

STP 9-63H13-SM-TG

Soldier's Manual and Trainer's Guide

MOS

63H

TRACKED VEHICLE MECHANIC

SKILL LEVELS 1, 2, and 3

NOVEMBER 2006

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SOLDIER'S MANUAL and TRAINER'S GUIDE

MOS 63H

Tracked Vehicle Mechanic

Skill Levels 1, 2, and 3

CONTENTS

	PAGE
PREFACE	iv
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.....	2-1
2-2. Subject Area Codes	2-3
2-3. Duty Position Training Requirements.....	2-4
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
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

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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 (SL-3)

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

091-CLT-3008 Recon Terrain/Route 3-50

091-CLT-3009 Supervise Maintenance Operations 3-51

	PAGE
091-CLT-3010 Interpret Maintenance Operational Overlay.....	3-52
091-CLT-3011 Deploy Maintenance Support Teams	3-53
Subject Area 5: Technical Tasks (SL-3)	
091-63H-3007 Perform Diagnostics on Pressure Timed (PT) Injection System on a M993 Track Vehicle	3-54
091-63H-3008 Perform Diagnostics on Unit Type Injection System on a M113 Series Track Vehicle	3-55
091-63H-3009 Perform Diagnostics on Distributor Type Injection System on a AVDS 1970 Series Engine (M88/M48A5).....	3-56
091-63H-3025 Perform Diagnostics on Automatic Transmissions on a Track Vehicle (M113/M88/M993/M48A5)	3-57
091-63H-3120 Perform Diagnostics on Electrical Circuits on a Track Vehicle (M113/M88/M993/M48A5)	3-58
091-63H-3122 Perform Diagnostics on Hydraulic System on a Track Vehicle (M113/M88/M993/M48A5)	3-60
091-63H-3125 Perform Battlefield Damage Assessment and Repair (BDAR) on a Track Vehicle (M113/M88/M993/M48A5)	3-62
091-63H-3130 Perform Diagnostic on the Power Distribution on a M993 Track Vehicle.....	3-63
091-63H-3133 Perform Classification Inspections on Tactical Vehicles	3-64
091-63H-3136 Perform Diagnostics on a Track Vehicle Engine (M113/M88A1/M993/M48A5).....	3-65
091-63H-3137 Perform Diagnostics on a Fuel System on a Track Vehicle (M113/M88A1/M993/M48A5).....	3-67
091-63H-3138 Perform Diagnostics on Steering/ Brake System on a Track Vehicle (M113/M88A1/M993/M48A5).....	3-69
091-63H-3139 Perform Diagnostics on the Auxiliary Power Unit (APU) on a M88A1 Track Recovery Vehicle	3-71
091-63H-3140 Perform Engine Tune-up Procedures	3-72
091-63H-3141 Perform Recovery Operation	3-74
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 military occupation specialty (MOS) 63H, Skill Levels (SLs) 1, 2, and 3; their supervisors; trainers; and commanders. It contains an MOS Training Plan providing information needed to plan, conduct, and evaluate unit training, one of the most important jobs of military leaders. It includes standardized training objectives in the form of task summaries that can be used to train and evaluate soldiers on critical tasks supporting unit missions during wartime.

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

Tasks in this manual apply to the Active Army, the Army National Guard/Army National Guard of the United States, and the United States Army Reserve unless otherwise stated.

The proponent of this publication is US Army Training and Doctrine Command (TRADOC). Submit comments and recommendations on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Department of the Army, Deputy Commander for Training, Training Directorate, Fix/Arm Training Division, ATTN: ATCL-AO, 401 First Street, Suite 225, Fort Lee, VA 23801-1511.

