

**SOLDIER'S MANUAL
AND
TRAINER'S GUIDE
FOR
M2/3 BRADLEY FIGHTING VEHICLE SYSTEM
MAINTAINER**

MOS 91M

SKILL LEVELS 1, 2, 3, and 4

MAY 2010

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Soldier's Manual and Trainer's Guide for M2/3 BRADLEY FIGHTING VEHICLE SYSTEM MAINTAINER MOS 91M Skill Levels 1, 2, 3, and 4 Contents

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*This Soldier's Training Plan supersedes STP 9-63M14-SM-TG, dated 06 May 2009.

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Preface

This soldier training publication (STP) is intended for soldiers holding MOS 91M, Skill Levels 1, 2, 3, and 4, 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 91M should have access to this publication. Trainers and firstline 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).

This publication applies to the Active Army, the Army National Guard (ARNG)/Army National Guard of the United States (ARNGUS), and the United States Army Reserve (USAR) unless otherwise stated.

The proponent of this publication is the United States 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, Training Directorate, Ordnance Training Division, ATTN: ATCL-TDF, building 5020, 2221 Adams Ave, Fort Lee, VA 23801-2102.

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

Chapter 1

Introduction

1-1. General. This soldier training publication (STP) identifies individual MOS training requirements for soldiers holding MOS 91M. 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 91M soldiers. Commanders employ two primary methods to evaluate soldiers' proficiency:

Commander's evaluation. Commander's evaluations are local tests or assessments of soldiers' performance of MOS-specific and common tasks critical to the unit mission. They may be conducted year-round.

Common task test (CTT). CTTs are hands-on tests used to evaluate proficiency on common tasks. Alternate written tests are provided if equipment is not available for hands-on testing.

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

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

Identifies subject areas in which soldiers must be trained.

Identifies critical tasks for each subject area.

Specifies where soldiers are initially trained on each task.

Recommends how often each task should be trained to sustain proficiency.

Recommends a strategy for cross-training soldiers.

Recommends a strategy for training soldiers to perform higher-level tasks.

Use this STP along with STP 21-1-SMCT (*Soldier's Manual of Common Tasks, Skill Level 1*), STP 21-24-SMCT (*Soldier's Manual of Common Tasks, Skill Levels 2-4*), Army training and evaluation programs (ARTEPs), and FM 7-0 (*Training for Full Spectrum Operations*) to establish effective training plans and programs that integrate soldier, leader, and collective tasks.

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

Task number. The task number is a 10-digit number that identifies the task and skill level. Include the task number and title in any correspondence relating to the task.

Task title. The task title identifies the action to be performed.

Conditions. The task conditions statement describes the field or garrison conditions under which the task will be performed and identifies the equipment, tools, references, job aids, and supporting personnel that the soldier needs to perform the task in wartime.

Standards. The task standards describe how well and to what level of proficiency the soldier must perform the task under wartime conditions. Standards are typically expressed in terms of accuracy, completeness, duration, sequence, speed, and tolerance.

Performance measures. This section identifies specific actions that the soldier must accomplish to complete the task successfully. Performance measures appear in a GO/NO-GO rating format for easy evaluation. Some tasks may also include detailed training information in a Training Information Outline and an Evaluation Preparation Section. The Evaluation Preparation Section indicates necessary modifications to task performance in order to train and evaluate a task that cannot be trained to the wartime standard under wartime conditions. It may also include special training and evaluation preparation instructions to accommodate these modifications and any instructions that should be given to the soldier before evaluation.

References. This section identifies references that provide more detailed explanations of task performance requirements than are given in the task summary.

Warnings. Warnings alert users to the possibility of immediate personal injury or equipment damage.

Notes. Notes provide additional supportive explanations or tips relating to task performance.

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

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

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

Another important resource for self-development is the Army Correspondence Course Program (ACCP). Information is available at local education centers or on line through the Army Institute for Professional Development (AIPD) web site, <http://www.train.army.mil/>. The web site offers on-line enrollment.

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

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

Trainers can use the MOS training plan to determine the critical tasks each soldier is responsible for. They should tell each soldier which tasks he or she must be able to perform. Trainers should evaluate task performance to determine which tasks each soldier can or cannot perform to standard. Soldiers who cannot perform a task to standard need further training. This STP helps the trainer do what trainers get paid to do; train. Developing effective training is explained in detail in FM 7-0.

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

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

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

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

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Chapter 2

Training Guide

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

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

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

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

- **Duty Position Column.** This column lists the duty positions of the MOS, by skill level, which have different training requirements.
- **Subject Area Column.** This column lists, by numerical key (see Section I), the subject areas a soldier must be proficient in to perform in that duty position.
- **Cross-Train Column.** This column lists the recommended duty position for which soldiers should be cross-trained.
- **Train-Up/Merger Column.** This column lists the corresponding duty position for the next higher skill level or MOSC the soldier will merge into on promotion.

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

- **Subject Area Column.** This column lists the subject area number and title in the same order as Section I, Part One of the MTP.
- **Task Number Column.** This column lists the task numbers for all tasks included in the subject area.
- **Title Column.** This column lists the task title for each task in the subject area.
- **Training Location Column.** This column identifies the training location where the task is first trained to soldier training 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 (ALC, SLC, etc.), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

SLC	Senior Leader's Course
ASI/SD	Additional Skill Identifier/Special Duty
ALC	Advanced Leader's Course
SNCO	Senior NCO Course
AIT	Advanced Individual Training
UNIT	Trained in the Unit

Figure 2-1. Training Locations

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
- 2 TECHNICAL TASKS (SKILL LEVEL 1/2)
- 3 RECOVERY (ASI H8 ONLY)
- 4 BRADLEY A3 TASKS (ASI B9 ONLY)

Skill Level 3

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

Skill Level 4

- 7 COMMON LOGISTICS MANAGEMENT TASKS

2-3. Duty Position Training Requirements.

91M CAREER FIELD DUTY POSITIONS			
Duty Position	Subject Area	Cross Train	Train-up/Merger
Skill Level 1			
M2/3 Bradley Fighting Vehicle System Maintainer Recovery Vehicle Operator (ASI-H8) Bradley M2A3/M3A3 System Maintainer	1-4	NA	91M20/M2/3 Bradley Fighting Vehicle System Maintainer 91M20/Recovery Vehicle Operator (ASI-H8) Bradley M2A3/M3A3 System Maintainer
Skill Level 2			
M2/3 Bradley Fighting Vehicle System Maintainer Recovery Vehicle Operator (ASI-H8) Bradley M2A3/M3A3 System Maintainer (ASI-B9)	5-6	NA	91M30/M2/3 Bradley Fighting Vehicle System Maintainer 91M30/Recovery Vehicle Supervisor Bradley M2A3/M3A3 System Maintainer (ASI-B9)
Skill Level 3			
M2/3 Bradley Fighting Vehicle System Maintainer Recovery Vehicle Supervisor	7	NA	91M40/M2/3 Bradley Fighting Vehicle System Maintenance Supervisor
Skill Level 4			
M2/3 Bradley Fighting Vehicle System Maintenance Supervisor	N/A	NA	91Z50/Mechanical Maintenance Supervisor

2-4. Critical Tasks List.

**MOS TRAINING PLAN
91M14**

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 1				
Subject Area 1. ADMINISTRATIVE TASKS				
091-109-0001	Maintain Test, Measurement, and Diagnostic Equipment (TMDE)	AIT	SA	1/2
091-109-0002	Maintain Assigned Vehicles (PMCS)	AIT	DA	1/2
091-109-0003	Maintain Assigned Tool Kits	AIT	DA	1/2
091-109-0006	Maintain Equipment Inspection and Maintenance Worksheet (DA Form 2404) and Equipment Inspection Maintenance Worksheet (DA Form 5988-E)	AIT	SA	1/2
Subject Area 2. TECHNICAL TASKS (SKILL LEVEL 1/2)				
091-91M-1001	Correct Malfunction of the VTA-903T Diesel Engine on the M2/M3 BFV	AIT	QT	1/2
091-91M-1002	Correct Malfunction of the Vehicle Charging System on the M2/M3 BFV	AIT	QT	1/2
091-91M-1003	Correct Malfunction of the Vehicle Starting System on the M2/M3 BFV	AIT	QT	1/2
091-91M-1004	Correct Malfunction of the Vehicle Transmission Assembly on the M2/M3 BFV	AIT	QT	1/2
091-91M-1005	Correct Malfunction of the Brake System on the M2/M3 BFV	AIT	QT	1/2
091-91M-1006	Correct Malfunction of the Fire Extinguishing and Suppression System on the M2/M3 BFV	AIT	QT	1/2
091-91M-1007	Correct Malfunction of the Ammunition Feeder-Loader System on the M2/M3 BFV	AIT	QT	1/2
091-91M-1008	Correct Malfunction of the Turret Elevation System on the M2/M3 BFV	AIT	QT	1/2
091-91M-1009	Correct Malfunction of the Hydraulic Access Door on the M2/M3 BFV	AIT	AN	1/2
091-91M-1010	Correct Malfunction of the Track Assembly Components on the M2/M3 BFV	AIT	AN	1/2
091-91M-1011	Correct Malfunction of the Suspension System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1012	Correct Malfunction of the Fuel System of the M2/M3 BFV	AIT	AN	1-2
091-91M-1013	Correct Malfunction of the Hull Electrical Systems on the M2/M3 BFV			
091-91M-1015	Correct Malfunction of the Ramp Assembly on the M2/M3 BFV	AIT	AN	1/2
091-91M-1017	Correct Malfunction of the CBRN System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1018	Correct Malfunction of the Cooling System on the M2/M3 BFV	AIT	AN	1/2

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
091-91M-1019	Correct Malfunction of the Steering System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1020	Correct Malfunction of the Power Unit on the M2/M3 BFV	AIT	AN	1/2
091-91M-1021	Correct Malfunction of the Fan System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1022	Correct Malfunction of the Personnel Heater on the M2/M3 BFV	AIT	AN	1/2
091-91M-1023	Correct Malfunction of the Final Drive Assembly on the M2/M3 BFV	AIT	AN	1/2
091-91M-1024	Correct Malfunction of the Deck Clearance System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1027	Perform Scheduled Services on the M2/M3 BFV	AIT	AN	1/2
091-91M-1030	Correct Malfunction of the Integrated Sight Unit (ISU) on the M2/M3 BFV	AIT	AN	1/2
091-91M-1032	Maintain the 25MM Gun System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1033	Maintain the 7.62 Gun System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1034	Correct Malfunction of the TOW Launcher System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1035	Correct Malfunction of the Traversing System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1036	Correct Malfunction of the Turret Drive on the M2/M3 BFV	AIT	AN	1/2
091-91M-1038	Correct Malfunction of the Turret Electrical Systems on the M2/M3 BFV	AIT	AN	1/2
091-91M-1039	Correct Malfunction of Compression Ignition Air Induction System on the M2/M3 BFV	AIT	AN	1/2
091-91M-1040	Perform Battlefield Damage Assessment and Repair on the M2/M3 BFV	AIT	AN	1/2
Subject Area 3. RECOVERY (ASI H8 ONLY)				
091-H8T-2014	Maintain Charging System on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2015	Maintain Starting System on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2016	Maintain Auxiliary Power Unit (APU) on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2017	Maintain Brake System on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2018	Maintain Nose Cone Assembly on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2019	Maintain Micro Switches on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2020	Perform Winch Ground Hop Procedures on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8C-2001	Locate a Recovery Site	ASI/SD	SA	1/2
091-H8C-2002	Determine Recovery Methods	ASI/SD	SA	1/2
091-H8C-2003	Operate Tactical Communications Equipment	ASI/SD	SA	1/2
091-H8C-2004	Operate Metal Cutting Equipment	ASI/SD	SA	1/2
091-H8T-2001	Maintain Recovery Vehicle Weapons	ASI/SD	SA	1/2
091-H8T-2002	Complete Preventive Maintenance Checks and Services on a Tracked Recovery Vehicle	ASI/SD	SA	1/2

