completion and forwarding of reports in accordance with 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 in accordance with SOP.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 and applicable references including AR 710-2, DA PAM 710-2-1, and DA PAM 738-750.

Standards: Analyzed the PLL reports to ensure inventory accuracy and identified potential supply shortages and problems impacting on maintenance readiness in accordance with 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 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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, AR 710-2, DA PAM 710-2-1, and FM 4-30.3.

Standards: Monitored the quality control program to ensure quality of work in accordance with cited references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured quality assurance and quality control inspectors were adequately trained and knowledgeable in their respective maintenance areas and, if required by SOP, were on orders from the commander.	—	—
2. Ensured QA/QC inspectors followed maintenance SOP guidelines and procedures and appropriate technical manual 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 and technicians.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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

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), AISM 18-L21-AHN-BUR-UM, AR 710-2, DA PAM 710-2-1, and DA PAM 738-750.

Standards: Analyzed bench stock listing to identify supply problems that may impact maintenance readiness in accordance with cited 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 nonmission capable-supply (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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AISM 18-L21-AHN-BUR-UM	
AR 710-2	
DA PAM 710-2-1	
DA PAM 738-750	

**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, AISM 18-L21-AHN-BUR-UM, and AISM 18-L26-AHO-BUR-EM.

Standards: Analyzed the open work request reconciliation listing in accordance with cited 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 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, AISM 18-L21-AHN-BUR-UM, and AISM 18-L26-AHO-BUR-EM.

Standards: Analyzed the completed shop workload summary report in accordance with cited 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 was completed in accordance with local SOP.	—	—
5. Improved operational procedures where necessary.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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, AISM 18-L21-AHN-BUR-UM, and AISM 18-L26-AHO-BUR-EM.

Standards: Analyzed the shop deadline and deferred workload listing report in accordance with cited 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 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 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, AISM 18-L21-AHN-BUR-UM, and AISM 18-L26-AHO-BUR-EM.

Standards: Analyzed the shop workload summary listing in accordance with cited 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 was completed in accordance with local SOP.	—	—
5. Improved operational procedures, where necessary.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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, AR 710-2, and DA PAM 710-2-1.

Standards: Maintained property accountability in accordance with cited references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured all references, including technical bulletins, supply catalogs, 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. Ensured subordinates inventoried all property, tools, and equipment on each respective sub-hand receipt and shortage annex and signed 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, 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 4-30.3, higher headquarters SOP, and commander's guidance.

Standards: Prepared a maintenance shop internal or external SOP for the commander's review, comment, and approval in accordance with cited references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured applicable publication was 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
FM 4-30.3

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, vehicles, equipment, maintenance personnel, FM 101-5-1, FM 4-30.3, and FM 5-170.

Standards: Supervised the deployment of company maintenance team and recovery support teams in accordance with the maintenance situation or request for maintenance support and cited reference.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed the request for maintenance support or maintenance situation.	—	—
2. Ensured personnel and equipment were available to perform the mission.	—	—
3. Ensured resources for the company maintenance team, recovery support team, and/or maintenance support team, including personnel with applicable MOS, vehicles, tools, test equipment, publications, repair parts, time, and facilities were appropriately identified.	—	—
4. Ensured requirements for defending the teams had been properly determined and arranged.	—	—
5. Ensured team leaders were briefed on the mission.	—	—
a. Reviewed the operational overlay.		
b. Conducted a map reconnaissance of the route and destination.		
6. Ensured the company maintenance team, recovery support team, and/or maintenance support team were deployed.	—	—

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

References

Required
 FM 101-5-1
 FM 4-30.3
 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, FM 4-30.3, and FM 5-170.

Standards: Conducted a route reconnaissance for a given route identifying distances and times, problem areas along the route, and possible bypasses or alternate routes, and prepared strip maps in accordance with the maintenance situation or OPORD and cited reference.

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 reconnaissance of the route.	—	—
4. Contacted units along the route and coordinated passage.	—	—
5. Selected personnel to conduct the reconnaissance.	—	—
6. Conducted a reconnaissance of the route by identifying the following key features.	—	—
a. Potential problem areas (that is, possible enemy contact, trafficability, and so forth).		
b. Possible bypasses and alternate routes.		
7. Recorded information on a strip map for use by the maintenance team.	—	—
8. Advised the commander or staff officer on use of the route for maintenance missions.	—	—

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

References

Required
FM 4-30.3
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, FM 4-30.3, and FM 5-170.

Standards: Performed an area reconnaissance, selecting the most appropriate location to establish a maintenance site in accordance with the maintenance situation or OPORD and cited reference.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Performed a map reconnaissance of the area.	—	—
3. Selected personnel to conduct the reconnaissance.	—	—
4. Conducted a reconnaissance of 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 or staff officer on occupying the area of operations based upon the reconnaissance.	—	—

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

References

Required
FM 4-30.3
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 FM 4-30.3

Standards: Managed battlefield maintenance support in accordance with cited reference.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Assessed the combat situation and organized and prioritized support based on the 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
FM 4-30.3

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, FM 100-16, and FM 4-30.3.

Standards: Performed the duties of a support operations maintenance NCO, ensuring that the direct support 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.		
e. Technical assistance.		

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

References

Required
FM 100-16
FM 4-30.3

Related

**Manage Maintenance Operations at a Maintenance Collection Point
091-CLT-4027**

Conditions: In a field maintenance environment given an OPORD or maintenance situation, a MCP site, maintenance personnel and equipment, and FM 4-30.3.

Standards: Managed maintenance operations at an MCP in accordance with the OPORD and cited references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Set up the MCP.	—	—
2. Managed flow of equipment for repair.	—	—
a. Focused efforts toward repairing systems for current battle or start of next battle.		
b. Fixed 4 to 6 hour jobs at UMCP.		
c. Evacuated other equipment to brigade MCP or farther rear location.		
d. Maximized BDAR, cannibalization, and controlled exchange at central MCP.		
3. Managed company maintenance teams, recovery support teams, and maintenance support teams held at MCP.	—	—
4. Managed PLL assets for forward combat units.	—	—
5. Relocated forward, as necessary, to continue fix-forward support.	—	—

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

References

Required
FM 4-30.3

Related

**Provide Maintenance Support During Tactical Operations
091-CLT-4028**

Conditions: In a field environment, given an OPORD/maintenance situation, maintenance personnel and equipment, and FM 4-30.3.

Standards: Provided maintenance support during tactical operations in accordance with the OPORD and cited reference.

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 a NBC environment.	—	—
7. Provided maintenance support during stability and support operations.	—	—
a. Peace operations.		
b. Humanitarian operations.		
c. Disaster relief operations.		
8. Provided maintenance support in 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 performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
FM 4-30.3

Related

APPENDIX A**HANDS-ON EVALUATION****HANDS-ON EVALUATION (DA FORM 5164-R)
INSTRUCTIONS**

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.