CHAPTER 1

Introduction

1-1. General. This soldier training publication (STP) identifies individual military occupational specialty (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 2-3), 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 7-1 (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 contemporary operating environment 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/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 350-59 (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/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 7-1. Every task summary in this STP includes performance measures, which trainers may use year-round to determine if soldiers can perform critical tasks to the specified standards. The performance measures identify what the trainer needs to observe to score a soldier's performance. A blank space is provided for the trainer to check either the GO or NO-GO column for each performance measure. Some tasks require the trainer to watch the soldier perform them (evaluate the process). Other tasks call for the trainer to focus on the results of the soldier's performance (evaluate the product). Comments should not be written on the task summary. Trainers can monitor the progress of their soldiers by recording task go/no-go results. Trainers may use DA Form 5164-R (Hands-On Evaluation) to record the performance measures a soldier passed or failed. The form, which may be locally reproduced, applies to all tasks in this STP. Trainers may have DA Form 5164-R overprinted with information unique to their training requirements before reproducing it. See Appendix A of this STP for instructions, a sample of this form, and also on how to obtain a blank copy. 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 of this STP for instructions, a sample of this form, and also on how to obtain a blank copy. 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

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 on), 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
ASI/SD	Additional Skill Identifier/Special Duty
ANCOC	Advanced NCO Course
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**

- 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)

Additional Skill Identifiers

- A4 Automotive Electrical Systems Repair (Skill Levels 1 and 2 only)
- H8 Recovery Operations
- P5 Master Fitness Trainer
- Y2 Transition
- 2B Air Assault (personnel only)
- 2S Battle Staff Operations (skill level 3 and above)
- 4A Reclassification Training
- 5W Jumpmaster (personnel only)
- 6T Military Auditor (Reserve Component personnel only)
- 8P Competitive Parachutist (skill level 2-4 personnel only)

2-3. Duty Position Training Requirements.

DUTY POSITIONS FOR 63H Skill Levels 10, 20, and 30				
Line	Duty Position	MOS	Rank	Explanatory notes
1	TRACKED VEH MECH	63H10	PFC	Grades of additional positions will be in same pattern.
2	TRACKED VEH MECH	63H10	SPC	Tracked Vehicle Mechanic
3	TRACKED VEH MECH	63H20	SGT	Tracked Vehicle Mechanic
4	RECOVERY VEH OPR	63H10H8	SPC	1. Grades of additional positions will be in same pattern. 2. Use with M88 Full Track Recovery Vehicle.
5	RECOVERY VEH OPR	63H20H8	SGT	Recovery Vehicle Operator
6	RECOVERY SECT SGT	63H30	SSG	Supervision of 4 or more recovery operators in MOS 63H.
7	SR TRACKED MECH	63H30	SSG	Supervision of 4 or more CMF 63 maintenance mechanics.
8	MAINT NCO	63H30	SSG	Track, wheel, armament, combat automotive, mechanical equipment, tactical vehicle, operations, and logistics maintenance support or branch, or in CSS Automotive Management Office.
9	MHE MAINT NCO	63H30	SSG	Automotive Maintenance Branch for materiel handling equipment (MHE).
10	TECHNICAL INSPECTOR	63H30	SSG	1. IG Office in USAG, Fort Polk. 2. Motor Section in Training Battalion/ Brigade of ATC. 3. Operations and Administration Section in HQ of OPTEC. 4. SP/Twd Section in FA of ATC. 5. Wheel Vehicle Engr Rebl, Cml Stor, Vehicle QC, and Comp Branch of DESCOM. 6. Fld Tm E/H; or in M48/60 Tk, Carrier, Heavy or Medical Tac or Coml Branch in HHC of TAACOM. 7. QA/QC Section in Medical Unit, Self-Contained Transportable (MUST) of Combat Equipment Group, MICOM, USAREUR; USAG, Alaska. 8. Subsequent positions also graded SSG.
11	ASST OPERATIONS SGT	63H30	SSG	Maintenance Operations Branch, CATC, USAREUR.
12	OPERATIONS SERGEANT	63H30	SSG	1. Maintenance Operations Branch of CATC, USAREUR. 2. Maintenance Operations Branch in MMC. 3. S2/S3 Section in Maintenance Battalion of Airborne Division. 4. Operations Office and Maintenance Operations Section in HHC of USA CEGE, USAREUR.

		RANK	PVT-SPC/CPL	SGT	SSG	SFC	
Institutional Training		NCOES	PLDC →	BNCOC →	ANCOC →	63X40	
		Leadership and Functional Courses		Drill Sergeant School → Recruiter →			
Operational	Technical	TOE	Tracked Vehicle Mechanic → Recovery Vehicle Operator →	Recovery Section SGT → Senior Track Vehicle Mechanic →	Technical Inspector →	63X40	
		TDA	Tracked Vehicle Mechanic →			63X40	
	Leadership	TOE		Squad Leader → Senior Track Vehicle Mechanic →	Platoon SGT → Section SGT →	63X40	
		TDA		Drill SGT → Recruiter → Small Group Leader →		63X40	
	Staff				Operations SGT →	63X40	
	Self-Development		TOE TDA	Foundation Courses →	Advance Courses Focusing on Military Career Field and Degree Program →		63X40

2-4. Critical Tasks List.