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
091-H8T-2003	Use Basic Issue Items Related to Tracked Recovery Vehicle	ASI/SD	AN	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 Winches on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2009	Recover a Mired Tracked Vehicle	ASI/SD	SA	1/2
091-H8T-2010	Recover an Overturned Tracked Vehicle	ASI/SD	SA	1/2
091-H8T-2011	Tow a Tracked Vehicle on Improved/Highway Surface	ASI/SD	SA	1/2
091-H8T-2012	Tow of a Tracked Vehicle Cross Country	ASI/SD	SA	1/2
091-H8T-2013	Complete Field Expedient Recovery on a Tracked Vehicle	ASI/SD	SA	1/2
Subject Area 4. BRADLEY A3 TASKS (ASI B9 ONLY)				
091-AB9-0006	Maintain Power Management and Distribution Subsystem (PMDS)	ASI/SD	QT	1/2
091-AB9-0008	Maintain Turret Drive Subsystem (TDS)	ASI/SD	QT	1/2
091-AB9-0009	Maintain Position Sensor Subsystem (PSS)	ASI/SD	QT	1/2
091-AB9-0010	Maintain Improved Bradley Acquisition Subsystem (IBAS)	ASI/SD	QT	1/2
091-AB9-0011	Maintain Commander's Independent Viewer (CIV) Subsystem	ASI/SD	QT	1/2
091-AB9-0012	Maintain Fire Control Subsystem (FCS)	ASI/SD	QT	1/2
091-AB9-0014	Perform Fault Isolation Test (FIT) Using Vehicle Diagnostic Maintenance Software (VDMS)	ASI/SD	QT	1/2
091-AB9-0015	Maintain Turret Cooling Fan Components	ASI/SD	QT	1/2
091-AB9-0016	Operate the Chassis Modernization Embedded Diagnostic (CMED) Software	ASI/SD	QT	1/2
091-AB9-0017	Perform Fault Isolation Using Chassis Modernization Embedded Diagnostic (CMED) Software	ASI/SD	QT	1/2
091-AB9-0018	Operation of Commander's Tactical Display (CTD)	ASI/SD	QT	1/2
091-AB9-0019	Familiarization of Vehicle Diagnostic Maintenance Software (VDMS)	ASI/SD	QT	1/2
091-AB9-0020	Familiarization of Vehicle 1553 Data Bus System	ASI/SD	QT	1/2
091-AB9-0021	Update Vehicle Software on the M2/M3 System	ASI/SD	QT	1/2
Skill Level 3				
Subject Area 5. COMMON LOGISTIC TASKS				
091-CLT-3001	Manage a Maintenance Facility Safety Program	ALC	AN	3
091-CLT-3002	Establish a Maintenance Facility Publications/Electronic Technical Manual Library	ALC	AN	3
091-CLT-3003	Establish Maintenance Facilities	ALC	AN	3
091-CLT-3004	Prepare a Maintenance Facility Standing Operating Procedure	ALC	AN	3
091-CLT-3005	Manage Tool Control Procedures	ALC	AN	3

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
091-CLT-3006	Manage Key Control Procedures	ALC	AN	3
091-CLT-3007	Manage the TMDE Calibration Program	ALC	AN	3
091-CLT-3009	Supervise Maintenance Operations	ALC	AN	3
091-CLT-3012	Manage Maintenance Information Systems Reports	ALC	AN	3
Subject Area 6. TECHNICAL TASKS (SKILL LEVEL 3)				
091-91M-3004	Perform Diagnostic Procedures of the Traversing System on the M2/M3 BFV	ALC	SA	3
091-91M-3005	Perform Diagnostic Procedures of the Elevation System on the M2/M3 BFV	ALC	SA	3
091-91M-3006	Perform Diagnostic Procedures of the Stabilization System on the M2/M3 BFV	ALC	SA	3
091-91M-3012	Perform Diagnostic Procedures of the Hull Electrical Systems on the M2/M3 BFV	ALC	SA	3
091-91M-3015	Perform Diagnostic Procedures of the VTA-903T Diesel Engine on the M2/M3 BFV	ALC	SA	3
091-91M-3016	Perform Battlefield Damage Assessment and Repair of the M2/M3 BFV	ALC	SA	3
091-91M-3026	Perform Diagnostic Procedures of the Transmission Assembly on the M2/M3 BFV	ALC	SA	3
091-91M-3036	Perform Diagnostic Procedures of the Deck Clearance System on the M2/M3 BFV	ALC	SA	3
091-91M-3044	Perform Diagnostic Procedures of the Integrated Sight Unit on the M2/M3 BFV	ALC	SA	3
091-91M-3046	Perform Diagnostic Procedures of the 25MM Gun System on the M2/M3 BFV	ALC	SA	3
091-91M-3047	Perform Diagnostic Procedures of the 7.62 Gun System on the M2/M3 BFV	ALC	SA	3
091-91M-3048	Perform Diagnostic Procedures of the TOW Launcher System on the M2/M3 BFV	ALC	SA	3
091-91M-3049	Perform Diagnostic Procedures of the Turret Drive on the M2/M3 BFV	ALC	SA	3
091-91M-3050	Perform Diagnostic Procedures of the GNRs/CMDRs Hand Station on the M2/M3 BFV	ALC	SA	3
091-91M-3051	Perform Diagnostic Procedures of the Turret Electrical System on the M2/M3 BFV	ALC	SA	3
091-91M-3052	Perform Diagnostic Procedures of the Fire Control System on the M2/M3 BFV	ALC	SA	3
091-91M-3053	Repair Turret Distribution Box on the M2/M3 BFV	ALC	SA	3
091-91M-3054	Repair TOW Elevation Drive Gearbox on the M2/M3 BFV	ALC	SA	3
091-91M-3055	Repair Vehicle Distribution Box on the M2/M3 BFV	ALC	SA	3
091-91M-3056	Repair Traverse Drive Gearbox on the M2/M3 BFV	ALC	SA	3
091-91M-3057	Remove Turret Assembly on the M2/M3 BFV	ALC	SA	3
091-91M-3058	Install Turret Assembly on the M2/M3 BFV	ALC	SA	3

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 4				
<i>Subject Area 7. COMMON LOGISTICS MANAGEMENT TASKS</i>				
091-CLT-4001	Perform Senior Rater Responsibilities for a Maintenance Section	SLC	AN	4
091-CLT-4002	Supervise Platoon/Section Administrative Procedures	SLC	AN	4
091-CLT-4003	Manage Combat Stress	SLC	AN	4
091-CLT-4006	Coordinate Support for the Maintenance Platoon/Section	SLC	AN	4
091-CLT-4010	Integrate Automated Logistics Support Systems	SLC	AN	4
091-CLT-4011	Plan Logistics Support for Maintenance Operations	SLC	AN	4
091-CLT-4021	Prepare Standing Operating Procedures for Maintenance Operations	SLC	AN	4
091-CLT-4022	Supervise the Deployment of Company Maintenance Team/Recovery Support Team/Maintenance Support Team	SLC	AN	4
091-CLT-4023	Conduct a Route Reconnaissance for a Maintenance Mission	SLC	AN	4
091-CLT-4024	Conduct an Area Reconnaissance for a Maintenance Mission	SLC	AN	4
091-CLT-4025	Manage Battlefield Maintenance Support	SLC	AN	4
091-CLT-4026	Perform Support Operations NCO Duties	SLC	AN	4
091-CLT-4027	Manage Maintenance Operations at a Maintenance Collection Point	SLC	AN	4
091-CLT-4028	Provide Maintenance Support During Tactical Operations	SLC	AN	4

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Chapter 3

MOS/Skill Level Tasks

Skill Level 1

Subject Area 1: ADMINISTRATIVE TASKS

Maintain Test, Measurement, and Diagnostic Equipment (TMDE)

091-109-0001

Conditions: In a contemporary operational environment (COE) given applicable test, measurement, and diagnostic equipment (TMDE); Army regulation (AR) 750-43; Technical Bulletin (TB) 43-180; Technical Manual (TM) 9-6625-2301-14&P; TM 11-6625-3052-14; suitable tools; and suitable cleaning materials.

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

Performance Steps

1. Select and use applicable references.
2. Inspect TMDE for damage.
3. Test-operate TMDE to determine proper operation.
4. Check calibration date, if required.
5. Clean and/or lubricate TMDE, if required.
6. Store or package TMDE properly after maintenance or use.
7. Maintain the contact test set (CTS).
8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
9. Perform required preventive maintenance checks and services (PMCS).
10. Maintain tools and equipment.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

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 The Army Maintenance Management System (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

AR 750-43

TB 43-180

TM 11-6625-3052-14

TM 9-6625-2301-14&P

Related

Maintain Assigned Vehicles (PMCS)

091-109-0002

Conditions: In a contemporary operational environment (COE) given an assigned vehicle; repair parts; petroleum, oil, lubricants (POL) products, if needed; additional tools and equipment as indicated in the technical manuals (TMs); Department of the Army (DA) Pamphlet 750-8; DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*); other applicable technical publications; other necessary forms; and supervision/assistance.

Standards: Maintain assigned vehicle preventive maintenance checks and services (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 were annotated and required maintenance actions to be performed by other than assigned vehicle operator had been identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Perform PMCS in accordance with TM.
5. Annotate actions taken on DA Form 5988-E.
6. Maintain tools and equipment.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

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 TM.	—	—
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 Form 5988-E
DA PAM 750-8

Related

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

Conditions: In a contemporary operational environment (COE) given applicable tool kits, applicable references, Technical Manual (TM) 9-243, Department of the Army (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 Steps

1. Select and use applicable references.
2. Inspect tools for serviceability and accountability.
3. Practice shop safety and maintenance discipline.
4. Identify damaged items and notified supervisor.
5. Apply lubricants or preservatives, as needed.
6. Annotate corrective actions taken on DA Form 5988-E.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

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

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

References

Required

DA Form 5988-E

TM 9-243

Related

Maintain Equipment Inspection and Maintenance Worksheet (DA Form 2404) and Equipment Inspection Maintenance Worksheet (DA Form 5988-E)

091-109-0006

Conditions: In a contemporary operational environment (COE) given required equipment, DA Form 2404, DA Form 5988-E, and applicable references.

Standards: DA Form 2404 and DA Form 5988-E are inspected and maintained in accordance with DA Pamphlet 750-8 to ensure all required information had been correctly annotated.

Performance Steps

1. Perform administrative actions.
 - a. Select and use applicable references.
 - b. Practice shop safety and maintenance discipline.
2. Annotate deficiencies as required by technical manual and ensure all entries are complete, as required.
3. Ensure all safety precautions and procedures are followed.
4. Ensure all entries are reviewed and verified by supervisor.
5. Ensure proper disposition of forms.

Evaluation Preparation: Provide the Soldier with the equipment and or materials described in the condition statement.

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative actions. <ol style="list-style-type: none"> a. Selected and used applicable references. b. Practiced shop safety and maintenance discipline. 	—	—
2. Annotated deficiencies as required by technical manual and ensured all entries are complete, as required.	—	—
3. Ensured all safety precautions and procedures are followed.	—	—
4. Ensured all entries were reviewed and verified by supervisor.	—	—

Performance Measures

GO **NO-GO**

5. 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 750-3
- DA PAM 750-8
- TM 9-2350-314-10

Related

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

**Correct Malfunction of the VTA-903T Diesel Engine on the M2/M3 BFV
091-91M-1001**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the VTA-903T diesel engine on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use correct tools and TMDE.
3. Follow prescribed safety procedures.
4. Verify work request.
5. Inspect VTA-903T diesel engine/systems/components.
 - a. Check for any visible damage.
 - b. Check for leaks.
6. Troubleshoot the VTA-903T diesel engine and determine maintenance action to be performed.
7. Verify the fault (s).
8. Adjust and/or replace VTA-903T diesel engine/systems/components.
9. Perform a final operational test to verify that the VTA-903T diesel engine malfunction(s) is correct to specification.
10. Complete TAMMS forms, as required.