APPENDIX B**FIELD EXPEDIENT SQUAD BOOK****FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)
INSTRUCTIONS**

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**
Acronyms & Abbreviations

AAR	After-action review
AC	Active Component
ACCP	Army Correspondence Course Program
AISM	automated information systems manual
AIT	advanced individual training
AMC	Army Materiel Command
AMSS	Army Materiel Status System
AMSS	Army Materiel Status System
AN	annually
ANCOC	advanced noncommissioned officer course
App	Appendix
APU	auxiliary power unit
AR	Army regulation
AR	Army regulation
ARTEP	Army Training and Evaluation Program
BA	biannually
BDAR	battle damage assessment and repair
BDAR	battle damage assessment and repair
BII	basic issue items
BNCOC	basic noncommissioned officer course
BW	biweekly
CASCOM	Combined Arms Support Command
CLT	Common leader training; common logistic task
COEI	components of end item

CTS	contact test set
CTT	Common task test
DA Form	Department of the Army form
DA PAM	Department of the Army pamphlet
DS	Direct support
FM	Field manual
GS	general support
HAZMAT	Hazardous material
HQ	Headquarters
MACOM	Major Army command
MCP	Maintenance collection point
MCRP	Marine Corps Reference Publication
MCSR	Materiel Condition Status Report
METL	Mission essential task list
MHE	Materials handling equipment
MO	monthly
MOS	Military occupational specialty
MSDS	Material safety data sheet
NBC	Nuclear, biological, and chemical
NBC	nuclear, biological, and chemical
NCO	Noncommissioned officer
NCOER	Noncommissioned Officer Evaluation Report
NMC	Non-mission capable
NMC	Non-mission capable
NMC-S	Nonmission capable-supply
O&M	Operation and maintenance
OPORD	Operations order
ORF	Operational readiness float

pam	pamphlet
PL	Preservative lubricant
PMCS	Preventive maintenance checks and services
POL	Petroleum, oils, and lubricants
QA/QC	Quality assurance/quality control
QMP	Qualitative Management Program
QT	quarterly
RDL	Reimer Digital Library
SA (1)	semiannual; semiannually
SAMS	Standard Army Maintenance System
SAMS-1	Standard Army Maintenance System-Level 1
SARSS	Standard Army Retail Supply System
SARSS-O	Standard Army Retail Supply System-Objective
SASO	stability and support operations
SC	Supply catalog
sec	Second
SL	Skill level
SM/TG	Soldier's manual/trainer's guide
SMCT	Soldier's manual of common tasks
SOP	Standing operating procedure
STP	Soldier training publication
TAMMS	The Army Maintenance Management System
TB	Technical bulletin
TBD	To be determined/developed
TM	Technical manual
TMDE	Test, measurement, and diagnostic equipment
TRADOC	Training and Doctrine Command

ULLS	Unit Level Logistics System
ULLS-G	Unit Level Logistics System-Ground
UMCP	Unit maintenance collection point
UNIT	Trained in the unit
US	United States
USA	United States Army
USAMC	United States Army Materiel Command
WK	Weekly

REFERENCES

Required Publications

Required publications are sources that users must read in order to understand or to comply with this publication.

Army Regulations

AR 25-400-2	The Army Records Information Management System (ARIMS). 18 March 2003
AR 40-5	Preventive Medicine. 15 October 1990
AR 190-13	The Army Physical Security Program. 30 September 1993
AR 190-51	Security of Unclassified Army Property (Sensitive and Nonsensitive). 30 September 1993
AR 220-1	Unit Status Reporting. 10 June 2003
AR 385-10	The Army Safety Program. 20 February 2000
AR 385-40	Accident Reporting and Records. 1 November 1994
AR 385-55	Prevention of Motor Vehicle Accidents. 12 March 1987
AR 600-8-2	Suspension of Favorable Personnel Actions (Flags). 30 October 1987
AR 600-55	The Army Driver and Operator Standardization Program (Selection, Training, Testing, and Licensing). 31 December 1993
AR 614-200	Enlisted Assignments and Utilization Management. 15 July 2004
AR 623-205	Noncommissioned Officer Evaluation Reporting System. 15 May 2003
AR 635-200	Active Duty Enlisted Administrative Separations. 15 July 2004
AR 700-4	Logistics Assistance. 20 August 2002
AR 700-138	Army Logistics Readiness and Sustainability. 26 February 2004
AR 710-2	Inventory Management Supply Policy Below the National Level. 25 February 2004
AR 725-50	Requisition, Receipt, and Issue System. 15 November 1995
AR 735-5	Policies and Procedures for Property Accountability. 10 June 2002
AR 750-1	Army Materiel Maintenance Policy. 18 August 2003
AR 750-43	Army Test, Measurement and Diagnostic Equipment Program. 28 November 1997

Department of Army Forms

DA FORM 17	Requisition for Publications and Blank Forms
DA FORM 17-1	Requisition for Publications and Blank Forms (Continuation Sheet)
DA FORM 2062	Hand Receipt/Annex Number
DA FORM 2404	Equipment Inspection and Maintenance Worksheet
DA FORM 2407	Maintenance Request
DA FORM 4569-1-R	Security Assistance Publication Requisition Code Sheet
DA FORM 5164-R	Hands-On Evaluation
DA FORM 5165-R	Field Expedient Squad Book
DA FORM 5988-E	Equipment Inspection Maintenance Worksheet

Department of Army Pamphlets

DA PAM 25-30	Consolidated Index of Army Publications and Blank Forms. 1 April 2004
DA PAM 25-33	User's Guide for Army Publications and Forms. 15 September 1996
DA PAM 25-40	Army Publishing: Action Officers Guide. 29 December 2003

DA PAM 385-1	Small Unit Safety Officer/NCO Guide. 29 November 2001
DA PAM 710-2-1	Using Unit Supply System (Manual Procedures) (Standalone Pub). 31 December 1997
DA PAM 710-2-2	Supply Support Activity Supply System: Manual Procedures. 30 September 1998
DA PAM 738-750	Functional Users Manual for The Army Maintenance Management System (TAMMS). 1 August 1994
DA PAM 738-751	Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A). 15 March 1994
DA PAM 750-1	Leader's Unit Level Maintenance Handbook. 3 October 2003
DA PAM 750-35	Guide for Motor Pool Operations. 1 August 1994