**MOS TRAINING PLAN
63H13**

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 1				
Subject Area 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	AIT	SA	1/2
Subject Area 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
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
Subject Area 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

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
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				
Subject Area 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
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
Subject Area 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

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
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)			
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

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 9-6625-2301-14&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 required.	—	—
5. Cleaned and/or lubricated TMDE, if required.	—	—
6. Stored or packaged TMDE properly 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 9-6625-2301-14&P	

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

Conditions: In a contemporary operating environment given an assigned vehicle; repair parts; POL products, if needed; additional tools and equipment as indicated in the technical manuals; DA Pamphlet 750-8; DA Form 5988-E (Equipment Inspection Maintenance Worksheet), 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.	—	—
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 PAM 750-8
- DA FORM 5988-E

Related

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

Conditions: Given applicable tool kits, applicable references, TM 9-243, DA Form 5988-E (Equipment Inspection Maintenance Worksheet), 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

TM 9-243
DA FORM 5988-E

Related

Maintain Equipment Inspection and Maintenance Worksheet
091-109-0006

Conditions: In a contemporary operating environment given required equipment, AR 750-1, DA Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 5988-E (Equipment Inspection Maintenance Worksheet), DA Pamphlet 750-8, and DA Pamphlet 750-35.

Standards: DA Form 2404 and DA Form 5988-E were inspected and maintained in accordance with DA Pamphlet 750-8 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 750-35
- DA PAM 750-8

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 contemporary operating environment given a track vehicle with engine and transmission installed, a serviceable replacement engine and transmission, general mechanic's tool kit, necessary equipment, DA Form 5988-E (Equipment Inspection Maintenance Worksheet), and technical manuals listed in supporting products for the vehicle selected.

Standards: Replaced the engine and transmission assembly in accordance with applicable technical manuals and performance measures listed.

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 and/or final drives.	—	—
6. Removed line and linkages.	—	—
7. Removed power plant.	—	—
8. Separated transmission assembly.	—	—
9. Switched parts as needed.	—	—
10. Replaced seals as needed.	—	—
11. Installed transmission assembly.	—	—
12. Installed powerplant.	—	—
13. Connected lines and linkages.	—	—
14. Installed propeller shaft and/or final drives.	—	—
15. Performed a final operational check to verify transmission had been replaced to specifications.	—	—
16. Completed DA Form 5988-E as required.	—	—
17. 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
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 9-2350-256-24P-1
TM 9-2350-256-24P-2
TM 9-2350-256-34
TM 9-2350-261-10
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P
TM 9-2350-277-10
TM 9-2350-277-20-1
TM 9-2350-277-20-2
TM 9-2350-277-20-3
TM 9-2350-277-20-4
TM 9-2350-277-20-5
TM 9-2350-277-20-6
TM 9-2350-277-24P
TM 9-2350-277-34
TM 9-2520-254-34
TM 9-2815-219-34
TM 9-2815-220-24

Related

AR 385-10
DA PAM 738-751
DA PAM 750-8
FM 4-30.3
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 5-5420-202-24P
TM 5-5420-226-34
TM 9-2350-256-20
TM 9-2350-261-34

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

Conditions: In a contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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

Related

AR 385-10
 DA PAM 738-751
 DA PAM 750-8
 FM 4-30.3

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

Conditions: In a contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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
TM 9-1450-646-20-4
TM 9-1450-646-20-5

Related

AR 385-10
DA PAM 738-751
DA PAM 750-8
FM 4-30.3

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

Conditions: In a contemporary operating environment given a track vehicle, general mechanic's tool kit, necessary equipment, DA Form 5988-E (Equipment Inspection Maintenance Worksheet), 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, 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
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
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3
TM 9-2350-261-24P

Related

AR 385-10
DA PAM 738-751
DA PAM 750-8
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 contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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 and 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 fittings.	—	—
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
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