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. Followed prescribed safety procedures.	—	—
4. Verified work request.	—	—
5. Inspected VTA-903T diesel engine/systems/components.	—	—
6. Troubleshoot the VTA-903T diesel engine and determined maintenance action to be performed.	—	—
7. Verified the fault (s).	—	—
8. Adjusted and/or replaced VTA-903T diesel engine/systems/components.	—	—

Performance Measures

GO **NO-GO**

- | | | |
|---|---|---|
| 9. Performed a final operational test to verify that the VTA-903T diesel engine malfunction(s) is corrected to specification. | — | — |
| 10. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

Related

- DA Form 5988-E
- TM 9-2350-284-10-1
- TM 9-2350-284-20-1-1
- TM 9-2350-284-20-1-2
- TM 9-2350-284-20-1-3
- TM 9-2350-284-20-1-4
- TM 9-2350-284-20-1-5

**Correct Malfunction of the Vehicle Charging System on the M2/M3 BFV
091-91M-1002**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of vehicle charging systems in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the vehicle charging system/components.
5. Troubleshoot vehicle charging system and determine maintenance action to be performed.
6. Adjust and/or replace vehicle charging system/components.
7. Perform a final operational test to verify that the vehicle charging system malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

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. Inspected the vehicle charging systems/components.	—	—
5. Troubleshoot vehicle charging system and determined maintenance action to be performed.	—	—
6. Adjusted and/or replaced vehicle charging systems/components.	—	—
7. Performed a final operational test to verify that the vehicle charging system malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Correct Malfunction of the Vehicle Starting System on the M2/M3 BFV
091-91M-1003**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the vehicle starting system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect compression ignition systems/components.
5. Troubleshoot compression ignition system and determine maintenance action to be performed.
6. Replace/repair faulty part(s)/component(s).
7. Perform a final operational test to verify that the ignition system malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

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. Inspected compression ignition systems/components.	___	___
5. Troubleshoot ignition system and determined maintenance action to be performed.	___	___
6. Replaced/repared the faulty part(s)/component(s).	___	___
7. Performed a final operational test to verify that the ignition system malfunction(s) is corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Correct Malfunction of the Vehicle Transmission Assembly on the M2/M3 BFV
091-91M-1004**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the vehicle transmission assembly on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the transmission assembly systems/components.
5. Troubleshoot the transmission assembly and determine maintenance action to be performed.
Adjust neutral steer.
6. Perform a final operational test to verify that the transmission assembly malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

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. Inspected the transmission assembly systems/components.	___	___
5. Troubleshoot the transmission assembly and determined maintenance action to be performed. Adjusted neutral steer.	___	___
6. Performed a final operational test to verify that the transmission assembly malfunction(s) is corrected to specification.	___	___
7. Annotated corrective actions taken on the DA Form 5988-E.	___	___
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

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

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Correct Malfunction of the Brake System on the M2/M3 BFV
091-91M-1005**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the brake system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the mechanical brake systems/components.
5. Troubleshoot M2/M3 series brake system and determine maintenance action to be performed.
 - a. Adjust output service brakes.
 - b. Adjust parking brakes.
6. Perform a final operational test to verify that the mechanical brake system malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

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. Inspected the mechanical brake systems/components.	___	___
5. Troubleshoot M2/M3 series brake system and determined maintenance action to be performed. <ol style="list-style-type: none"> a. Adjusted output service brakes. b. Adjusted parking brakes. 	___	___
6. Performed a final operational test to verify that the mechanical brake system malfunction(s) is corrected to specification.	___	___
7. Annotated corrective actions taken on the DA Form 5988-E.	___	___
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Correct Malfunction of the Fire Extinguishing and Suppression System on the M2/M3 BFV
091-91M-1006**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the fire extinguishing and suppression system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the fire extinguishing and suppression system/components.
5. Troubleshoot the fire extinguishing and suppression system and determine maintenance action to be performed.
6. Replace faulty fire suppression assembly.
7. Perform a final operational test to verify that the fire extinguishing and suppression system malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected the fire extinguishing and suppression system/components.	—	—
5. Troubleshoot the fire extinguishing and suppression system and determine maintenance action to be performed.	—	—
6. Replaced faulty fire suppression assembly.	—	—
7. Performed a final operational test to verify that the fire extinguishing and suppression system malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Correct Malfunction of the Ammunition Feeder-Loader System on the M2/M3 BFV
091-91M-1007**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of ammunition feeder-loader system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect ammunition feeder-loader systems/components.
5. Inspect ammunition feeder-loader systems/components.
6. Replace the round positioner assembly.
7. Repair the feeder handle assembly.
8. Repair the chain guides and mechanical interlock assembly.
9. Repair the track assembly.
10. Perform a final operational test to verify that the ammunition feeder-loader system malfunction(s) is corrected to specification.
11. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
12. Maintain tools and equipment.

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. Inspected ammunition feeder-loader systems/components.	___	___
5. Inspected ammunition feeder-loader systems/components.	___	___
6. Replaced the round positioner assembly.	___	___
7. Repaired the feeder handle assembly.	___	___
8. Repaired the chain guides and mechanical interlock assembly.	___	___
9. Repaired the track assembly.	___	___

Performance Measures	<u>GO</u>	<u>NO-GO</u>
10. Performed a final operational test to verify that the ammunition feeder-loader system malfunction(s) is corrected to specification.	—	—
11. Annotated corrective actions taken on the DA Form 5988-E.	—	—
12. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

- DA Form 5988-E
- TM 9-2350-284-10-1
- TM 9-2350-284-20-2-1
- TM 9-2350-284-20-2-2
- TM 9-2350-284-20-2-3

Related

Correct Malfunction of the Turret Elevation System on the M2M3 BFV
091-91M-1008

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle, repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the turret elevation system on the M2M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect turret elevation system/components.
5. Troubleshoot the M2/M3 turret elevation system using TMDE and determine maintenance action to be performed.
6. Perform a final operational test to verify that the turret elevation system malfunctions are corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected turret elevation system/components.	—	—
5. Troubleshoot the turret elevation system using TMDE and determined maintenance action to be performed.	—	—
6. Performed a final operational test to verify that the turret elevation system malfunctions are corrected to specification.	—	—
7. Annotated corrective actions taken on the DA Form 5988-E.	—	—
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E

TM 9-2350-284-10-1

TM 9-2350-284-20-2-1

TM 9-2350-284-20-2-2

TM 9-2350-284-20-2-3

Related

**Correct Malfunction of the Hydraulic Access Door on the M2/M3 BFV
091-91M-1009**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the hydraulic access door on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect hydraulic access door/ components.
5. Troubleshoot the hydraulic access door/components using TMDE and determine maintenance action to be performed.
6. Perform a final operational test to verify that the hydraulic access door/components malfunctions are corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected hydraulic access door/components.	___	___
5. Troubleshoot the hydraulic access door/components using TMDE and determined maintenance action to be performed.	___	___
6. Performed a final operational test to verify that the hydraulic access door/components malfunctions are corrected to specification.	___	___
7. Annotated corrective actions taken on the DA Form 5988-E.	___	___
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
LO 9-2350-284-12
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-10-2-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-2-1-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

Correct Malfunction of the Track Assembly Components on the M2/M3 BFV
091-91M-1010

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the track assembly components on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools.
3. Practice shop safety and maintenance discipline.
4. Inspect track assembly components.
5. Perform a final operational test to verify that the track assembly components malfunctions are corrected to specification.
6. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
7. Maintain tools and equipment.

Evaluation Preparation: None

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable technical publications.	—	—
2. Selected and used applicable tools.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Inspected track assembly components.	—	—
5. Performed a final operational test to verify that the track assembly components malfunctions are corrected to specification.	—	—
6. Annotated corrective actions taken on the DA Form 5988-E.	—	—
7. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
DA PAM 750-8
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3
TM 9-2350-284-24P-1

Related

**Correct Malfunction of the Suspension System on the M2/M3 BFV
091-91M-1011**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the suspension system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect suspension system/components.
5. Troubleshoot the suspension system/components using TMDE and determine maintenance action to be performed.
6. Perform a final operational test to verify that the suspension system/components malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected suspension system/components.	—	—
5. Troubleshoot the suspension system/components using TMDE and determined maintenance action to be performed.	—	—
6. Performed a final operational test to verify that the suspension system/components malfunction(s) is corrected to specification.	—	—
7. Annotated corrective actions taken on the DA Form 5988-E.	—	—
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-2350-284-34-1
TM 9-2350-284-34-2
TM 9-2350-284-34-3-1
TM 9-2350-284-34-3-2
TM 9-2520-270-34

Related

**Correct Malfunction of the Fuel System of the M2/M3 BFV
091-91M-1012**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the fuel system of the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect fuel system/components.
5. Troubleshoot the fuel system using TMDE and determine maintenance action to be performed.
6. Perform a final operational test to verify that the fuel system malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected fuel system/components.	—	—
5. Troubleshoot the fuel system using TMDE and determined maintenance action to be performed.	—	—
6. Performed a final operational test to verify that the fuel system malfunction(s) is corrected to specification.	—	—
7. Annotated corrective actions taken on the DA Form 5988-E.	—	—
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Correct Malfunction of the Hull Electrical Systems on the M2/M3 BFV
091-91M-1013**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the hull electrical systems on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified..

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect hull systems component(s).
5. Troubleshoot hull electrical systems fault(s) using TMDE and determine maintenance action(s) required.
6. Adjust and/or replace hull electrical systems component(s).
7. Perform a final operational test to verify that the hull electrical systems malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected hull systems component(s).	—	—
5. Troubleshoot hull electrical systems fault(s) using TMDE and determined maintenance action(s) required.	—	—
6. Adjusted and/or replaced hull electrical systems component(s).	—	—
7. Performed a final operational test to verify that the hull electrical systems malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

- DA Form 5988-E
- TM 9-2350-284-10-1
- TM 9-2350-284-20-1-1
- TM 9-2350-284-20-1-2
- TM 9-2350-284-20-1-3
- TM 9-2350-284-20-1-4
- TM 9-2350-284-20-1-5
- TM 9-2350-284-20-2-1
- TM 9-2350-284-20-2-2
- TM 9-2350-284-20-2-3

Related

**Correct Malfunction of the Ramp Assembly on the M2/M3 BFV
091-91M-1015**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the ramp assembly on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the ramp assembly component(s).
5. Troubleshoot the ramp assembly and determine maintenance action to be performed.
6. Perform a final operational test to verify that the ramp assembly malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected the ramp assembly component(s).	—	—
5. Troubleshoot the ramp assembly and determined maintenance action to be performed.	—	—
6. Performed a final operational test to verify that the ramp assembly malfunction(s) is corrected to specification.	—	—
7. Annotated corrective actions taken on the DA Form 5988-E.	—	—
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-2350-284-24P-1

Related

**Correct Malfunction of the CBRN System on the M2/M3 BFV
091-91M-1017**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of chemical, biological, radiological, and nuclear (CBRN) system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the CBRN system/components.
5. Troubleshoot the CBRN system and determine maintenance action to be performed.
6. Replace the CBRN system faulty component(s).
7. Perform a final operational test to verify that the CBRN system malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected the CBRN system/components.	—	—
5. Troubleshoot the CBRN system and determined maintenance action to be performed.	—	—
6. Replaced the CBRN system faulty component(s).	—	—
7. Performed a final operational test to verify that the CBRN system malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-2350-284-24P-1

Related

**Correct Malfunction of the Cooling System on the M2/M3 BFV
091-91M-1018**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the cooling system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the liquid cooled engine system component(s).
5. Troubleshoot liquid cooled engine and determine the maintenance action to be performed.
 - a. Replace the cooling fan.
 - b. Replace the radiator.
 - c. Replace and/or adjust the coolant pump.
6. Perform a final operational test to verify that the liquid cooled engine malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected the liquid cooled engine system component(s).	—	—
5. Troubleshoot liquid cooled engine and determined the maintenance action to be performed: <ol style="list-style-type: none"> a. Replaced the cooling fan. b. Replaced the radiator. c. Replaced and/or adjusted the coolant pump. 	—	—
6. Performed a final operational test to verify that the liquid cooled engine malfunction(s) is corrected to specification.	—	—

Performance Measures

GO **NO-GO**

7. Annotated corrective actions taken on the DA Form 5988-E.

— —

8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

- DA Form 5988-E
- TM 9-2350-284-10-1
- TM 9-2350-284-20-1-1
- TM 9-2350-284-20-1-2
- TM 9-2350-284-20-1-3
- TM 9-2350-284-20-1-4
- TM 9-2350-284-20-1-5

Related

**Correct Malfunction of the Steering System on the M2/M3 BFV
091-91M-1019**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the steering system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the track vehicle suspension systems/components.
5. Troubleshoot track vehicle suspension systems and determine the maintenance action to be performed.
 - a. Replace road wheel arm.
 - b. Replace torsion bar.
 - c. Replace track adjuster.
6. Perform a final operational test to verify that the track vehicle suspension systems malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected the track vehicle suspension systems/components.	—	—
5. Troubleshoot track vehicle suspension systems and determined the maintenance action to be performed. <ol style="list-style-type: none"> a. Replaced road wheel arm. b. Replaced torsion bar. c. Replaced track adjuster. 	—	—
6. Performed a final operational test to verify that the track vehicle suspension systems malfunction(s) is corrected to specification.	—	—
7. Annotated corrective actions taken on the DA Form 5988-E.	—	—

Performance Measures

GO **NO-GO**

8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

Related

DA Form 5988-E

TM 9-2350-284-10-1

TM 9-2350-284-20-1-1

TM 9-2350-284-20-1-2

TM 9-2350-284-20-1-3

TM 9-2350-284-20-1-4

TM 9-2350-284-20-1-5

**Correct Malfunction of the Power Unit on the M2/M3 BFV
091-91M-1020**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the power unit on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable technical publications.
3. Practice shop safety and maintenance discipline.
4. Inspect the power unit/components.
5. Troubleshoot the power unit and determine maintenance action to be performed.
6. Adjust and/or replace faulty components.
7. Perform a final operational test to verify that the power unit malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).