Field Manuals

FM 3-25.26	Map Reading and Land Navigation. 20 July 2001
FM 4-30.3	Maintenance Operations and Procedures. 15 September 2000
FM 5-125	Rigging Techniques, Procedures, and Applications. 3 October 1995
FM 5-170	Engineer Reconnaissance. 5 May 1998
FM 21-31	Topographic Symbols. 19 June 1961
FM 22-51	Leaders' Manual for Combat Stress Control. 29 September 1994
FM 24-35	Signal Operation Instructions "The SOI". 26 October 1990
FM 100-16	Army Operational Support. 31 May 1995
FM 101-5-1	Operational Terms and Graphics (MCRP 5-2A). 30 September 1997

Lubrication Orders

LO 5-5420-226-12	Launcher, M48A5 Tank Chassis, Transporting for Bridge, Armored Vehicle Launched, Scissoring Type, Class 60. 31 August 1992
LO 9-1450-646-12	Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 17 March 1992
LO 9-2350-256-12	Recovery Vehicle, Full-Track, Medium, M88A1 (NSN 2350-01-122-6826). 28 February 1986
LO 9-2350-261-12	Carrier, Personnel, Full-Track, Armored, M113A2. 10 July 1990

Other Product Types

AISM 18-L21-AHN-BUR-UM	Standard Army Maintenance System Level 1 (SAMS-1) End User Manual
AISM 18-L26-AHO-BUR-EM	Standard Army Maintenance System Level 2 (SAMS-2) End User Manual

Technical Bulletins

TB 43-0142	Safety Inspection and Testing of Lifting Devices. 28 February 1997
TB 43-180	Calibration and Repair Requirements for the Maintenance of Army Materiel. 15 September 2002

Technical Manuals

TM 5-5420-226-10	Operator's Manual for Launcher and M48A5 Tank Chassis, Transporting for Bridge, Armored Vehicle-Launched, Scissoring Type, Class 60. 20 February 1981
TM 5-5420-226-20-1	Organizational Maintenance Manual M48A5 Tank Chassis, Transporting: for Bridge, Armored Vehicle-Launched, Scissoring Type, Class 60. 20 November 1981
TM 5-5420-226-20-2	Organizational Maintenance Manual M48A5 Tank Chassis, Transporting for Bridge, Armored-Vehicle-Launched, Scissoring Type, Class 60. 20 November 1981

TM 5-5420-226-20-3	Organizational Maintenance, for M48A5 Tank Chassis, Transporting: for Bridge, Armored Vehicle-Launched, Scissoring Type, Class 60. 20 November 1981
TM 5-5420-226-20-4	Organizational Maintenance for M48A5 Tank Chassis, Transporting for Bridge, Armored-Vehicle-Launched, Scissoring Type, Class 60. 20 November 1981
TM 5-5420-227-24	Organizational Direct Support and General Support Maintenance Instructions for Launcher, M48A5 Tank Chassis. 15 October 1981
TM 9-243	Use and Care of Hand Tools and Measuring Tools (M6290-AJ-MAN-010; TO 32-1-101; TM-10209-10/1). 12 December 1983
TM 9-1450-500-10	Operator's Manual for Loader-Transporter, Guided Missile. 17 March 1988
TM 9-1450-500-20	Organizational Maintenance Manual for Loader-Transporter, Guided Missile. 29 June 1979
TM 9-1450-500-24P	Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools List for Loader-Transporter, Guided Missile. 8 November 1993
TM 9-1450-646-10	Operator's Manual For Carrier, Multiple Rocket Launch System, M993 (NSN 2350-01-091-5405). 3 August 1984
TM 9-1450-646-20-1	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 1 July 1988
TM 9-1450-646-20-2	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 7 July 1988
TM 9-1450-646-20-3	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 8 July 1988
TM 9-1450-646-20-4	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 8 July 1988
TM 9-1450-646-20-5	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 8 July 1988
TM 9-1450-646-BD	Battlefield Damage Assessment and Repair for Carrier, MLRS, M993 (NSN 2350-01-091-5405). 18 July 1989
TM 9-2320-279-10-1	Operators Manual for M977 Series 8X8 Heavy Expanded Mobility Tactical Trucks (HEMTT), Truck, Cargo, With Winch, M977 (NSN 2320-01-097-0260) Truck, Cargo, With Winch, M977A2 (2320-01-493-3774) Truck, Cargo, With Winch, M977A2R1 (2320-01-493-3782) Truck, Cargo, Without Winch, M977 (2320-01-099-6426) Truck, Cargo, Without Winch, M977A2 (2320-01-493-3779) Truck, Cargo, Without Winch, M977A2R1 (2320-01-493-3785) Truck, Tank, Fuel, With Winch, M978 (2320-01-097-0249) Truck, Tank, Fuel, With Winch, M978A2 (2320-01-492-8216) Truck, Tank, Fuel, With Winch, M978A2R1 (2320-01-492-8226) Truck, Tank, Fuel, Without Winch, M978A2 (2320-01-492-8215) Truck, Tank, Fuel, Without Winch, M978A2R1 (2320-01-492-8225) Truck, Tractor, With Winch, Without Crane, M983 (2320-01-097-0247) Truck, Tractor, With Winch, Without Crane, M983A2 (2320-01-492-8223) Truck, Tractor, With Winch, Without Crane, M983A2R1 (2320-01-492-8231) Truck, Tractor, With Winch, With Crane, M983 (2320-01-099-6421) Truck, Wrecker-Recovery, M984 (2320-01-097-0248) Truck, Wrecker-Recovery, M984A1 (2320-01-195-7641) Truck, Wrecker-Recovery, M984A2 (2320-01-492-8224) Truck, Wrecker-Recovery, M984A2R1 (2320-01-492-8233) Truck, Cargo, With Winch, M985 (2320-01-097-0261) Truck, Cargo, With Winch, M985A2 (2320-01-492-8214) Truck, Cargo, With Winch, M985A2R1 (2320-01-493-3787) Truck, Cargo, Without Winch, M985 (2320-01-100-