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

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

Conditions: In a contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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 and 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

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
TM 9-2350-261-24P

Related

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

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

Conditions: In a contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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 and 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
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

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

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

Conditions: In a contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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 and 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

- 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
- TM 9-2350-261-24P

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 contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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 and 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

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
TM 9-2350-261-24P

Related

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

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

Conditions: In a contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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 and TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Verified work request.	—	—
5. Inspected track vehicle hydraulic system and components.	—	—
6. Removed track vehicle hydraulic system components, as required.	—	—
7. Replaced track vehicle hydraulic system components, as required.	—	—
8. Checked for leaks.	—	—
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

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
TM 9-2350-261-24P

Related

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

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

Conditions: In a contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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 and 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

- DA FORM 5988-E
- TM 9-2350-256-10
- TM 9-2350-256-20
- TM 9-2350-256-24P-1

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 contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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 and 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
DA FORM 5988-E	AR 385-10
TM 9-2350-256-10	AR 750-1
TM 9-2350-256-20	AR 750-43
TM 9-2350-256-24P-1	

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

Conditions: In a contemporary operating 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 and 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 contemporary operating 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 (Equipment Inspection Maintenance Worksheet), 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 9-2815-220-24.

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

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
TM 9-2815-220-24

Related

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

Subject Area 3: ASI (H8) Recovery Tasks

Locate a Recovery Site

091-H8C-2001

Conditions: In a contemporary operating 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, and 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 contemporary operating 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	Related
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	

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

Conditions: In a contemporary operating 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 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 contemporary operating 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 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 750-8
TC 43-35
TM 9-2320-279-20-3
TM 9-243

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

Conditions: In a contemporary operating 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

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

Related

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

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

Conditions: In a contemporary operating environment given a representative track vehicle (M88 series), required materials, general mechanic's tool kit, DA Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 5988-E (Equipment Inspection Maintenance Worksheet), DA Pamphlet 750-8, 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 Pamphlet 750-8.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used proper tools and TMDE.	—	—
3. Described operation of vehicle systems and 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	Related
DA FORM 2404	AR 385-10
DA FORM 5988-E	AR 750-1
DA PAM 750-8	AR 750-43
TM 9-2350-256-10	TM 9-243
TM 9-2350-256-20	TM 9-8000
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	
TM 9-2350-292-10	

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

Conditions: In a contemporary operating 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. Stored BII properly.	—	—
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 contemporary operating 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 preventive maintenance checks and services (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 contemporary operating 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
 TM 9-243
 TM 9-8000

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

Conditions: In a contemporary operating 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, and TM 9-2350-256-34.

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
- 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 9-243
- TM 9-8000

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

Conditions: In a contemporary operating 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 maintenance actions required to be performed by other than H8 skill level (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 contemporary operating 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, 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

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
 TM 9-2350-292-10

Related

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

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

Conditions: In a contemporary operating 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, and TM 9-2350-256-34.

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

Related

AR 385-10
 AR 750-10
 AR 750-43
 DA PAM 750-8
 TM 9-243
 TM 9-8000

Skill Level 3

Subject Area 4: Common Logistic Tasks (SL-3)

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

Conditions: In a contemporary operating environment given a computer system or systems with Standard Army Maintenance System-Level 1 Enhanced (SAMS-1E) software, database of equipment files, SAMS operator, AISM 18-L21-AHN-BUR-UM, AISM 18-L26-AHO-BUR-EM, DA Form 2407 (Maintenance Request), DA Pamphlet 750-8, 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.	—	—
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 750-8

Related

**Manage a Shop Safety Program
091-CLT-3001**

Conditions: In a contemporary operating environment given a maintenance site/facility, maintenance personnel, and applicable references.

Standards: Ensured that personnel followed all safety procedures and preventable accidents were avoided. 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 corrected.	—	—
8. Kept necessary records of safety inspections and accident reports.	—	—
9. Ensured material safety data sheets (MSDS) were prepared and maintained as required in applicable work areas.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures were passed. Score the soldier NO GO if any performance measure was 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 700-138
- AR 750-1
- DA PAM 750-8
- FM 4-30.3
- TB 43-180

Related

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

Maintain a Publications Library
091-CLT-3002

Conditions: In a contemporary operating environment given publications and storage location, local and higher headquarters publications indexes and publications procedures, standing operating procedure (SOP), and applicable forms and references.