Evaluation Preparation: None

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable technical publications.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected the power unit/components.	___	___
5. Troubleshoot the power unit and determined maintenance action to be performed.	___	___
6. Adjusted and/or replaced faulty components.	___	___
7. Performed a final operational test to verify that the power unit malfunction(s) is corrected to specification.	___	___
8. Annotated corrective actions taken on the 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

**Correct Malfunction of the Fan System on the M2/M3 BFV
091-91M-1021**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the fan system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the fan system component(s).
5. Troubleshoot the fan system and determine the maintenance action to be performed.
6. Perform a final operational test to verify that the fan system malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected the fan system component(s).	___	___
5. Troubleshoot fan system and determined the maintenance action to be performed.	___	___
6. Performed a final operational test to verify that the fan system malfunction(s) is corrected to specification.	___	___
7. Annotated corrective actions taken on the DA Form 5988-E.	___	___
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-2350-284-24P-1

Related

**Correct Malfunction of the Personnel Heater on the M2/M3 BFV
091-91M-1022**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the personnel heater on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the personnel heater/component(s).
5. Troubleshoot and determine the personnel heater maintenance action to be performed.
6. Perform a final operational test to verify that the personnel heater malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected the personnel heater/component(s).	—	—
5. Troubleshoot and determined the personnel heater maintenance action to be performed.	—	—
6. Performed a final operational test to verify that the personnel heater malfunction(s) is corrected to specification.	—	—
7. Annotated corrective actions taken on the DA Form 5988-E.	—	—
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Correct Malfunction of the Final Drive Assembly on the M2/M3 BFV
091-91M-1023**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the final drive assembly on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the final drive assembly/components.
5. Troubleshoot the final drive assembly and determine maintenance action to be performed.
6. Perform a final operational test to verify that the final drive assembly malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected the final drive assembly/component(s).	—	—
5. Troubleshoot the final drive assembly and determined maintenance action to be performed.	—	—
6. Performed a final operational test to verify that the final drive assembly malfunction(s) is corrected to specification.	—	—
7. Annotated corrective actions taken on the DA Form 5988-E.	—	—
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E

TM 9-2350-284-10-1

TM 9-2350-284-20-1-1

TM 9-2350-284-20-1-2

TM 9-2350-284-20-1-3

TM 9-2350-284-20-1-4

TM 9-2350-284-20-1-5

Related

**Correct Malfunction of the Deck Clearance System on the M2/M3 BFV
091-91M-1024**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the deck clearance system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the deck clearance system/components.
5. Troubleshoot the deck clearance system and determine maintenance action to be performed.
6. Perform a final operational test to verify that the deck clearance system malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected the deck clearance system/components.	—	—
5. Troubleshoot the deck clearance system and determined maintenance action to be performed.	—	—
6. Performed a final operational test to verify that the deck clearance system malfunction(s) is corrected to specification.	—	—
7. Annotated corrective actions taken on the DA Form 5988-E.	—	—
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-2350-284-34-1
TM 9-2350-284-34-2
TM 9-2350-284-34-3-1
TM 9-2350-284-34-3-2
TM 9-2520-270-34

Related

**Perform Scheduled Services on the M2/M3 BFV
091-91M-1027**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform scheduled services on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform unit preventative maintenance checks and services on the M2/M3 BFV.
5. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
6. Maintain tools and equipment.

Evaluation Preparation: None

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 unit preventative maintenance checks and services on the M2/M3 BFV.	___	___
5. Annotated corrective actions taken on the 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-8000

Related

**Correct Malfunction of the Integrated Sight Unit (ISU) on the M2/M3 BFV
091-91M-1030**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the Integrated Sight Unit (ISU) on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect integrated sight unit/components.
5. Troubleshoot the integrated sight unit/components.
6. Repair the integrated sight unit/components.
7. Replace faulty integrated sight unit/components.
8. Perform a final operational test to verify that the integrated sight unit malfunction(s) is corrected to specification.
9. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
10. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected integrated sight unit/components.	—	—
5. Troubleshoot the integrated sight unit/components.	—	—
6. Repaired the integrated sight unit/components.	—	—
7. Replaced faulty integrated sight unit/components.	—	—
8. Performed a final operational test to verify that the integrated sight unit malfunction(s) is corrected to specification.	—	—
9. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-1005-200-23&P
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

**Maintain the 25MM Gun System on the M2/M3 BFV
091-91M-1032**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Maintain the 25mm gun system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect cannon assembly systems/components.
5. Remove the M242, 25mm automatic gun.
6. Troubleshoot the M242, 25mm automatic gun.
7. Repair the bolt and carrier assembly.
8. Install the M242, 25mm automatic gun.
9. Perform a final operational test to verify that the cannon assembly malfunction(s) is corrected to specification.
10. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
11. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected cannon assembly systems/components.	—	—
5. Removed the M242, 25mm automatic gun.	—	—
6. Troubleshoot the M242, 25mm automatic gun.	—	—
7. Repaired the bolt and carrier assembly.	—	—
8. Installed the M242, 25mm automatic gun.	—	—

Performance Measures	<u>GO</u>	<u>NO-GO</u>
9. Performed a final operational test to verify that the cannon assembly malfunction(s) is corrected to specification.	—	—
10. Annotated corrective actions taken on the DA Form 5988-E.	—	—
11. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required	Related
DA Form 5988-E	
TM 9-1005-200-23&P	
TM 9-2350-284-10-1	
TM 9-2350-284-20-2-1	
TM 9-2350-284-20-2-2	
TM 9-2350-284-20-2-3	

**Maintain the 7.62 Gun System on the M2/M3 BFV
091-91M-1033**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Maintain the 7.62 gun system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect 7.62 system/components.
5. Troubleshoot the 7.62 gun system.
6. Repair the gun system.
7. Perform a final operational test to verify that the 7.62 gun system malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected 7.62 gun system/components.	—	—
5. Troubleshoot the 7.62 gun system.	—	—
6. Repaired the gun system.	—	—
7. Performed a final operational test to verify that the 7.62 gun system malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-1005-200-23&P
TM 9-2350-284-10-1
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

**Correct Malfunction of the TOW Launcher System on the M2/M3 BFV
091-91M-1034**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the tube-launched, optically tracked, wire-guided (TOW) Launcher System on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect turret launcher system/components.
5. Troubleshoot M2/M3 TOW rotor and gun rotor deck clearance switches.
 - a. Adjust TOW rotor switch assembly.
 - b. Adjust gun rotor deck clearance switch.
6. Troubleshoot M2/M3 TOW elevation drive and lift mechanism assemblies.
 - a. Adjust TOW elevation drive variable resistor assembly.
 - b. Adjust TOW lift mechanism lower limit position switch.
 - c. Adjust TOW lift mechanism upper limit position switch.
 - d. Adjust TOW elevation drive shift linkage
7. Perform a final operational test to verify that the turret launcher system malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected turret launcher system/components.	—	—
5. Troubleshoot M2/M3 TOW rotor and gun rotor deck clearance switches. <ol style="list-style-type: none"> a. Adjusted TOW rotor switch assembly. b. Adjusted gun rotor deck clearance switch. 	—	—
6. Troubleshoot M2/M3 TOW elevation drive and lift mechanism assemblies. <ol style="list-style-type: none"> a. Adjusted TOW elevation drive variable resistor assembly. 	—	—

Performance Measures	<u>GO</u>	<u>NO-GO</u>
b. Adjusted TOW lift mechanism lower limit position switch.		
c. Adjusted TOW lift mechanism upper limit position switch.		
d. Adjusted TOW elevation drive shift linkage.		
7. Performed a final operational test to verify that the turret launcher system malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required	Related
DA Form 5988-E	
TM 11-6625-3052-14	
TM 9-2350-284-10-1	
TM 9-2350-284-10-2	
TM 9-2350-284-20-2-1	
TM 9-2350-284-20-2-2	
TM 9-2350-284-20-2-3	

**Correct Malfunction of the Traversing System on the M2/M3 BFV
091-91M-1035**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the traversing system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect traversing system/components.
5. Troubleshoot the M2/M3 traversing system using TMDE and determine maintenance action to be performed.
6. Replace and adjust faulty components.
7. Perform a final operational test to verify that the traversing system malfunctions is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

Evaluation Preparation: None

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. Inspected traversing system/components.	—	—
5. Troubleshoot the M2/M3 traversing system using TMDE and determined maintenance action to be performed.	—	—
6. Replaced and adjusted faulty components.	—	—
7. Performed a final operational test to verify that the traversing system malfunctions is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
DA PAM 750-8
TM 11-6625-3052-14
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3
TM 9-2350-284-24P-1
TM 9-4910-751-14&P

Related

**Correct Malfunction of the Turret Drive on the M2/M3 BFV
091-91M-1036**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the turret drive on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform initial inspection on the turret drive/components.
5. Troubleshoot the M2/M3 turret drive/components using TMDE and determine maintenance action to be performed.
6. Replace and adjust faulty components.
7. Perform a final operational test to verify that the turret drive/component malfunction is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

Evaluation Preparation: None

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 initial inspection on the turret drive/components.	—	—
5. Troubleshoot the M2/M3 turret drive/components using TMDE and determined maintenance action to be performed.	—	—
6. Replaced and adjusted faulty components.	—	—
7. Performed a final operational test to verify that the turret drive/component malfunction is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

**Correct Malfunction of the Turret Electrical Systems on the M2/M3 BFV
091-91M-1038**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the turret electrical systems on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform initial inspection on the turret electrical systems/components.
5. Troubleshoot turret electrical systems using TMDE and determine maintenance action(s) required.
6. Adjust and/or replace turret electrical systems/components.
7. Perform a final operational test to verify that the turret electrical systems malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

Evaluation Preparation: None

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 initial inspection on the turret electrical systems/components.	—	—
5. Troubleshoot turret electrical systems using TMDE and determined maintenance action(s) required.	—	—
6. Adjusted and/or replaced turret electrical systems/components.	—	—
7. Performed a final operational test to verify that the turret electrical systems malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-1-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

**Correct Malfunction of Compression Ignition Air Induction System on the M2/M3 BFV
091-91M-1039**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Correct malfunction of the compression ignition air induction system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Practice shop safety and maintenance discipline.
3. Select and use applicable tools and TMDE.
4. Perform initial inspection on the compression ignition air induction system/components.
5. Troubleshoot the compression ignition air induction system and determine the maintenance action to be performed.
6. Repair/replace faulty component(s).
7. Perform a final operational test to verify that the compression ignition air induction system malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
9. Maintain tools and equipment.

Evaluation Preparation: None

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable technical publications.	—	—
2. Practiced shop safety and maintenance discipline.	—	—
3. Selected and used applicable tools and TMDE.	—	—
4. Performed initial inspection on the compression ignition air induction system/components.	—	—
5. Troubleshoot the compression ignition air induction system and determined the maintenance action to be performed.	—	—
6. Repaired/replaced faulty component(s).	—	—
7. Performed a final operational test to verify that the compression ignition air induction system malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Perform Battlefield Damage Assessment and Repair on the M2/M3 BFV
091-91M-1040**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform Battle Damage Assessment and Repair on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Review work request/commander's directive.
2. Ensure applicable technical publications are available.
3. Inspect vehicle to diagnose damage.
4. Determine necessary BDAR repairs.
5. Ensure proper tools, TMDE, and equipment are available to perform BDAR.
6. Ensure all safety precautions and procedures are followed.
7. Ensure task is performed in accordance with appropriate technical manuals and references.
8. Conduct an in-process inspection.
9. Perform a final inspection to ensure the vehicle is capable of functioning in a battlefield environment.
10. Ensure maintenance forms are completed, as required.
11. Ensure tools and equipment are properly maintained.