- 7673) Truck, Cargo, Without Winch, M985A2 (2320-01-492-8201) Truck, Cargo, Without Winch, M985A2R1 (2320-01-493-3789) Truck, Cargo, With Winch, M985E1 (2320-01-194-7032) Truck, Cargo, With Winch, M985E1A2 (2320-01-493-3790) Truck, Cargo, With Winch, M985E1A2R1 (2320-01-493-3792). 21 November 1986
- TM 9-2320-279-10-2 Operator's Manual for M977 Series, 8X8 Heavy Expanded Mobility Tactical Trucks (HEMTT) Truck, Cargo, With Winch M977 (2320-01-097-0260) Truck, Cargo, With Winch, M977A2 (2320-01-493-3774) Truck, Cargo, With Winch, M977A2R1 (2320-01-493-3782) Truck, Cargo, Without Winch, M977 (2320-01-099-6426) Truck, Cargo, Without Winch, M977A2 (2320-01-493-3779) Truck, Cargo, Without Winch, M977A2R1 (2320-01-493-3785) Truck, Tank, Fuel, With Winch, M978 (2320-01-097-0249) Truck, Tank, Fuel, With Winch, M978A2 (2320-01-492-8216) Truck, Tank, Fuel, With Winch, M978A2R1 (2320-01-492-8226) Truck, Tank, Fuel, Without Winch, M978 (2320-01-100-7672) Truck, Tank, Fuel, Without Winch, M978A2 (2320-01-492-8215) Truck, Tank, Fuel, Without Winch, M978A2R1 (2320-01-492-8225) Truck, Tractor, With Winch, Without Crane, M983 (2320-01-097-0247) Truck, Tractor, With Winch, Without Crane, M983A2 (2320-01-492-8223) Truck, Tractor, With Winch, Without Crane, M983A2R1 (2320-01-492-8231) Truck, Tractor, With Winch, With Crane, M983 (2320-01-099-6421) Truck, Wrecker-Recovery, M984 (2320-01-097-0248) Truck, Wrecker-Recovery, M984A1 (2320-01-195-7641) Truck, Wrecker-Recovery, M984A2 (2320-01-492-8224) Truck, Wrecker-Recovery, M984A2R1 (2320-01-492-8233) Truck, Cargo, With Winch, M985 (2320-01-097-0261) Truck, Cargo, With Winch, M985A2 (2320-01-492-8214) Truck, Cargo, With Winch, M985A2R1 (2320-01-493-3787) Truck, Cargo, Without Winch, M985 (2320-01-100-7673) Truck, Cargo, Without Winch, M985A2 (2320-01-492-8201) Truck, Cargo, Without Winch, M985A2R1 (2320-01-493-3789) TRUck, Cargo, With Winch, M985E1 (2320-01-194-7032) Truck, Cargo, With Winch, M985E1A2 (2320-01-493-3790) Truck, Cargo, With Winch, M985E1A2R1 (2320-01-493-3792). 15 June 1987
- TM 9-2320-279-20-1 Maintenance Instructions for Organizational Maintenance M977 Series, 8X8 Heavy Expanded Mobility Tactical Trucks (HEMTT) Truck, Cargo, With Winch M977 (NSN 2320-01-097-0260) Truck, Cargo, Without Winch M977 (2320-01-099-6426) Truck, Tank, Fuel, With Winch M978 (2320-01-097-0249) Truck, Tank, Fuel, Without Winch M978 (2320-01-100-7672) Truck, Tractor, With Winch, Without Crane M983 (2320-01-097-0247) Truck, Tractor, With Winch, With Crane M983 (2320-01-099-6421) Truck, Wrecker-Recovery M984 (2320-01-097-0248) Truck, Wrecker-Recovery M984E1 (2320-01-195-7641) Truck, Cargo, Truck, Cargo, With Winch M985 (2320-01-097-0261) Truck, Cargo, Without Winch M985 (2320-01-100-7673) Truck, Cargo, With Winch M985E1 (2320-01-194-7032) Truck, Cargo Without Winch M985E1 (2320-01-194-7031). 7 April 1987
- TM 9-2320-279-20-2 Maintenance Instructions for Organizational Maintenance for M977 Series, 8X8 Heavy Expanded Mobility Tactical Trucks (HEMTT) Truck, Cargo, With Winch M977 (2320-01-097-0260) Truck, Cargo, With Winch, M977A2 (2320-01-493-3774) Truck, Cargo, With Winch, M977A2R1 (2320-01-493-3782) Truck, Cargo, Without Winch, M977 (2320-01-099-6426) Truck, Cargo, Without Winch, M977A2 (2320-01-493-3779) Truck, Cargo, Without Winch, M977A2R1 (2320-01-493-3785) Truck, Tank, Fuel, With Winch, M978 (2320-01-097-0249) Truck, Tank, Fuel, With Winch, M978A2 (2320-01-492-8216) Truck, Tank, Fuel, With Winch, M978A2R1 (2320-01-492-8226) Truck, Tank, Fuel, Without Winch, M978

- (2320-01-100-7672) Truck, Tank, Fuel, Without Winch, M978A2 (2320-01-492-8215) Truck, Tank, Fuel, Without Winch, M978A2R1 (2320-01-492-8225) Truck, Tractor, With Winch, Without Crane, M983 (2320-01-097-0247) Truck, Tractor, With Winch, Without Crane, M983A2 (2320-01-492-8223) Truck, Tractor, With Winch, Without Crane, M983A2R1 (2320-01-492-8231) Truck, Tractor, With Winch, With Crane, M983 (2320-01-099-6421) Truck, Wrecker-Recovery, M984 (2320-01-097-0248) Truck, Wrecker-Recovery, M984A1 (2320-01-195-7641) Truck, Wrecker-Recovery, M984A2 (2320-01-492-8224) Truck, Wrecker-Recovery, M984A2R1 (2320-01-492-8233) Truck, Cargo, With Winch, M985 (2320-01-097-0261) Truck, Cargo, With Winch, M985A2 (2320-01-492-8214) Truck, Cargo, With Winch, M985A2R1 (2320-01-493-3787) Truck, Cargo, Without Winch, M985 (2320-01-100-7673) Truck, Cargo, Without Winch, M985A2 (2320-01-492-8201) Truck, Cargo, Without Winch, M985A2R1 (2320-01-493-3789) Truck, Cargo, With Winch, M985E1 (2320-01-194-7032) Truck, Cargo, With Winch, M985E1A2 (2320-01-493-3790) Truck, Cargo, With Winch, M985E1A2R1 (2320-01-493-3792). 7 April 1987
- TM 9-2320-279-20-3 Maintenance Instructions Organizational Maintenance M977 Series, 8X8 Heavy Expanded Mobility Tactical (HEMTT) Truck, Cargo With Winch M977 (NSN 2320-01-097-0260) Truck, Cargo, Without Winch M977 (2320-01-099-6426) Truck, Tank, Fuel, With Winch M978 (2320-01-097-0249) Truck, Tank, Fuel, Without Winch M978 (2320-01-100-7672) Truck, Tractor, With Winch, Without Crane M983 (2320-01-097-0247) Truck, Tractor, With Winch, With Crane M983 (2320-01-099-6421) Truck, Wrecker-Recovery M984 (2320-01-097-0248) Truck, Wrecker-Recovery M984E1 (2320-01-195-7641) Truck, Cargo, With Winch M985 (2320-01-097-0261) Truck, Cargo, Without Winch M985 (2320-01-100-7673) Truck, Cargo, With Winch M985E1 (2320-01-194-7032) Truck, Cargo, Without Winch M985E1 (2320-01-194-7031). 8 April 1987
- TM 9-2350-256-10 Operator's Manual for Recovery Vehicle, Full Tracked, Medium, M88A1 (NSN 2350-00-122-6826). 31 March 1998
- TM 9-2350-256-20 Unit Maintenance Manual for Recovery Vehicle, Full Tracked, Medium, M88A1 (NSN 2350-00-122-6826). 15 July 1996
- TM 9-2350-256-24P-1 Unit, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Recovery Vehicle, Full Tracked; Medium M88A1 (NSN 2350-00-122-6826). 29 May 1992
- TM 9-2350-256-24P-2 Unit, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Recovery Vehicle, Full Tracked; Medium, M88A1 (NSN 2350-00-122-6826). 8 May 1992
- TM 9-2350-256-34-1 Direct Support and General Support Maintenance Manual for Recovery Vehicle, Full Tracked, Medium, M88A1 (NSN 2350-00-122-6826). 28 January 1977
- TM 9-2350-256-34-2 Direct Support and General Support Maintenance Manual for Recovery Vehicle, Full Tracked: Medium, M88A1 (NSN 2350-00-122-6826); Winch Power Takeoff and Hoist System. 16 February 1977
- TM 9-2350-261-10 Operator's Manual for Carrier, Personnel, Full-Tracked, Armored, M113A2 (NSN 2350-01-068-4077); Carrier, Command Post, Light: Tracked M577A2 (2350-01-068-4089). 12 July 1990
- TM 9-2350-261-10-HR Hand Receipt Covering Contents of Components of End Item, Basic Issue Items and Additional Authorization List for Carrier, Personnel, Full Tracked, Armored, M113A2. 22 March 1991