Standards: Ensured required publications are on hand or ordered, publications were arranged and maintained properly, forms/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 Pamphlet 25-30.	—	—
4. Ensured that doctrinal, training, and organizational publications on hand or on order were the most current in accordance with DA Pamphlet 25-30 and local listings.	—	—
5. Ensured that administrative publications on hand or on order were the most current in accordance with DA Pamphlet 25-30.	—	—
6. Ensured that local and higher headquarters publications on hand or on order were the most current in accordance with DA Pamphlet 25-30 and local listings.	—	—
7. Prepared DA Form 4569-1-R (Security Assistance Publication Requisition Code Sheet) in accordance with DA Pamphlet 25-33.	—	—
8. Prepared the required transmittal form in accordance with DA Pamphlet 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 Pamphlet 25-33 and local or higher headquarters publications requisitioning procedures.	—	—
10. Ensured that published changes were posted to applicable publications in accordance with DA Pamphlet 25-40 and publications change instructions.	—	—
11. Removed obsolete, rescinded, or superseded publications from library in accordance with DA Pamphlet 25-40 and publications change instructions.	—	—
12. Arranged publications in proper order and in a suitable location in accordance with DA Pamphlet 25-40.	—	—
13. Labeled binders used for storing library publications in accordance with AR 25-400-2 and DA Pamphlet 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 (APD), local, and higher headquarters publications accounts, as required, in accordance with DA Pamphlet 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
DA FORM 4569-1-R

Related

AR 25-11

Establish Maintenance Facilities
091-CLT-3003

Conditions: In a contemporary operating environment given a maintenance site, maintenance personnel, applicable equipment, maintenance shop/section standing operating procedure (SOP), and applicable references.

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 contemporary operating environment given FM 4-30.3, higher headquarters standing operating procedure (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 contemporary operating environment given applicable supply catalog(s), applicable references, and hand receipt forms.

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 (Hand Receipt/Annex Number) 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 1-02
- FM 4-30.3

Related

- DA PAM 750-8

Manage Key Control Procedures
091-CLT-3006

Conditions: In a contemporary operating environment given keys, key control rosters, key boxes/ cabinets, and applicable publications.

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 contemporary operating environment given test, measurement, and diagnostic equipment (TMDE), maintenance personnel, and applicable references.

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 preventive maintenance checks and services (PMCS) and inventory of all TMDE and auxiliary equipment are 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 contemporary operating environment given a maintenance situation/operations order (OPORD), operational overlay, grid coordinates of destination, vehicle with personnel, 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. Reconned terrain to determine suitability for maintenance site use, to determine best avenues of entry and exit, and to ensure safety of personnel and equipment.	—	—
6. Reported findings and conclusions to supervisors.	—	—

Evaluation Guidance: Score the soldier GO if all 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 contemporary operating environment given maintenance personnel, equipment, maintenance facility/site, standing operating procedures (SOPs), and applicable references.

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. Ensured unit maintenance procedures are in accordance with AR 750-1, DA Pamphlet 750-35, and local major command (MACOM) policies.	—	—
2. Provided technical assistance to unit maintenance activities.	—	—
3. Provided maintenance management to units.	—	—

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	
DA PAM 25-30	
DA PAM 710-2-1	
DA PAM 710-2-2	
DA PAM 750-1	
DA PAM 750-35	
DA PAM 750-8	
FM 4-30.3	

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

Conditions: In a contemporary operating environment given an operational overlay, map, maintenance situation/operations order (OPORD), and 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 1-02
 FM 4-30.3
 FM 5-170

Related

**Deploy Maintenance Support Teams
091-CLT-3011**

Conditions: In a contemporary operating 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.	—	—
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 1-02
FM 5-170

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 contemporary operating 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 start 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 contemporary operating 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 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 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 738-751
 DA PAM 750-8
 FM 4-30.3
 TM 9-2520-272-34&P

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

Conditions: In a contemporary operating 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 Pamphlet 738-751, FM 4-30.3, TM 9-2815-220-24, 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 9-2815-220-24
- TM 9-8000