Evaluation Preparation: None

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Reviewed work request/commander's directive.	—	—
2. Ensured applicable technical publications are available.	—	—
3. Inspected vehicle to diagnose damage.	—	—
4. Determined necessary BDAR repairs.	—	—
5. Ensured proper tools, TMDE, and equipment are available to perform BDAR.	—	—
6. Ensured all safety precautions and procedures are followed.	—	—
7. Ensured task is performed in accordance with appropriate technical manuals and references.	—	—
8. Conducted an in-process inspection.	—	—
9. Performed a final inspection to ensure the vehicle is capable of functioning in a battlefield environment.	—	—

Performance Measures

GO **NO-GO**

10. Ensured maintenance forms are completed, as required.

11. Ensured tools and equipment are 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

Related

- DA Form 5988-E
- TM 9-2350-284-20-1-1
- TM 9-2350-284-20-1-2
- TM 9-2350-284-20-1-3
- TM 9-2350-284-20-1-4
- TM 9-2350-284-20-1-5
- TM 9-2350-284-20-2-1
- TM 9-2350-284-20-2-1-1
- TM 9-2350-284-20-2-2
- TM 9-2350-284-20-2-3
- TM 9-2350-284-24P-1
- TM 9-2350-284-24P-2

Subject Area 3: RECOVERY (ASI H8 ONLY)

**Maintain Charging System on a Tracked Recovery Vehicle
091-H8T-2014**

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

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

Standards: As a group, complete the practical exercise, "Maintain Charging System on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
 - a. Identify which technical manual to be used.
 - b. Follow steps outlined in technical manual for charging system.
2. Inventory and determine serviceability of BII and TMDE.
 - a. Ensure all tools are serviceable.
 - b. Identify appropriate tools in BII.
3. Check all electrical connections.
 - a. Follow procedures outlined in technical manual.
 - b. Replace any worn parts.
4. Perform diagnostic procedures on charging system.
 - a. Conduct a risk assessment.
 - b. Follow steps outlined in technical manual.
5. Follow prescribed safety procedures.
 - a. Follow safety precautions outlined in technical manual.
 - b. Follow safety guidelines outlined in unit SOP.
6. Complete TAMMS forms as required.
 - a. Annotate any deficiencies on appropriate forms.
 - b. Ensure forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.
7. Maintain tools and equipment.
 - a. Ensure all BII is accounted for.
 - b. Ensure all tools are cleaned and stored properly.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	—	—
a. Identified which technical manual was used.		
b. Followed steps outlined in technical manual for charging system.		
2. Inventoried and determined serviceability of BII and TMDE.	—	—
a. Ensured all tools were serviceable.		
b. Identified appropriate tools in BII.		
3. Checked all electrical connections.	—	—
a. Followed procedures outlined in technical manual.		
b. Replaced any worn parts.		
4. Performed diagnostic procedures on charging system.	—	—
a. Conducted a risk assessment.		
b. Followed steps outlined in technical manual.		
5. Followed prescribed safety procedures.	—	—
a. Followed safety precautions outlined in technical manual.		
b. Followed safety guidelines outlined in unit SOP.		
6. Completed TAMMS forms as required.	—	—
a. Annotated any deficiencies on appropriate forms.		
b. Ensured forms were in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.		
7. Maintained tools and equipment.	—	—
a. Ensured BII was accounted for.		
b. Ensured all tools were cleaned and stored properly.		

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
 DA PAM 750-8
 EM 0266
 FM 5-125

Related

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

References

Required

TM 9-2350-256-10
TM 9-2350-256-20-1
TM 9-2350-256-20-2
TM 9-2350-256-24P-1
TM 9-2350-256-24P-2
TM 9-2350-292-10
TM 9-2350-292-14&P

Related

**Maintain Starting System on a Tracked Recovery Vehicle
091-H8T-2015**

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

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

Standards: As a group, complete the practical exercise, "Maintain Starting System on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
 - a. Identify appropriate technical manual (TM).
 - b. Follow steps outlined in TM.
2. Inventory and determine appropriate basic issue items (BII) and TMDE.
 - a. Ensure all tools are serviceable.
 - b. Identify appropriate tools in BII.
3. Check all electrical connections.
 - a. Follow procedures outlined in TM.
 - b. Replace any worn parts.
4. Perform diagnostic procedures for starting system.
 - a. Follow procedures outlined in TM.
 - b. Adjust alternator, if needed.
 - c. Adjust belt tension, if needed.
5. Follow prescribed safety procedures.
 - a. Follow safety procedures outlined in TM.
 - b. Follow safety guidelines outlined in unit standing operating procedure (SOP).
6. Complete all applicable forms.
 - a. Annotate any deficiencies on appropriate forms.
 - b. Ensure forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.
7. Maintain tool and equipment.
 - a. Ensure all BII is accounted for.
 - b. Ensure all tools are cleaned and serviceable.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications. <ol style="list-style-type: none"> a. Identified appropriate technical manual (TM). b. Followed steps outlined in TM. 	—	—
2. Inventoried and determined appropriate basic issue items (BII) and TMDE. <ol style="list-style-type: none"> a. Ensured all tools were serviceable. b. Identified appropriate tools in BII. 	—	—

Performance Measures	<u>GO</u>	<u>NO-GO</u>
3. Checked all electrical connections.	—	—
a. Followed procedures outlined in TM.		
b. Replaced any worn parts.		
4. Performed diagnostic procedures for starting system	—	—
a. Followed procedures outlined in TM.		
b. Adjusted alternator, if required.		
c. Adjusted belt tension, if needed.		
5. Followed prescribed safety procedures.	—	—
a. Followed safety procedures outlined in TM.		
b. Followed safety guidelines outlined in unit standing operating procedure (SOP).		
6. Completed all applicable forms.	—	—
a. Annotated any deficiencies on appropriate forms.		
b. Ensured forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.		
7. Maintained tools and equipment.	—	—
a. Ensured all BII was accounted for.		
b. Ensured all tools were cleaned and serviceable.		

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
 DA PAM 750-8
 EM 0266
 FM 5-125
 TM 9-2350-256-10
 TM 9-2350-256-20-1
 TM 9-2320-256-20-2
 TM 9-2350-256-24P-1
 TM 9-2350-256-24P-2
 TM 9-2350-292-10
 TM 9-2350-292-14&P

Related

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

**Maintain Auxiliary Power Unit (APU) on a Tracked Recovery Vehicle
091-H8T-2016**

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

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

Standards: As a group, complete the practical exercise, "Maintain Auxiliary Power Unit (APU) on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
 - a. Identify which technical manual will be used.
 - b. Follow steps outlined in technical manual.
2. Inventory BII and TMDE.
 - a. Ensure all tools are serviceable.
 - b. Identify which tools will be used.
3. Practice maintenance discipline.
 - a. Follow safety guidelines for motor-pool.
 - b. Ensure proper safety equipment is utilized.
4. Inspect vehicle APU components.
 - a. Ensure there is no visible damage to components.
 - b. Follow procedures outlined in technical manual.
5. Follow prescribed safety procedures.
 - a. Follow safety precautions outlined in technical manual.
 - b. Follow safety guidelines outlined in unit SOP.
6. Clean vehicle APU mounting components.
 - a. Clean debris that will cause damage to vehicle and system.
 - b. Inspect for damage to gaskets or seals.
7. Replace APU components, as required.
 - a. Use appropriate tools.
 - b. Disconnect electrical connections.
 - c. Tag and label parts for turn-in, if required.
8. Perform final operational check to verify system is operational.
 - a. Follow steps outlined in technical manual.
 - b. Annotate any deficiencies on applicable forms, if needed.
9. Maintain tools and equipment.
 - a. Ensure all BII is accounted for.
 - b. Ensure all tools are cleaned and stored properly.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	—	—
a. Identified which technical manual was used.		
b. Followed steps outlined in technical manual.		
2. Inventoried BII and TMDE.	—	—
a. Ensured all tools were serviceable.		
b. Identified which tools were used.		
3. Practiced maintenance discipline.	—	—
a. Followed safety guidelines for motor-pool.		
b. Ensured proper safety equipment is utilized.		
4. Inspected vehicle APU components.	—	—
a. Ensured there was no visible damage to components.		
b. Followed procedures outlined in technical manual.		
5. Followed prescribed safety procedures.	—	—
a. Followed safety precautions outlined in technical manual.		
b. Followed safety guidelines outlined in unit SOP.		
6. Cleaned vehicle APU mounting components.	—	—
a. Cleaned debris that will cause damage to vehicle and system.		
b. Inspected for damage to gaskets and seals.		
7. Replaced APU components, if required.	—	—
a. Used appropriate tools.		
b. Disconnected electrical connections.		
c. Tagged and labeled parts for turn-in, if required.		
8. Performed final operational check to verify system was operational.	—	—
a. Followed steps outlined in technical manual.		
b. Annotated any deficiencies on applicable forms, if needed.		
9. Maintained tools and equipment.	—	—
a. Ensured BII was accounted for.		
b. Ensured all tools are cleaned and stored properly.		

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
EM 0266	AR 385-10
FM 5-125	AR 750-1
TM 9-2350-256-10	AR 750-43
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-292-10	
TM 9-2350-292-14&P	

Maintain Brake System on a Tracked Recovery Vehicle
091-H8T-2017

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

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

Standards: As a group, complete the practical exercise, "Maintain Brake System on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
 - a. Identify which technical manual will be used.
 - b. Follow steps outlined in technical manual.
2. Select and use correct tools and TMDE.
 - a. Identify applicable tools in BII.
 - b. Ensure tools are serviceable.
3. Follow prescribed safety procedures.
 - a. Follow procedures outlined in technical manual.
 - b. Follow safety precautions outlined in unit SOP.
4. Practice maintenance discipline.
 - a. Follow safety guidelines outlined in motor-pool.
 - b. Ensure proper safety equipment is used, if needed.
5. Inspect vehicle brake system components.
 - a. Follow steps outlined in technical manual.
 - b. Check vehicle for leaks.
 - c. Check for missing components.
6. Replace vehicle brake system components, if required.
 - a. Remove damage components, if required.
 - b. Tag and label part for turn-in.
7. Perform final operational inspection.
 - a. Ensure parts are tightened to specification.
 - b. Verify fault was correct, if required.
 - c. Take vehicle on a road test and perform PMCS.
8. Maintain tools and equipment.
 - a. Ensure all tools are accounted for.
 - b. Ensure all tools and equipment are cleaned properly.
9. Complete DA Form 5988-E, if required.
 - a. Annotate faults corrected on applicable forms.
 - b. Ensure paperwork gets turned-in to ULLS clerk.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications. a. Identified which technical manual was used. b. Followed steps outlined in technical manual.	—	—
2. Selected and used correct tools and TMDE. a. Identified applicable tools in BII. b. Ensured tools were serviceable.	—	—
3. Followed prescribed safety procedures. a. Followed procedures outlined in technical manual. b. Followed safety precautions outlined in unit SOP.	—	—
4. Practiced maintenance discipline. a. Followed safety guidelines outlined in motor-pool. b. Ensured proper safety equipment was used, if needed.	—	—
5. Inspected vehicle brake system components. a. Followed steps outlined in technical manual. b. Checked vehicle for leaks. c. Checked for missing components.	—	—
6. Replaced vehicle brake system components, if required. a. Removed damaged components, if required. b. Tagged and labeled parts for turn-in.	—	—
7. Performed final operational inspection. a. Ensured parts are tightened to specification. b. Verified fault was corrected, if required. c. Took vehicle on a road test and performed PMCS.	—	—
8. Maintained tools and equipment. a. Ensured all tools were accounted for. b. Ensured all tools and equipment were cleaned properly.	—	—
9. Completed DA Form 5988-E, if required. a. Annotated faults corrected on applicable forms. b. Ensured paperwork got turned-in to ULLS clerk.	—	—

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

EM 0266

FM 5-125

TM 9-2350-256-10

TM 9-2350-256-20-1

TM 9-2320-256-20-2

TM 9-2350-292-10

TM 9-2350-292-14&P

Related

AR 385-10

AR 750-1

AR 750-43

**Maintain Nose Cone Assembly on a Tracked Recovery Vehicle
091-H8T-2018**

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

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

Standards: As a group, complete the practical exercise, "Maintain Nose Cone Assembly on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
 - a. Identify which technical manual will be used.
 - b. Follow steps outlined in technical manual.
2. Select and use correct tools and TMDE.
 - a. Identify applicable tools in BII.
 - b. Ensure serviceability of tools.
3. Follow prescribed safety procedures
 - a. Follow procedures outlined in technical manual.
 - b. Follow safety precautions outlined in unit SOP.
4. Practice maintenance discipline.
 - a. Follow safety guidelines outlined in motor-pool.
 - b. Ensure proper safety equipment is used.
5. Inspect vehicle Nose crane assembly and winch,
 - a. Follow steps outlined in technical manual.
 - b. Check assembly for serviceability.
 - c. Check for missing components.
6. Replace nose crane assembly components, if required.
 - a. Follow steps outlined in technical manual.
 - b. Use proper tools for specified job.
 - c. Remove any damaged components.
 - d. Tag and label broken components for turn-in, if needed.
7. Perform operational inspection.
 - a. Ensure parts are tightened to specification.
 - b. Verify fault was corrected, if required.
8. Maintain tools and equipment.
 - a. Ensure all tools are accounted for.
 - b. Ensure tools and equipment are cleaned properly.
9. Complete DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), if required.
 - a. Annotate fault corrected on applicable forms.
 - b. Ensure paperwork gets turned-in to ULLS clerk.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications. a. Identified which technical manual was used. b. Followed steps outlined in technical manual.	—	—
2. Selected and used correct tools and TMDE. a. Identified applicable tools in BII. b. Ensure serviceability of tools.	—	—
3. Followed prescribed safety procedures. a. Followed procedures outlined in technical manual. b. Followed safety precautions outlined in unit SOP.	—	—
4. Practiced maintenance discipline. a. Followed safety guidelines outlined in motor-pool. b. Ensured proper safety equipment was used.	—	—
5. Inspected vehicle Nose crane assembly and winch. a. Followed steps outlined in technical manual. b. Checked assembly for serviceability. c. Checked for missing components.	—	—
6. Replaced nose crane assembly components, if required. a. Followed steps outlined in technical manual. b. Used proper tools for specified job. c. Removed any damaged components. d. Tagged and labeled broken components for turn-in, if needed.	—	—
7. Performed operational inspection. a. Ensured parts were tightened to specification. b. Verified fault was corrected, if required.	—	—
8. Maintained tools and equipment. a. Ensured all tools were accounted for. b. Ensured tools and equipment were cleaned properly.	—	—
9. Completed DA Form 5988-E, if required. a. Annotated fault corrected on applicable forms. b. Ensured paperwork got turned-in to ULLS Clerk.	—	—