- TM 9-2350-261-20-1 Unit Maintenance Manual for Carrier, Personnel, Full-Tracked, Armored, M113A2 (NSN 2350-01-068-4077); Carrier, Command Post, Light Tracked M577A2 (2350-01-068-4089). 11 July 1990
- TM 9-2350-261-20-2 Unit Maintenance Manual for Carrier, Personnel, Full-Tracked, Armored, M113A2 (NSN 2350-01-068-4077); Carrier, Command Post, Light Tracked M577A2 (2350-01-068-4089). 11 July 1990
- TM 9-2350-261-20-3 Unit Maintenance Manual for Carrier, Personnel, Full Tracked, Armored, M113A2, (NSN 2350-01-068-4077); Carrier, Command Post, Light Tracked, M577A2, (2350-01-068-4089); Carrier, Mortar, 107-MM, M30, Self-Propelled, M106A2, (2350-01-069-6931); Carrier, Mortar, 81-MM, M29A1, Self-Propelled, M125A2, (2350-01-068-4087); Chassis, Gun, Anti-Aircraft Artillery, M741A1, (2350-01-099-8929); Carrier, Smoke Generator, Full Tracked, M1059, (2350-01-203-0188); Combat Vehicle, Anti-Tank, Improved TOW Vehicle, M901A1, (2350-01-103-5641); Carrier, Mortar, 120-MM, M121; Self-Propelled, M1064, (2350-01-338-3116); Carrier, Standardized Integrated Command Post System, M1068 (2350-01-354-5657). 11 July 1990
- TM 9-2350-261-24P Unit Maintenance Direct Support and General Support Maintenance Repair Parts and Special Tools List for Carrier, Personnel, Full Tracked, Armored, M113A2. 25 November 1995
- TM 9-2350-275-BD Operator's, Organizational, Direct Support and General Support Maintenance Battlefield Damage Assessment and Repair for M113 Family, Carrier, Personnel, Self-Propelled, Full-Tracked. 9 February 1984
- TM 9-2350-277-10 Operator's Manual for Carrier, Personnel, Full-Tracked, Armored, M113A3 (NSN 2350-01-219-7577) (EIC: AEY) Carrier, Command Post, Light Tracked, M577A3 (2350-01-369-6085) (EIC: AE7) Carrier, Smoke Generator, Full Tracked, M1059A3 (2350-01-369-6083) (EIC: AFA) Carrier, Mortar, 120-MM M121, Self Propelled, M1064A3 (2350-01-369-6082) (EIC: AE8) Carrier, Standardized Integrated Command Post System (SICPS) M1068A3 (2350-01-369-6086) (EIC: AFC) Carrier, Mechanized Smoke Obscurant M58 (2350-01-418-6654) (EIC: 5CG). 2 January 2001
- TM 9-2350-277-20-1 Unit Maintenance Manual for Carrier, Personnel, Full-Tracked, Armored, M113A3 (NSN 2350-01-219-7577) (EIC: AEY) Carrier, Command Post, Light Tracked, M577A3 (2350-01-369-6085) (EIC: AE7) Carrier, Smoke Generator, Full Tracked, M1059A3 (2350-01-369-6083) (EIC: AFA) Carrier, Mortar, 120-MM M121, Self Propelled, M1064A3 (2350-01-369-6082) (EIC: AE8) Carrier, Standardized Integrated Command Post System (SICPS) M1068A3 (2350-01-369-6086) (EIC: AFC) Carrier, Mechanized Smoke Obscurant M58 (2350-01-418-6654) (EIC: 5CG). 2 January 2001
- TM 9-2350-277-20-2 Unit Maintenance for Carrier, Personnel, Full Tracked, Armored M113A3 (NSN 2350-01-219-7577) Carrier, Command Post, Light Tracked, M577A3 (2350-01-369-6085) Carrier, Anti-Tank (TOW), Full Tracked, Armored, M901A3 (2350-01-369-7253) Carrier, Fire Support Personnel, Full Tracked, Armored, M981A3 (2350-01-369-6079) Carrier, Smoke Generator, Full Tracked, M1059A3 (2350-01-369-6083) Carrier, Mortar, 120-MM M121, Self-Propelled, M1064A3 (2350-01-369-6082) Carrier, Standardized Integrated Command Post System (SICPS), M1068A3 (2350-01-369-6086) Chassis, Mechanized Smoke Obscurant, M58 (2350-01-418-6654). 2 January 2001
- TM 9-2350-277-20-3 Unit Maintenance for Carrier, Personnel, Full Tracked, Armored, M113A3 (NSN 2350-01-219-7577) Carrier, Command Post, Light Tracked, M577A3 (2350-01-369-6085) Carrier, Anti-Tank (TOW), Full Tracked,