Related

- AR 385-10
- DA PAM 750-8

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

Conditions: In a contemporary operating 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.	—	—
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 750-8
- 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 contemporary operating 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 9-2815-220-24, 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. Ensured 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
TM 9-2815-220-24
TM 9-2815-242-34

Related

AR 385-10
DA PAM 738-751
DA PAM 750-8
FM 4-30.3
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 contemporary operating 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, 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 9-2815-220-24, 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
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 9-2815-220-24
TM 9-2815-242-34

Related

AR 385-10
DA FORM 2407
DA PAM 750-8
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 contemporary operating environment given a disabled track vehicle; maintenance team; BDAR kit; and applicable forms and references including DA Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 2407 (Maintenance Request), DA Form 5988-E (Equipment Inspection Maintenance Worksheet), DA Pamphlet 750-8, DA Pamphlet 738-751, FM 4-30.3, FM 4-30.31, 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 paperwork 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:	—	—
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 738-751
 DA PAM 750-8
 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 contemporary operating environment given necessary equipment, tools, materials, DA Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 2407 (Maintenance Request), DA Form 5988-E (Equipment Inspection Maintenance Worksheet), DA Pamphlet 750-8, DA Pamphlet 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 738-751
 DA PAM 750-8
 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 contemporary operating environment given unserviceable equipment that needs to be classified; required tools; TMDE; AR 750-1, DA Pamphlet 750-8, FM 4-30.3, TM 750-245-4, 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 750-8
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 contemporary operating 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 9-2815-220-24; 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. Ensured 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 9-2815-220-24
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 contemporary operating 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 9-2815-220-24; 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 9-2815-220-24
TM 9-2815-242-34

Related

AR 385-10
AR 750-1
AR 750-43
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 9-2350-261-10
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 contemporary operating 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, 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
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
TM 9-2350-261-10
TM 9-2350-261-20-1
TM 9-2350-261-20-2
TM 9-2350-261-20-3

Related

AR 750-1
AR 750-43

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

Conditions: In a contemporary operating 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 (Equipment Inspection Maintenance Worksheet), DA Pamphlet 750-8, 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 and TMDE.	—	—
3. Followed prescribed safety procedures.	—	—
4. Practiced maintenance discipline.	—	—
5. Described how systems and 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 FORM 5988-E	
DA PAM 750-8	
TM 9-2350-256-10	
TM 9-2350-256-20	

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

Conditions: In a contemporary operating 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 9-2815-220-24, 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 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 9-2815-220-24
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
TM 9-2350-256-10
TM 9-2350-256-20
TM 9-2350-256-34
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 contemporary operating 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 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
TM 9-2350-275-BD

Related

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

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.

HANDS-ON EVALUATION For use of this form, see STP 11-25S14-SM-TG; the proponent agency is TRADOC		DATE 1 November 2004	
TASK TITLE Prepare an Equipment Maintenance Work Request		TASK NUMBER 101-92A-1113	
ITEM a	PERFORMANCE STEP TITLE b	SCORE (Check One)	
		PASS c	FAIL d
1.	Prepared a DA Form 2407 for direct support maintenance for a not mission capable (NMC) item of equipment.	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
2.	Prepared a DA Form 2407 for direct support maintenance requesting a Modification Work Order (MWO) to unit equipment.	<input type="checkbox"/> P	<input checked="" type="checkbox"/> F
3.	Prepared a DA Form 2407 for direct support maintenance requesting an estimated cost of damage (ECOD).	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
4.	Copied the work order request information from DA Form 2407 to DA Form 2405.	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
EVALUATOR'S NAME SSG Powell		UNIT W Co., 244th QM Bn	
SOLDIER'S NAME PV2 Howard		STATUS <input type="checkbox"/> GO <input checked="" type="checkbox"/> NO GO	

SAMPLE

Figure A-1. Sample of a completed DA Form 5164-R

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.