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
EM 0266
FM 5-125
TM 9-2350-256-10
TM 9-2350-256-20-1
TM 9-2350-256-20-2
TM 9-2350-292-10
TM 9-2350-292-14&P

Related

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

Maintain Micro Switches on a Tracked Recovery Vehicle
091-H8T-2019

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88A2 Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

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

Standards: As a group, complete the practical exercise, "Maintain Micro Switches on a M88A2 Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publication.
 - a. identify which technical manual will be used.
 - b. Follow steps outlined in technical manual.
2. Follow prescribed safety procedures.
 - a. Follow procedures outlined in technical manual.
 - b. Follow safety procedures outlined in unit SOP.
3. Practice maintenance discipline.
 - a. Follow safety guidelines outlined in motor-pool.
 - b. Ensure proper safety equipment is used.
4. Inspect vehicle micro switches.
 - a. Follow steps outlined in technical manual.
 - b. Disconnect batteries, if needed.
 - c. Check for missing parts.
5. Replace micro switches, if required.
 - a. Follow steps outlined in technical manual.
 - b. Use proper tools for specified job.
 - c. Remove any damaged parts.
 - d. Tag and label any broken or worn parts for turn-in.
6. Perform operational inspection.
 - a. Ensure batteries are connected.
 - b. Ensure switches are properly functioning.
7. Maintain tools and equipment.
 - a. Ensure all tools are accounted for.
 - b. Clean and store tools properly.
8. Complete DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), as required.
 - a. Annotate fault corrected on applicable forms.
 - b. Ensure paperwork gets turned-in to ULLS clerk.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	—	—
a. Identified which technical manual was used.		
b. Followed steps outlined in technical manual.		
2. Followed prescribed safety procedures.	—	—
a. Followed procedures outlined in technical manual.		
b. Followed safety procedures outlined in unit SOP.		
3. Practiced maintenance discipline.	—	—
a. Followed procedures outlined in motor-pool.		
b. Ensured proper safety equipment was used.		
4. Inspected vehicle micro switches.	—	—
a. Followed steps outlined in technical manual.		
b. Disconnected batteries, if required.		
c. Checked for missing parts.		
d. Tagged and labeled any broken or worn parts for turn-in.		
5. Replaced micro switches, if required.	—	—
a. Followed steps outlined in technical manual.		
b. Used proper tools for specified job.		
c. Removed any damaged parts.		
d. Tagged and labeled any broken parts for turn-in.		
6. Performed operational inspection.	—	—
a. Ensured batteries were connected.		
b. Ensured switches were properly functioning.		
7. Maintained tools and equipment.	—	—
a. Ensured all tools are accounted for.		
b. Cleaned and stored tools properly.		
8. Completed DA Form 5988-E, as required.	—	—
a. Annotated fault corrected on applicable forms.		
b. Ensured paperwork got turned-in to ULLS clerk.		

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
- EM 0266
- FM 5-125
- TM 9-2350-256-10
- TM 9-2350-292-10
- TM 9-2350-292-14&P

Related

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

**Perform Winch Ground Hop Procedures on a Tracked Recovery Vehicle
091-H8T-2020**

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88A2 Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

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

Standards: As a group, complete the practical exercise, "Perform Winch Ground Hop Procedures on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publication.
 - a. Identify which technical manual (TM) will be used.
 - b. Follow steps outlined in TM.
2. Follow prescribed safety procedures.
 - a. Follow procedures outlined in TM.
 - b. Followed safety procedures outlined in unit standing operating procedure (SOP).
3. Practice maintenance discipline.
 - a. Follow safety guidelines outlined in motor pool.
 - b. Ensure proper protective gear is used.
4. Perform ground hop procedures.
 - a. Ensure all leads are connected.
 - b. Follow steps outlined in TM.
 - c. Use appropriate tools for specified job.
 - d. Tag and label any broken or worn parts for turn-in.
5. Perform operational inspection.
 - a. Conduct inspection of vehicle and parts for serviceability.
 - b. Conduct a preventive maintenance checks and services (PMCS).
6. Complete DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), as required.
 - a. Annotate any deficiencies on applicable forms.
 - b. Ensure forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.
 - c. Ensure paperwork gets turned-in to Unit Level Logistics System (ULLS) clerk.
7. Maintain tools and equipment.
 - a. Ensure all tools are accounted for.
 - b. Clean and store tools properly.
 - c. Ensure tools and equipment are cleaned and serviceable.

Performance Measures

GO **NO-GO**

1. Selected and used applicable publications.
 - a. Identified which technical manual (TM) was used.
 - b. Followed steps outlined in TM.

_____ _____

Performance Measures	<u>GO</u>	<u>NO-GO</u>
2. Followed prescribed safety procedures.	_____	_____
a. Followed procedures outlined in TM.		
b. Followed safety procedures outlined in unit standing operating procedure (SOP).		
3. Practiced maintenance discipline.	_____	_____
a. Followed safety guidelines outlined in motor pool.		
b. Ensured proper protective gear is used.		
4. Performed ground hop procedures.	_____	_____
a. Ensured all leads were connected.		
b. Followed steps outlined in TM.		
c. Used appropriate tools for specified job.		
d. Tagged and labeled any broken or worn parts for turn-in.		
5. Performed operational inspection.	_____	_____
a. Conducted inspection of vehicle and parts for serviceability.		
b. Conducted a preventive maintenance checks and services (PMCS).		
6. Completed DA Form 5988-E, as required.	_____	_____
a. Annotated any deficiencies on applicable forms.		
b. Ensured forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.		
c. Ensured paperwork gets turned-in to Unit Level Logistics System (ULLS) clerk.		
7. Maintained tools and equipment.	_____	_____
a. Ensured all tools are accounted for.		
b. Cleaned and stored tools properly.		
c. Ensured tools and equipment were cleaned and serviceable.		

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
 DA PAM 750-8
 EM 0266
 FM 5-125
 TM 9-2350-256-10
 TM 9-2350-292-10
 TM 9-2350-292-14&P

Related

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

**Locate a Recovery Site
091-H8C-2001**

Conditions: In a contemporary operational environment (COE) given a representative recovery vehicle, required materials, multi-capability tool kit, and applicable references.

Standards: Locate 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 Steps

1. Select and use applicable publications.
2. Identify terrain features.
3. Identify map symbols and colors.
4. Locate site using military grid reference system.
5. Calculate distance.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

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 3-25.26
TM 9-2320-428-10

Related
TC 43-35

References

Required

TM 9-2320-429-10
TM 9-2320-430-10
TM 9-2320-432-10
TM 9-2320-433-10
TM 9-2320-434-10
TM 9-2320-435-10
TM 9-2320-431-10-1
TM 9-2320-431-10-2
TM 9-2320-279-20-1
TM 9-2320-279-20-2
TM 9-2320-279-20-3

Related

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

Conditions: In a contemporary operational environment (COE) given a representative recovery vehicle, required materials, general mechanic's tool kit, and applicable references including Field Manual (FM) 5-125, Training Circular (TC) 43-35, and recovery vehicle Technical Manual (TM) 9-2320-428-10, TM 9-2320-429-10, TM 9-2320-430-10, TM 9-2320-432-10, TM 9-2320-433-10, TM 9-2320-434-10, TM 9-2320-435-10, TM 9-2320-431-10-1, TM 9-2320-431-10-2, TM 9-2320-279-20-1, TM 9-2320-279-20-2, and TM 9-2320-279-20-3.

Standards: Determine recovery methods, source of effort, and mechanical advantage needed in accordance with references.

Performance Steps

1. Select and use applicable publications.
2. Reconnoiter area.
3. Estimate situation.
4. Calculate ratios.
5. Obtain resistance.
6. Verify solution.
7. Erect rigging.
8. Recheck rigging.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

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.	—	—

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
6. Verified solution.	_____	_____
7. Erected rigging.	_____	_____
8. Rechecked rigging.	_____	_____

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

References**Required**

FM 5-125
 TC 43-35
 TM 9-2320-428-10
 TM 9-2320-429-10
 TM 9-2320-430-10
 TM 9-2320-432-10
 TM 9-2320-433-10
 TM 9-2320-434-10
 TM 9-2320-435-10
 TM 9-2320-431-10-1
 TM 9-2320-431-10-2
 TM 9-2320-279-20-1
 TM 9-2320-279-20-2
 TM 9-2320-279-20-3

Related

TM 9-2320-272-10
 TM 9-2350-256-10

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

Conditions: In a contemporary operational environment (COE) given a representative wheel vehicle (M984 series), required materials, general mechanic's tool kit, Technical Manual (TM) 11-5820-890-10-3, TM 9-2320-428-10, TM 9-2320-429-10, TM 9-2320-430-10, TM 9-2320-432-10, TM 9-2320-434-10, TM 9-2320-433-10, TM 9-2320-434-10, TM 9-2320-431-10-1, TM 9-2320-431-10-2, 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 Steps

1. Select and use applicable publications.
2. Prepare communications equipment for operation.
3. Send tactical communications.
4. Receive tactical communications
5. Shut down tactical communications operation.
6. Follow prescribed safety procedures.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

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**

TM 11-5820-890-10-3
TM 9-2320-428-10
TM 9-2320-429-10
TM 9-2320-430-10
TM 9-2320-432-10
TM 9-2320-433-10
TM 9-2320-434-10
TM 9-2320-435-10
TM 9-2320-431-10-1
TM 9-2320-431-10-2
TM 9-2320-279-20-1
TM 9-2320-279-20-2
TM 9-2320-279-20-3

Related

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 operational environment (COE) given a representative recovery vehicle, required materials, general mechanic's tool kit, Training Circular (TC) 9-237, and applicable recovery vehicle Technical Manual (TM) 9-2320-428-10, TM 9-2320-429-10, TM 9-2320-430-10, TM 9-2320-432-10, TM 9-2320-433-10, TM 9-2320-434-10, TM 9-2320-435-10, TM 9-2320-431-10-1, TM 9-2320-431-10-2, TM 9-2320-279-20-1, TM 9-2320-279-20-2, and TM 9-2320-279-20-3.

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 Steps

1. Select and use applicable publications.
2. Determine the method to cut metal.
3. Prepare metal cutting equipment, as required.
4. Cut metal.
5. Secure metal cutting equipment.
6. Follow prescribed safety procedures.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

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 9-2320-428-10
TM 9-2320-429-10
TM 9-2320-430-10
TM 9-2320-432-10
TM 9-2320-433-10
TM 9-2320-434-10
TM 9-2320-435-10
TM 9-2320-431-10-1
TM 9-2320-431-10-2
TM 9-2320-279-20-1
TM 9-2320-279-20-2
TM 9-2320-279-20-3

Related

AR 385-10
AR 750-1
DA PAM 750-8
TC 43-35
TM 9-2320-366-10-1
TM 9-2320-366-10-2
TM 9-2350-256-10
TM 9-243

Maintain Recovery Vehicle Weapons

091-H8T-2001

Conditions: In a contemporary operational environment (COE) given a representative tracked 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*), Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, 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: Maintain the M88 series vehicle weapons in accordance with the preventive maintenance checks and services (PMCS) table and procedures and specifications of the applicable TM. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publication.
 - a. Ensure appropriate TM is used.
 - b. Ensure steps are followed outlined in the TM.
2. Use proper safety methods.
 - a. Ensure proper safety methods are followed.
 - b. Follow prescribed safety precautions outlined in TM.
3. Disassemble machine gun.
 - a. Ensure machine gun is on safe.
 - b. Lock bolt to the rear
 - c. Ensure weapon is clear.
 - d. Follow steps outline in the TM.
4. Check for broken or missing parts.
 - a. Separate machine gun components.
 - b. Visually inspect each machine gun component for damage.
 - c. Tag and label any parts for turn-in.
 - d. Ensure DA Form 2404 or DA Form 5988-E has been filled out.
5. Ensure all parts are cleaned and lubricated.
 - a. Clean each machine gun component.
 - b. Follow lubrication procedures outline in the TM.
6. Assemble machine gun.
 - a. Locate and identify machine gun components to be assembled.
 - b. Follow assemble procedures outline within the TM.
7. Set head-space and timing.
 - a. Ensure proper tools are used.
 - b. Follow procedures outlined in the TM for setting head-space and timing.
 - c. Verify head-space and timing settings.
8. Inspect machine gun mount for missing, cracks, or broken parts.
 - a. Follow proper procedures outlined in the TM.
 - b. Tag and label any broken parts for turn-in.
 - c. Ensure part has been requisitioned on proper paperwork.