- Armored, M901A3 (2350-01-369-7253) Carrier, Fire Support Personnel, Full Tracked, Armored, M981A3 (2350-01-369-6079) Carrier, Smoke Generator, Full Tracked, M1059A3 (2350-01-369-6083) Carrier, Mortar, 120-MM M121, Self-Propelled, M1064A3 (2350-01-369-6082) Carrier, Standardized Integrated Command Post System (SICPS), M1068A3 (2350-01-369-6086) Chassis, Mechanized Smoke Obscurant, M58 (2350-01-418-6654). 2 January 2001
- TM 9-2350-277-24P Unit, Direct Support, and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools List) for Carrier, Personnel, Full-Tracked, Armored, M113A3 (NSN 2350-01-219-7577) (EIC: AEY) Carrier, Command Post, Light Tracked, M577A3 (2350-01-369-6085) (EIC: AE7) Carrier, Smoke Generator, Full Tracked, M1059A3 (2350-01-369-6083) (EIC: AFA) Carrier, Mortar, 120-MM M121, Self Propelled, M1064A3 (2350-01-369-6082) (EIC: AE8) Carrier, Standardized Integrated Command Post System (SICPS) M1068A3 (2350-01-369-6086) (EIC: AFC) Chassis, Mechanized Smoke Obscurant M58 (2350-01-418-6654) (EIC: 5CG). 2 October 2003
- TM 9-2350-277-34 Direct Support and General Support Maintenance Manual for Carrier, Personnel, Full-Tracked, Armored, M113A3 (NSN 2350-01-219-7577) (EIC: AEY) Carrier, Command Post, Light Tracked, M577A3 (2350 -01-369-6085) (EIC: AE7) Carrier, Smoke Generator, Full Tracked, M1059A3 (2350-01-369-6083) (EIC: AFA) Carrier, Mortar, 120-MM M121, Self Propelled, M1064A3 (2350-01-369-6082) (EIC: AE8) Carrier, Standardized Integrated Command Post System (SICPS) M1068A3 (2350-01-369-6086) (EIC: AFC) Carrier, Mechanized Smoke Obscurant M58 (2350-01-418-6654) (EIC: 5CG). 2 January 2001
- TM 9-2350-292-10 Operator's Manual for Recovery Vehicle, Heavy, Full-Tracked: M88A2 (NSN 2350-01-390-4683)(EIC: ACQ) [TM 0769B-10/1]. 1 January 2002
- TM 9-2350-292-20-2 Unit Maintenance Manual for Recovery Vehicle, Heavy Full-Tracked: M882A (NSN 2350-01-390-4683)(EIC:ACQ) VOL 2 of 2 [TM 07769B-20/2-1]. 1 January 2002
- TM 9-2520-215-34 Direct Support and General Support Maintenance Manual for Cross-Drive Transmission Assembly (11649999) (Model Xt-1410-4) Composed of: Center Section Assembly, w/Container (NSN 2520-00-140-7526) Output Reduction, Left-Hand Assembly, w/Container (2520-00-896-9020) Output Reduction, Right-Hand Assembly, w/Container (2520-00-896-9021) Cross-Drive Transmission Assembly (12366414) (Model XT-1410-5A) Composed of: Center Section Assembly, w/Container (12365775) Output Reduction, Left-Hand Assembly, w/Container (12365777) Output Reduction, Right-Hand Assembly, w/Container (12365778) {TM 07769B-34/7}. 1 January 2002
- TM 9-2520-223-34&P Direct Support and General Support Maintenance Manual for Cross-Drive Transmission, Model CD-850-6A, Part NO. 5703101 (NSN 2520-00-086-7792) and Model CD-850-6A-1, Part NO. 5703172 (5202-0-0159-6214). 20 September 1983
- TM 9-2520-254-34 Direct and General Support Maintenance Manual for Transmission, Automatic. 13 October 1971
- TM 9-2520-272-34&P Intermediate, Direct and General Support Maintenance Manual (Including Repair Parts and Special Tools List) for Crossdrive Transmission w/Container Model X200-4 &4A (NSN 2520-01-201-4784) Detroit Diesel Allison Division, GMC. 3 June 1987
- TM 9-2520-281-34 Direct Support and General Support Maintenance for Transmission: Crossdrive, Hydromechanical Martin Marietta Model HMPT 500-3 With

- Container Assembly (NSN 2520-01-274-6449) and Transmission: Crossdrive, Hydromechanical Martin Marietta Model HMPT 500-3EC With Container Assembly (2520-01-338-2703), 15 October 1989
- TM 9-2815-219-34 Direct Support and General Support Maintenance Manual for Engine, Diesel: Liquid Cooled, V-Type, 8 Cylinder, Turbocharged (Cummins Model VTA-903T) w/Engine Container Assembly (NSN 2815-01-105-6445). 20 December 1984
- TM 9-2815-220-34 Direct Support and General Support Maintenance Manual for Engine, w/Container: Turbosupercharged, Diesel, Fuel Injection, 90 Degree, V-Type, Air Cooled, 12 Cylinder, Assembly (Models AVDS-1790-2C) (NSN 2815-00-410-1203), (Model AVDS-1790-2D) (2815-00-410-1204), (Model AVDS-1790-2DR) (2815-00-124-5387), (Model AVDS-1790-2CA) (2815-01-149-1353) and (Model AVDS 1790-2DA) (2815-01-166-2051). 20 December 1975
- TM 9-2815-242-34 Direct Support and General Support Maintenance Manual for Engine, Diesel: Liquid, Cooled V-Type, Eight Cylinder Turbocharged Cummins Model VTA-903T-600 with Engine Container Assembly (NSN 2815-01-290-1290). 20 October 2003
- TM 9-6115-624-BD Battlefield Damage Assessment and Repair for Generators. 28 September 1990
- TM 9-6625-2301-12&P Operator and Organizational Maintenance Manual Including Repair Parts and Special Tools List for Test Set, Electronic Systems, AN/PSM-95 (NSN 6625-01-445-0085), and Test Set, Electronic Systems AN/PSM-95B, (6625-01-493-89084). 29 August 2003
- TM 9-8000 Principles of Automotive Vehicles. 25 October 1985
- TM 11-5820-890-10-3 Operator's Manual for SINCGARS Ground Combat Net Radio, Non-ICOM Manpack Radio AN/PRC-119 (NSN 5820-01-151-9915) (EIC: L2A) Short Range Vehicular Radio AN/VRC-87 (5820-01-151-9916) (EIC: L2T) Short Range Vehicular Radio (With Single Radio Mount) AN/VRC-87D (5820-01-351-5259) (EIC: TBD) Short Range Vehicular Radio With Dismount AN/VRC-88 (5820-01-151-9917) (EIC: L2U) Short Range Vehicular Radio With Dismount (With Single Radio Mount) AN/VRC-88D (5820-01-352-1694) (EIC: TDB) Short Range/Long Range Vehicular Radio AN/VRC-89 (5820-01-151-9918) (EIC: L2V) Long Range Vehicular Radio AN/VRC-90 (5820-01-151-9919) (EIC: L2W) Short Range/Long Range Vehicular Radio With Dismount AN/VRC-91 (5820-01-151-9920) (EIC: L2X) Long Range/Long Range Vehicular Radio AN/VRC-92 (5820-01-151-9921) (EIC: L2Y). 1 September 1992
- TM 11-6625-3052-14 Operator's, Unit, Direct Support and General Support Maintenance Manual for Digital Multimeter AN/PSM-45 (NSN 6625-01-139-2512). 10 January 1984
- TM 750-245-4 Direct Support and General Support for Quality Control Inspector's Inspection Criteria. 25 January 1971

Training Circulars

- TC 9-237 Operator's Circular Welding Theory and Application. 7 May 1993
- TC 43-4 Commander's and Shop Officer's Guide for Support Maintenance Management. 8 May 1996
- TC 43-35 Recovery Training. 3 October 1995

Related Publications

Related publications are sources of additional information. They are not required in order to understand this publication.