FIELD EXPEDIENT SQUAD BOOK		SHEET / OF 3	
For use of this form, see STP 10-92A10-SM-TG; the proponent agency is TRADOC.		SOLDIER'S NAME	
USER APPLICATION	TASK NUMBER AND TITLE	GO	NO-GO
STP 21-1-SMCT Soldier's Manual of Common Tasks	071-326-0512 Estimate Range	3-17-04	3-17-04
	071-329-1001 Identify Terrain	4-2-04	4-2-04
	071-311-2004 Battlesight Zero	4-6-04	4-6-04
	878-920-1001 Armored Vehicles	5-8-04	5-8-04
	071-329-1002 Grid Coordinates		
	071-329-1003 Magnetic Azimuth		
	071-311-2001 Mount M16A1 Rifle		
	071-503-1001 MANT M17-SERIES		
	031-503-1007 Decontaminate		
	031-503-1009 MOPP Gear		
081-831-1031 Buddy-Aid			
081-831-1005 Prevent Shock			
081-831-1009 Frostbite			
071-326-0511 React to Flares			
071-325-4407 Employ Hand Grenades			
081-503-1023 Exchange MOPP Gear			
081-831-1005 Prevent Shock			

Figure B-1. Sample of a completed DA Form 5165-R

GLOSSARY

ACCP	Army Correspondence Course Program
AIPD	Army Institute for Professional Development
AIMS	automated information systems manual
AIT	advanced individual training
AN	annually
ANCOC	advanced noncommissioned officer course
APD	Army Publishing Directorate
APU	auxiliary power unit
AR	Army regulation
ARTEP	Army Training and Evaluation Program
ASI	additional skill identifier
ATTN	attention
AVDS	Air Vehicle Diagnostic System
BA	biannually
BDAR	battle damage assessment and repair
BII	basic issue items
BNCOC	basic noncommissioned officer course
BTC	Basic Technical Course
BW	biweekly
CLT	common logistic task
CMF	career management field
COEI	components of end item
CPL	Corporal
CSS	combat service support
CTS	contact test set
CTT	common task test

DA	Department of the Army
DA PAM	Department of the Army pamphlet
D.C.	District of Columbia
DD	Department of Defense
F	Fahrenheit
FM	field manual
Freq	frequency
HQ	headquarters
IG	Inspector General
LO	Lubrication Order
MACOM	major Army command
MAINT	maintenance
MCSR	materiel condition status report
MECH	mechanic
METL	mission essential task list
MHE	materiel handling equipment
MO	monthly
MOS	military occupational specialty
MSDS	material safety data sheet
NCO	noncommissioned officer
NCOES	Noncommissioned Officer Education System
No.	number
OPORD	operations order
Opr	operator
ORF	operational readiness float
Pam	pamphlet
PFC	Private First Class
PLDC	Primary Leader Development Course

PMCS	preventive maintenance checks and services
POL	petroleum, oils, and lubricants
PT	Pressure Timed
QT	quarterly
RDL	Reimer Digital Library
SA	semiannual
SAMS	Standard Army Maintenance System
SAMS-1E	Standard Army Maintenance System-Level 1 Enhanced
SD	Special Duty
SFC	Sergeant First Class
SGT	Sergeant
SL	skill level
SM	soldier's manual
SMCT	soldier's manual of common tasks
SOP	standing operating procedure
SPC	Specialist
SR/Sr	senior
SSG	Staff Sergeant
STP	soldier training publication
Sust	sustainment
TAMMS	The Army Maintenance Management System
TB	technical bulletin
TC	training circular
TDA	Table of Distribution and Allowances
Tech	technical
TG	trainer's guide

TM	technical manual
TMDE	test, measurement, and diagnostic equipment
Tng	training
TOE	Tables of Organization and Equipment
UNIT	Trained in the unit
USA	United States Army
USAG	United States Army Garrison
USAREUR	United States Army, Europe
USATRADOC	United States Army Training and Doctrine Command
VA	Virginia
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) 15 November 2004
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 16 March 2006
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 600-55	The Army Driver and Operator Standardization Program (Selection, Training, Testing, and Licensing) 31 December 1993
AR 700-4	Logistics Assistance 17 March 2006
AR 700-138	Army Logistics Readiness and Sustainability 26 February 2004
AR 710-2	Supply Policy Below the National Level 8 July 2005
AR 725-50	Requisition, Receipt, and Issue System 15 November 1995
AR 735-5	Policies and Procedures for Property Accountability 28 February 2005
AR 750-1	Army Materiel Maintenance Policy 5 September 2006
AR 750-43	Army Test, Measurement and Diagnostic Equipment Program 14 December 2004

Department of Army Forms

DA forms are available on the Army Electronic Library (AEL) and the APD web site, www.apd.army.mil.