Performance Steps

9. Ensure launcher tubes are free of rust, dirt and corrosion.
 - a. Follow proper procedures outlined in the TM.
 - b. Remove any rust, dirt and corrosion found within or on launcher tubes.
10. Ensure that grenade launcher wiring harness connectors are connected.
 - a. Locate and identify grenade launcher wiring harness connectors.
 - b. Check grenade launcher wiring harness for proper connections.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications. <ol style="list-style-type: none"> a. Ensured appropriate TMs were used. b. Ensured steps are followed outlined in the TM. 	—	—
2. Used proper safety methods. <ol style="list-style-type: none"> a. Ensured proper safety methods are followed. b. Followed prescribed safety precautions outlined in TM. 	—	—
3. Disassembled machine gun. <ol style="list-style-type: none"> a. Ensured machine gun was on safe. b. Locked bolt to the rear. c. Ensured weapon was cleared. d. Followed steps outlined in the TM. 	—	—
4. Checked for broken or missing parts. <ol style="list-style-type: none"> a. Separated machine gun components. b. Visually inspected each machine gun component for damage. c. Tagged and labeled any parts for turn-in. d. Ensured DA Form 2404 and DA Form 5988-E have been filled out. 	—	—
5. Ensured all parts were cleaned and lubricated. <ol style="list-style-type: none"> a. Cleaned each machine gun component. b. Followed lubrication procedures outlined in the TM. 	—	—
6. Assembled machine gun. <ol style="list-style-type: none"> a. Located and identified machine gun components to be assembled. b. Followed assembly procedures outline within the TM. 	—	—

Performance Measures	<u>GO</u>	<u>NO-GO</u>
7. Set head-space and timing.	—	—
a. Ensured proper tools were used.		
b. Followed procedures outlined in the TM.		
c. Verified head-space and timing settings.		
8. Inspected machine gun mount for missing, cracked, or broken parts.	—	—
a. Followed proper procedures outlined in the TM.		
b. Tagged and labeled any broken parts for turn-in.		
c. Ensured part had been requisitioned on proper paperwork.		
9. Ensured launcher tubes were free of rust, dirt, and corrosion.	—	—
a. Followed proper procedures outlined in the TM.		
b. Removed any rust, dirt, and corrosion found within or on launcher tubes.		
10. Ensured that grenade launcher wiring harness connectors were connected.	—	—
a. Located and identified grenade launcher wiring harness connections.		
b. Checked grenade launcher wiring harness for proper connections.		

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

References

Required

- DA Form 2404
- DA Form 5988-E
- TM 9-2350-256-10
- TM 9-2350-256-20-1
- TM 9-2350-256-20-2
- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2

Related

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

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

Conditions: In a contemporary operational environment (COE) given a representative tracked 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, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, 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: Inspect the M88 series vehicle in accordance with the preventive maintenance checks and services (PMCS) table of the applicable TM and record deficiencies on DA Form 2404 or DA Form 5988-E in accordance with DA Pamphlet 750-8. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensure appropriate TM is used.
 - b. Follow steps outlined in appropriate publication.
2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
 - a. Identify appropriate tools in basic issue items (BII).
 - b. Ensure appropriate tools are serviceable.
3. Describe operation of vehicle systems and subsystems.
 - a. Locate appropriate systems and subsystems operations in the TM.
 - b. Read and follow systems and subsystems maintenance operating guidance outlined in TM.
4. Determine readiness of system components.
 - a. Ensure components are at operating temperature.
 - b. Verify equipment operating gauges and instruments.
5. Identify deficiencies and shortcomings.
 - a. Follow steps outlined in TM pertaining to deficiencies.
 - b. Record deficiencies and shortcomings on DA Form 2404 or DA Form 5988-E.
6. Correct shortcomings identified as operator maintenance.
 - a. Take appropriate measures to repair all deficiencies and shortcomings that need to be repaired.
 - b. Notify supervisor if fault is found beyond operator level of maintenance.
7. Follow prescribed safety procedures.
 - a. Follow safety procedures outlined in TM.
 - b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications. a. Ensured appropriate TM was used. b. Followed steps outlined in TM.	—	—
2. Selected and used proper tools and TMDE. a. Identified appropriate tools in BII. b. Ensured appropriate tools were serviceable.	—	—
3. Described operation of vehicle systems and subsystems. a. Located appropriate systems and subsystems operations in the TM. b. Read and followed systems and subsystems maintenance operating guidance in TM.	—	—
4. Determined readiness of system components. a. Ensured components were at operating temperature. b. Verified equipment operating gauges and instruments.	—	—
5. Identified deficiencies and shortcomings. a. Followed steps outlined in the technical manual to pertaining to deficiencies. b. Recorded deficiencies and shortcomings using DA Form 2404 or DA Form 5988-E.	—	—
6. Corrected shortcomings identified as operator maintenance. a. Took appropriate measures to repair all deficiencies and shortcomings that needed to be repaired. b. Notified supervisor if fault was found beyond operator level of maintenance.	—	—
7. Followed prescribed safety procedures. a. Followed safety procedures outlined in TM. b. Followed safety procedures outlined in unit 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

- DA Form 2404
- DA Form 5988-E

Related

- AR 385-10
- AR 750-1

References

Required

DA PAM 750-8
TM 9-2350-256-10
TM 9-2350-256-20-1
TM 9-2350-256-20-2
TM 9-2350-256-24P-1
TM 9-2350-256-24P-2
TM 9-2350-292-10

Related

AR 750-43
TM 9-243
TM 9-8000

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

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, 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: Remove, clean, and store the recovery related components of end item (COEI) and basic issue items (BII) in accordance with the procedures in TM 9-2350-256-10 and TM 9-2350-292-10. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensure appropriate TM is used.
 - b. Follow steps outlined in appropriate publication.
2. Inventory and determine serviceability of BII.
 - a. Identify appropriate tools in BII.
 - b. Inspect BII for serviceability.
3. Repair BII, as required.
 - a. Follow steps outlined in TM pertaining to serviceability of BII.
 - b. Tag and label unserviceable BII for turn-in.
4. Replace BII, as required.
 - a. Follow directions outlined in publication on replacement of BII.
 - b. Ensure appropriate BII has been ordered on applicable forms.
5. Use BII, as required.
 - a. Select appropriate BII pertaining to job.
 - b. Follow procedures in TM.
6. Service BII, as required.
 - a. Refer to TM for servicing data.
 - b. Verify servicing information in TM.
7. Store BII properly.
 - a. Ensure all tools are accounted for.
 - b. Ensure tools are cleaned before storing.
8. Follow prescribed safety procedures.
 - a. Follow safety procedures outlined in TM.
 - b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications. a. Ensured appropriated TM was used. b. Followed steps outlined in appropriate publication.	—	—
2. Inventoried and determined serviceability of BII. a. Identified appropriate tools in BII. b. Inspected BII for serviceability.	—	—
3. Repaired BII, as required. a. Followed steps outlined in TM pertaining to serviceability of BII. b. Tagged and labeled unserviceable BII for turn-in.	—	—
4. Replaced BII, as required. a. Followed directions outlined in publication on replacement of BII. b. Ensured appropriate BII was ordered on applicable forms.	—	—
5. Used BII, as required. a. Selected appropriate BII pertaining to job. b. Followed procedures in TM.	—	—
6. Serviced BII, as required. a. Referred to TM for servicing data. b. Verified servicing information in TM.	—	—
7. Stored BII properly. a. Ensured all tools were accounted for. b. Ensured all tools were cleaned before storing.	—	—
8. Followed prescribed safety procedures. a. Followed safety procedures outlined in TM. b. Followed safety procedures outlined in unit 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

TM 9-2350-256-10
TM 9-2350-256-20-1
TM 9-2350-256-20-2
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 operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, The Army Maintenance Management System (TAMMS) forms, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, 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: Negotiate 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. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensure appropriate TM is used.
 - b. Verify procedures while performing tracked recovery operations.
2. Perform preventive maintenance checks and services (PMCS).
 - a. Identify what TM to use.
 - b. Follow procedures outlined in TM.
 - c. Annotate any deficiencies on appropriate forms.
 - d. Ensure forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.
3. Start engine.
 - a. Ensure vehicle parking brake is engaged.
 - b. Check instrument panel to ensure gauges are operational.
 - c. Follow start up procedures outlined in TM.
4. Place vehicle in motion.
 - a. Disengage parking brake.
 - b. Follow safety procedures outlined in motor pool.
 - c. Ensure ground guides are used, if required.
5. Drive vehicle, maintaining proper engine speed when descending and ascending grades.
 - a. Follow vehicle operating instructions, while maintaining proper engine speed, when descending and ascending grades.
 - b. Verify vehicle operating instructions, while maintaining proper engine speed, when descending and ascending grades.
6. Drive vehicle in reverse.
 - a. Ensure ground guide is used.
 - b. Maintain proper speed while vehicle is in reverse.
7. Stop vehicle.
 - a. Follow safety guidelines outlined in motor pool.
 - b. Carefully bring the vehicle to a stop, while adhering to safe driving habits.
8. Parking vehicle.
 - a. Ensure proper ground guides are used.
 - b. Ensure there is enough clearance from other vehicles.
9. Stop engine (normal and emergency procedures).
 - a. Follow guidelines outlined in TM for proper stopping procedures.
 - b. Ensure parking brake is engaged.

Performance Steps

- c. Ensure vehicle is chock blocked.
 - d. Perform an after-operations PMCS.
10. Complete TAMMS forms, as required.
- a. Annotate any deficiencies on appropriate forms.
 - b. Ensure parts are ordered, if needed.
 - c. Turn forms into Unit Level Logistics System (ULLS) clerk.
11. Follow prescribed safety procedures.
- a. Follow safety procedures outlined in TM.
 - b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	_____	_____
a. Followed procedures outlined within TM.		
b. Verified procedures while performing tracked recovery operations.		
2. Performed preventive maintenance checks and services (PMCS).	_____	_____
a. Identified what TM was used.		
b. Followed procedures outlined within TM.		
c. Annotated any deficiencies on appropriate forms.		
d. Ensured forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.		
3. Started engine.	_____	_____
a. Ensured vehicle parking brake was engaged.		
b. Checked instrument panel to ensure gauges were operational.		
c. Followed start up procedures outlined in TM.		
4. Placed vehicle in motion.	_____	_____
a. Disengaged parking brake.		
b. Followed safety procedures outlined in motor pool.		
c. Ensured ground guide was used, if required.		
5. Drove vehicle, maintaining proper engine speed when descending and ascending grades.	_____	_____
a. Followed vehicle operating instructions, while maintaining proper engine speed, when descending and ascending grades.		

Performance Measures	<u>GO</u>	<u>NO-GO</u>
b. Verified vehicle operating instructions, while maintaining proper engine speed, when descending and ascending grades.	_____	_____
6. Drove vehicle in reverse.	_____	_____
a. Ensured ground guide was used.		
b. Maintained proper speed while vehicle was in reverse.		
7. Stopped vehicle.	_____	_____
a. Followed safety guidelines outlined in motor pool.		
b. Carefully brought vehicle to a stop, while adhering to safe driving habits.		
8. Parked vehicle.	_____	_____
a. Ensured proper ground guides were used.		
b. Ensured there was enough clearance from other vehicles.		
9. Stopped engine (normal and emergency procedures).	_____	_____
a. Followed guidelines outlined in TM for proper stopping procedures.		
b. Ensured parking brake was engaged.		
c. Ensured vehicle was chock blocked.		
d. Performed an after-operations PMCS.		
10. Completed TAMMS forms, as required.	_____	_____
a. Annotated any deficiencies on appropriate forms.		
b. Ensured parts were ordered, if needed.		
c. Turned forms into Unit Level Logistics System (ULLS) clerk.		
11. Followed prescribed safety procedures.	_____	_____
a. Followed safety procedures outlined in TM.		
b. Followed safety procedures outlined in unit standing operating procedure (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	Related
DA PAM 738-751	AR 385-10
DA PAM 750-8	AR 750-1
TM 9-2350-256-10	AR 750-43
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	

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

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Technical Manual (TM) 9-2350-256-10, TM 9-2350-292-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, and other applicable publications.