Army Regulations

AR 25-11	Record Communications and the Privacy Communications System. 4 September 1990
AR 385-10	The Army Safety Program. 29 February 2000
AR 385-40	Accident Reporting and Records. 1 November 1994
AR 385-55	Prevention of Motor Vehicle Accidents. 12 March 1987
AR 750-1	Army Materiel Maintenance Policy. 18 August 2003
AR 750-10	Army Modification Program. 8 August 2000
AR 750-43	Army Test, Measurement and Diagnostic Equipment Program. 28 November 1997

Department of Army Forms

DA FORM 2404	Equipment Inspection and Maintenance Worksheet
DA FORM 2407	Maintenance Request
DA FORM 5988-E	Equipment Inspection Maintenance Worksheet

Department of Army Pamphlets

DA PAM 738-750	Functional Users Manual for The Army Maintenance Management System (TAMMS). 1 August 1994
DA PAM 738-751	Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A). 15 March 1999

Department of Defense Forms

DD FORM 1577	Unserviceable (Condemned) Tag – Materiel
DD FORM 1577-1	Unserviceable (Condemned) Label – Materiel
DD FORM 1577-2	Unserviceable (Repairable) Tag – Materiel
DD FORM 1577-3	Unserviceable (Repairable) Label - Materiel

Field Manuals

FM 4-30.3	Maintenance Operations and Procedures. 1 September 2000
FM 5-170	Engineer Reconnaissance. 5 May 1998
FM 24-18	Tactical Single-Channel Radio Communications Techniques. 30 September 1987
FM 101-5-1	Operational Terms and Graphics (MCRP 5-2A). 30 September 1997

Lubrication Orders

LO 9-1450-646-12	Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 15 March 1992
LO 9-2350-261-12	Carrier, Personnel, Full-Track, Armored, M113A2. 10 July 1990

Technical Manuals

TM 5-5420-226-10	Operator's Manual for Launcher and M48A5 Tank Chassis, Transporting for Bridge, Armored Vehicle-Launched, Scissoring Type, Class 60. 20 February 1981
TM 5-5420-226-20-1	Organizational Maintenance Manual M48A5 Tank Chassis, Transporting: for Bridge, Armored Vehicle-Launched, Scissoring Type, Class 60. 20 November 1981
TM 5-5420-226-20-2	Organizational Maintenance Manual M48A5 Tank Chassis, Transporting for Bridge, Armored-Vehicle-Launched, Scissoring Type, Class 60. 20 November 1981
TM 5-5420-226-20-3	Organizational Maintenance, for M48A5 Tank Chassis, Transporting: for Bridge, Armored Vehicle-Launched, Scissoring Type, Class 60. 20 November 1981
TM 5-5420-226-20-4	Organizational Maintenance for M48A5 Tank Chassis, Transporting for Bridge, Armored-Vehicle-Launched, Scissoring Type, Class 60. 20 November 1981
TM 9-1450-646-10	Operator's Manual For Carrier, Multiple Rocket Launch System, M993 (NSN 2350-01-091-5405). 3 August 1984
TM 9-1450-646-20-1	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 1 July 1988
TM 9-1450-646-20-2	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 7 July 1988
TM 9-1450-646-20-3	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 8 July 1988
TM 9-1450-646-20-4	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 8 July 1988
TM 9-1450-646-20-5	Unit Maintenance For Carrier, Multiple Launch Rocket System, M993 (NSN 2350-01-091-5405). 8 July 1988
TM 9-2320-279-20-3	Maintenance Instructions Organizational Maintenance M977 Series, 8X8 Heavy Expanded Mobility Tactical (HEMTT) Truck, Cargo With Winch M977 (NSN 2320-01-097-0260) Truck, Cargo, Without Winch M977 (2320-01-099-6426) Truck, Tank, Fuel, With Winch M978 (2320-01-097-0249) Truck, Tank, Fuel, Without Winch M978 (2320-01-100-7672) Truck, Tractor, With Winch, Without Crane M983 (2320-01-097-0247) Truck, Tractor, With Winch, With Crane M983 (2320-01-099-6421) Truck, Wrecker-Recovery M984 (2320-01-097-0248) Truck, Wrecker-Recovery M984E1 (2320-01-195-7641) Truck, Cargo, With Winch M985 (2320-01-097-0261) Truck, Cargo, Without Winch M985 (2320-01-100-7673) Truck, Cargo, With Winch M985E1 (2320-01-194-7032) Truck, Cargo, Without Winch M985E1 (2320-01-194-7031). 8 April 1987
TM 9-2350-256-10	Operator's Manual for Recovery Vehicle, Full Tracked, Medium, M88A1 (NSN 2350-00-122-6826). 31 March 1998
TM 9-2350-256-20	Unit Maintenance Manual for Recovery Vehicle, Full Tracked, Medium, M88A1 (NSN 2350-00-122-6826). 15 July 1996
TM 9-2350-256-24P-1	Unit, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Recovery Vehicle, Full Tracked; Medium M88A1 (NSN 2350-00-122-6826). 29 May 1992
TM 9-2350-256-24P-2	Unit, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Recovery Vehicle, Full Tracked; Medium, M88A1 (NSN 2350-00-122-6826). 8 May 1992