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 5988-E	Equipment Inspection Maintenance Worksheet

Department of Army Pamphlets

DA PAM 25-30	Consolidated Index of Army Publications and Blank Forms 1 October 2006
DA PAM 25-33	User's Guide for Army Publications and Forms 15 September 1996
DA PAM 25-40	Army Publishing: Action Officers Guide 5 May 2005
DA PAM 710-2-1	Using Unit Supply System (Manual Procedures) 31 December 1997
DA PAM 710-2-2	Supply Support Activity Supply System: Manual Procedures 30 September 1998

DA PAM 738-751 Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A) 15 March 1999
DA PAM 750-1 Leader's Unit Level Maintenance Handbook 3 October 2003
DA PAM 750-8 The Army Maintenance Management System (TAMMS) Users Manual 22 August 2005
DA PAM 750-35 Guide for Motor Pool Operations 1 August 1994

Field Manuals

FM 1-02 Operational Terms and Graphics 21 September 2004
FM 3-25.26 Map Reading and Land Navigation 18 January 2005
FM 4-30.3 Maintenance Operations and Procedures 28 July 2004
FM 4-30.31 Recovery and Battlefield Damage Assessment and Repair 19 September 2006
FM 5-125 Rigging Techniques, Procedures, and Applications 3 October 1995
FM 5-170 Engineer Reconnaissance 5 May 1998
FM 7-0 Training the Force 22 October 2002
FM 7-1 Battle Focused Training 15 September 2003
FM 21-31 Topographic Symbols 19 June 1961
FM 24-35 Signal Operation Instructions "The SOI" 26 October 1990
FM 25-4 How to Conduct Training Exercises 10 September 1984
FM 25-5 Training for Mobilization and War 25 January 1985

Lubrication Orders

LO 5-5420-226-12 Launcher, M48A5 Tank Chassis, Transporting for Bridge, Armored Vehicle Launched, Scissoring Type, Class 60 (NSN 5420-01-076-6096) 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 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) Carrier, Smoke Generator, Full Tracked, M1059 (2350-01-203-0188) Carrier, Mortar, 120-MM, M121; Self-Propelled, M1064 (2350-01-338-3116) Carrier, Standardized Integrated Command Post System, M1068 (2350-01-354-5657) 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

Soldier Training Publications

STP 21-1-SMCT Soldier's Manual of Common Tasks Skill Level 1 2 October 2006
STP 21-24-SMCT Soldier's Manual of Common Tasks (SMCT) Skill Levels 2-4 31 August 2003

Technical Bulletins

TB 43-180 Interactive Electronic Technical Manual (IETM) for Calibration and Repair Requirements for the Maintenance of Army Materiel 7 August 2006

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 (NSN 5420-01-076-6096) 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 (NSN 5420-01-076-6096) 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 (NSN 5420-01-076-6096) 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 (NSN 5420-01-076-6096) 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 (NSN 5420-01-076-6096) 20 November 1981
TM 5-5420-227-24	Organizational, Direct Support and General Support Maintenance Instructions for Launcher, M48A5 Tank Chassis, Transporting: For Bridge, Armored-Vehicle-Launched, Scissoring Type, Class 60 (NSN 5420-01-076-6096) 15 October 1981
TM 9-243	Use and Care of Hand Tools and Measuring Tools 12 December 1983
TM 9-1450-500-10	Operator's Manual for Loader-Transporter, Guided Missile: (HAWK Guided Missile System) Model XM501E3 (Gasoline Engine) (NSN 1450-00-066-8873) Model XM501L1 (Multifuel Engine) (1450-01-392-9896) 17 March 1988
TM 9-1450-500-20	Organizational Maintenance Manual for Loader-Transporter, Guided Missile: XM501E3, Part No. 11675300 (NSN 1450-00-066-8873) (HAWK Guided Missile System) 29 June 1979
TM 9-1450-500-24P	Unit, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Guided Missile Loader-Transporter (HAWK) XM501E3 (EIC: MAA) (NSN 1450-00-066-8873) XM501L1 (1450-01-392-9869) 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) 7 July 1998
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, 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) 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
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