TM 9-2350-256-34-1	Direct Support and General Support Maintenance Manual for Recovery Vehicle, Full Tracked, Medium, M88A1 (NSN 2350-00-122-6826). 28 January 1977
TM 9-2350-256-34-2	Direct Support and General Support Maintenance Manual for Recovery Vehicle, Full Tracked: Medium, M88A1 (NSN 2350-00-122-6826); Winch Power Takeoff and Hoist System. 16 February 1977
TM 9-2350-261-10	Operator's Manual for Carrier, Personnel, Full-Tracked, Armored, M113A2 (NSN 2350-01-068-4077); Carrier, Command Post, Light: Tracked M577A2 (2350-01-068-4089). 12 July 1990
TM 9-2350-261-20-1	Unit Maintenance Manual for Carrier, Personnel, Full-Tracked, Armored, M113A2 (NSN 2350-01-068-4077); Carrier, Command Post, Light: Tracked M577A2 (2350-01-068-4089). 11 July 1990
TM 9-2350-261-20-2	Unit Maintenance Manual for Carrier, Personnel, Full-Tracked, Armored, M113A2 (NSN 2350-01-068-4077); Carrier, Command Post, Light: Tracked M577A2 (2350-01-068-4089). 11 July 1990
TM 9-2350-261-20-3	Unit Maintenance Manual for Carrier, Personnel, Full Tracked, Armored, M113A2, (NSN 2350-01-068-4077); Carrier, Command Post, Light Tracked, M577A2, (2350-01-068-4089); Carrier, Mortar, 107-MM, M30, Self- Propelled, M106A2, (2350-01-069-6931); Carrier, Mortar, 81-MM, M29A1, Self-Propelled, M125A2, (2350-01-068-4087); Chassis, Gun, Anti-Aircraft Artillery, M741A1, (2350-01-099-8929); Carrier, Smoke Generator, Full Tracked, M1059, (2350-01-203-0188); Combat Vehicle, Anti-Tank, Improved TOW Vehicle, M901A1, (2350-01-103-5641); Carrier, Mortar, 120-MM, M121; Self-Propelled, M1064, (2350-01-338-3116); Carrier, Standardized Integrated Command Post System, M1068 (2350-01-354-5657). 11 July 1990
TM 9-2350-277-10	Operator's Manual for Carrier, Personnel, Full-Tracked, Armored, M113A3 (NSN 2350-01-219-7577) (EIC: AEY) Carrier, Command Post, Light Tracked, M577A3 (2350-01-369-6085) (EIC: AE7) Carrier, Smoke Generator, Full Tracked, M1059A3 (2350-01-369-6083) (EIC: AFA) Carrier, Mortar, 120-MM M121, Self Propelled, M1064A3 (2350-01-369-6082) (EIC: AE8) Carrier, Standardized Integrated Command Post System (SICPS) M1068A3 (2350-01-369-6086) (EIC: AFC) Carrier, Mechanized Smoke Obscurant M58 (2350-01-418-6654) (EIC: 5CG). 2 January 2001
TM 9-2520-246-34	Direct Support and General Support Maintenance Manual for Transmissions Model 3052 (NSN 2520-00-347-4520). 12 May 1978
TM 9-2520-254-34	Direct and General Support Maintenance Manual for Transmission, Automatic. 13 October 1971
TM 9-2520-270-34	Direct and General Support Maintenance Manual for Hydromechanical Crossdrive Transmission, HMPT 500 and Transmission Container Assembly (NSN 2520-01-105-6446). 6 November 1984
TM 9-2520-272-34&P	Intermediate, Direct and General Support Maintenance Manual (Including Repair Parts and Special Tools List) for Crossdrive Transmission w/Container Model X200-4 &4A (NSN 2520-01-201-4784) Detroit Diesel Allison Division, GMC. 3 June 1987
TM 9-2520-281-34	Direct Support and General Support Maintenance for Transmission: Crossdrive, Hydromechanical Martin Marietta Model HMPT 500-3 With Container Assembly (NSN 2520-01-274-6449) and Transmission: Crossdrive, Hydromechanical Martin Marietta Model HMPT 500-3EC With Container Assembly (2520-01-338-2703), 15 October 1989
TM 9-2920-225-34	Maintenance Direct and General Support Level Generator Assembly (Prestolite Model AMA-5102UT) (Leece-Neville Models 3002AC, 3002AD and 3002AE) (NSN 2920-00-909-2483), (Models 5504AA, 5504AB)

- (2920-00-475-1446), (Model 2184AC) (2920-00-782-1955) and (Model 5300GP) (2920-00-818-8635) {TO 38X6-7-22}. 20 February 1981
- TM 9-8000 Principles of Automotive Vehicles. 25 October 1985
- TM 11-5820-401-10-1 Operator's Manual for Radio Sets AN/VRC-12 (NSN 5820-00-223-7412), AN/VRC-43 (5820-00-223-7415), AN/VRC-44 (5820-00-223-7417), AN/VRC-45 (5820-00-223-7418), AN/VRC-46 (5820-00-223-7433), AN/VRC-47 (5820-00-223-7434), AN/VRC-48 (5820-00-223-7435), and AN/VRC-49 (5820-00-223-7437); (Used Without Intercom Systems) {EE150-JA-OP1-101-E154; TO 31R2-2VRC-191}. 15 January 1986
- TM 11-5820-401-10-2 Operator's Manual for Radio Sets, AN/VRC-12 (NSN 5820-00-223-7412) (EIC: GCC) AN/VRC-43 (5820-00-223-7415) (EIC: GCD) AN/VRC-44 (5820-00-223-7417) (EIC: GCE) AN/VRC-45 (5820-00-223-7418) (EIC: GCF) AN/VRC-46 (5820-00-223-7433) (EIC: GCG) AN/VRC-47 (5820-00-223-7434) (EIC: GCH) AN/VRC-48 (5820-00-223-7435) (EIC: GCH) AN/VRC-49 (5820-00-223-7437) (EIC: GCK) (Used With An Intercom System). 23 November 1982
- TM 11-5820-401-10-4 Operator's Quick Checks for Receiver-Transmitter, RT-246/VRC (NSN 5820-00-892-0623) and RT-524()/VRC (5820-00-892-0622). 16 October 1980
- TM 11-5830-340-12 Operator's and Unit Organizational Maintenance Manual for Intercommunication Set, AN/VIC-1(V) (NSN 5830-00-856-3273) and Control, Intercommunication Set, C-10456/VRC (5830-01-082-0804). 15 January 1986
- TM 750-245-4 Direct Support and General Support for Quality Control Inspector's Inspection Criteria. 25 January 1971

Training Circulars

- TC 43-35 Recovery Training. 3 October 1995

Department of Army Pamphlets

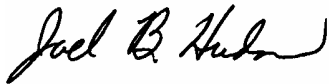
- DA PAM 738-750 Functional Users Manual for the Army Maintenance Management System (TAMMS). 1 August 1994
- DA PAM 738-751 Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A). 15 March 1999

STP 9-63H14-SM-TG
31 AUGUST 2004

By Order of the Secretary of the Army:

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

Official:



JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
0422501

DISTRIBUTION:

Active Army, Army National Guard, and US Army Reserve: Not to be distributed.
Electronic Means Only.

PIN: 079236-000