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

Standards: Operate the Auxiliary Power Unit (APU) and basic issue items (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. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensure appropriate TM is used.
 - b. Follow steps outlined in TM pertaining to APU procedures.
2. Start APU.
 - a. Follow APU start up procedures outlined in TM.
 - b. Operate APU in accordance with applicable specifications.
 - c. Ensure BII is operable without damage to APU.
3. Actuate generator switch to charge batteries.
 - a. Follow procedures outlined in TM.
 - b. Verify procedures while actuated generator switch to charge batteries.
4. Engage hydraulic control levers to start refuel/defuel pump.
 - a. Follow procedures outlined within TM.
 - b. Verify procedures while performing refueling/refueling operations.
5. Connect and operate hydraulic equipment.
 - a. Ensure all steps are followed in accordance with TM.
 - b. Verify connection while operating hydraulic equipment.
6. Shut down APU.
 - a. Ensure shutdown procedures are in accordance with TM.
 - b. Perform preventive maintenance checks and services (PMCS) while applying shutdown procedures.
7. Follow prescribed safety procedures.
 - a. Follow safety procedures outlined in TM.
 - b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	_____	_____
a. Ensured appropriate TM was used.		
b. Followed steps outline in TM pertaining to APU procedures.		
2. Started APU.	_____	_____
a. Followed APU start up procedures outlined within TM.		
b. Operated APU in accordance with applicable specifications.		
c. Ensured BII was operable without damage to APU.		
3. Actuated generator switch to charge batteries.	_____	_____
a. Followed procedures outlined in TM.		
b. Verified procedures while actuated generator switch to charge batteries.		
4. Engaged hydraulic control levers to start refuel/defuel pump.	_____	_____
a. Followed procedures outlined within TM.		
b. Verified procedures while engaging hydraulic control lever to start refuel/defuel operations.		
5. Connected and operated hydraulic equipment.	_____	_____
a. Followed procedures outlined within TM.		
b. Verified connection while operating hydraulic equipment.		
6. Shut down APU.	_____	_____
a. Followed APU shutdown procedures outlined within TM.		
b. Verified procedures while performing APU shutdown task.		
7. Followed prescribed safety procedures.	_____	_____
a. Followed safety procedures outlined in TM.		
b. Followed safety procedures outlined in unit SOP.		

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

References

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

Related

References

Required

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

Related

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

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, and applicable publications including Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, 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: Rig and operate the boom on the M88A1/M88A2 tracked recovery vehicle in accordance with the procedures in TM 9-2350-256-10 or TM 9-2350-292-10. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensure appropriate TM is used.
 - b. Verify procedures while performing Boom, Hoist, and Winch operations.
2. Prepare vehicle for use of hydraulic equipment.
 - a. Ensure appropriate basic issue items (BII) is used.
 - b. Follow procedures outlined in TM.
 - c. Disconnect any lines and fittings connecting equipment.
 - d. Ensure appropriate equipment is hooked up.
3. Operate boom.
 - a. Follow steps outlined in TM.
 - b. Check equipment for any leaks.
4. Operate hoist winch.
 - a. Ensure all connections are hooked up properly.
 - b. Verify procedures while performing hoist and winch operations.
 - c. Check equipment for any leaks.
5. Secure hydraulic equipment, as required.
 - a. Ensure all equipment is properly secured.
 - b. Ensure area is cleaned in accordance with Environmental Protection Agency (EPA) regulations.
6. Follow prescribed safety procedures.
 - a. Follow safety procedures outlined in motor pool.
 - b. Ensure to follow all safety guidance outlined with standing operating procedure (SOP).

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	_____	_____
a. Ensured appropriate TM was used.		
b. Verified procedures while performing Boom, Hoist, and Winch operations.		
2. Prepared vehicle for use of hydraulic equipment.	_____	_____
a. Ensured appropriate BII was used.		
b. Followed procedures outlined within TM.		
c. Disconnected any lines and fittings connecting equipment.		
d. Ensured appropriate equipment is hooked up.		
3. Operated boom.	_____	_____
a. Followed steps outlined in TM.		
b. Checked equipment for any leaks.		
4. Operated hoist winch.	_____	_____
a. Ensured all connections are hooked up properly.		
b. Verified procedures while performing hoist and winch operations.		
c. Checked equipment for any leaks.		
5. Secured hydraulic equipment, as required.	_____	_____
a. Ensured all equipment was properly secured.		
b. Ensured area is cleaned in accordance with EPA regulations.		
6. Followed prescribed safety procedures.	_____	_____
a. Followed safety procedures outlined in motor pool.		
b. Followed safety procedures outlined in unit 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	Related
AR 385-10	
AR 750-1	
AR 750-43	
TM 9-2350-256-10	
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-292-10	

Operate the Spade on a Tracked Recovery Vehicle

091-H8T-2007

Conditions: In a contemporary operational environment (COE) given a representative tracked 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*), Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, 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: Operate the spade in accordance with applicable technical publication procedures and specifications without injury to personnel or damage to equipment. When this task is completed, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensure appropriate TM is used.
 - b. Follow steps identified in TM for job performance.
2. Prepare vehicle for use of hydraulic equipment.
 - a. Follow steps outlined in TM.
 - b. Perform a before-operations preventive maintenance checks and services (PMCS).
3. Operate spade.
 - a. Follow safety precautions outlined in TM.
 - b. Check equipment for leaks.
 - c. Perform an after-operations PMCS.
 - d. Annotate any deficiencies on appropriate DA Form 2404 and DA Form 5988-E, if needed.
4. Secure hydraulic equipment, as required.
 - a. Ensure all attachments and basic issue items (BII) are secured properly.
 - b. Ensure area is cleaned of any Environmental Protection Agency (EPA) violations.
5. Follow prescribed safety procedures.
 - a. Follow safety procedures outlined in TM.
 - b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	—	—
a. Ensured appropriate TM is used.		
b. Followed steps outlined in TM for job performance.		
2. Prepared vehicle for use of hydraulic equipment.	—	—
a. Followed steps outlined in TM.		
b. Performed a before-operations PMCS.		
3. Operated spade.	—	—
a. Followed safety precautions outlined in TM.		
b. Checked equipment for leaks.		
c. Performed an after-operations PMCS.		
d. Annotated any deficiencies on appropriate DA Form 2404 and DA Form 5988-E, if needed.		
4. Secured hydraulic equipment, as required.	—	—
a. Ensured all attachments and BII are secured properly.		
b. Ensured area was cleaned of any EPA violations.		
5. Followed prescribed safety procedures.	—	—
a. Followed safety procedures outlined in TM.		
b. Followed safety procedures outlined in unit SOP.		

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

References

Required

- AR 385-10
- AR 750-1
- AR 750-43
- DA Form 2404
- DA Form 5988-E
- TM 9-2350-256-10
- TM 9-2350-256-20-1
- TM 9-2350-256-20-2
- TM 9-2350-256-24P-1
- TM 9-2350-256-24P-2
- TM 9-2350-292-10

Related

Operate the Winches on a Tracked Recovery Vehicle 091-H8T-2008

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, and required publications including Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, 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: Operate 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. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensure appropriate TM is used.
 - b. Follow procedures outlined in TM for job performance.
2. Prepare vehicle for use of hydraulic equipment.
 - a. Ensure basic issue items (BII) and test, measurement, and diagnostic equipment (TMDE) are available.
 - b. Perform a before-operations preventive maintenance checks and services (PMCS).
3. Operate main winch.
 - a. Follow steps outlined in TM.
 - b. Check equipment for any leaks.
 - c. Annotate any deficiencies on appropriate forms, if needed.
4. Secure hydraulic equipment, as required.
 - a. Ensure all attachments and equipment are cleaned and stored properly.
 - b. Perform an after-operations PMCS.
5. Follow prescribed safety procedures.
 - a. Follow safety procedures outlined in TM.
 - b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	—	—
a. Ensured appropriate TM was used.		
b. Followed procedures outlined in TM for job performance.		
2. Prepared vehicle for use of hydraulic equipment.	—	—
a. Ensured BII and TMDE were available.		
b. Performed a before-operations PMCS.		
3. Operated main winch.	—	—
a. Followed steps outlined in TM.		
b. Checked equipment for any leaks.		
c. Annotated any deficiencies on appropriate forms, if needed.		
4. Secured hydraulic equipment, as required.	—	—
a. Ensured all attachments and equipment were cleaned and stored properly.		
b. Performed an after-operations PMCS.		
5. Followed prescribed safety procedures.	—	—
a. Followed safety procedures outlined in TM.		
b. Followed safety procedures outlined in unit SOP.		

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

References

Required

AR 385-10

AR 750-1

AR 750-43

TM 9-2350-256-10

TM 9-2350-256-20-1

TM 9-2350-256-20-2

TM 9-2350-256-24P-1

TM 9-2350-256-24P-2

TM 9-2350-292-10

Related

Recover a Mired Tracked Vehicle

091-H8T-2009

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, and applicable publications including Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, 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: Accomplish task in accordance with applicable TM's procedures and specifications. All safety precautions were observed. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Identify which TM will be used.
 - b. Followed steps outlined in TM.
2. Determine method of rigging.
 - a. Follow steps outlined in TM.
 - b. Ensure rigging lines are not defected.
3. Attach cable to the mired vehicle.
 - a. Follow safety precautions outlined in TM.
 - b. Ensure all observing personnel are at least one cable length away, opposite angle of pull.
4. Prepare recovery vehicle for recovery operations.
 - a. Ensure parking brake is not engaged.
 - b. Inspect tackle and equipment before recovery operation starts.
5. Establish communications between vehicles.
 - a. Observe ground guide while operating recovery equipment.
 - b. Ensure proper speed limit is followed.
6. Recover mired vehicle ensuring that all safety practices were followed.
 - a. Ensure proper safety equipment is used.
 - b. Ensure proper hand signals are used during recovery.
7. Secure recovery equipment.
 - a. Disconnect and stow rigging equipment.
 - b. Perform after-operations preventive maintenance checks and services (PMCS).
 - c. Annotate any deficiencies on appropriate forms, if needed.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	_____	_____
a. Identified which TM was used.		
b. Followed steps outlined in TM.		
2. Determined method of rigging.	_____	_____
a. Followed steps outlined in TM.		
b. Ensured rigging lines were not defected.		
3. Attached cables to the mired vehicle.	_____	_____
a. Followed safety precautions outlined in TM.		
b. Ensured all observing personnel were at least one cable length away, opposite angle of pull.		
4. Prepared recovery vehicle for recovery operations.	_____	_____
a. Ensured parking brake was not engaged.		
b. Inspected tackle and equipment before recovery operation starts.		
5. Established communications between vehicles.	_____	_____
a. Observed ground guide while operating recovery equipment.		
b. Ensured proper speed limit was followed.		
6. Recovered mired vehicle ensuring that all safety practices were followed.	_____	_____
a. Ensured proper safety equipment was used.		
b. Ensured proper hands signals were used during recovery.		
7. Secured recovery equipment.	_____	_____
a. Disconnected and stowed rigging equipment.		
b. Performed after-operations PMCS.		
c. Annotated any deficiencies on appropriate forms, if needed.		

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

References

Required
 AR 385-10
 AR 750-10
 AR 750-43

Related

References

Required

DA PAM 750-8

TM 9-2350-256-10

TM 9-2350-256-20-1

TM 9-2350-256-20-2

TM 9-2350-256-24P-1

TM 9-2350-256-24P-2

Related

Recover an Overturned Tracked Vehicle
091-H8T-2010

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, and related references.

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

Standards: Recover the vehicle from the overturned position in accordance with applicable technical publications. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensure appropriate TM is used.
 - b. Follow steps outlined in TM.
2. Position recovery vehicle.
 - a. Follow vehicle operating instructions outlined in TM.
 - b. Carefully position recovery vehicle while adhering to safe driving habits.
3. Attach cable to the overturned vehicle.
 - a. Ensure proper safety equipment is used.
 - b. Inspect cable for broken strands or kinks.
 - c. Remove any loops from cable while it is slack.
 - d. Ensure shackles and pins are properly secured.
4. Prepare recover vehicle for recovery operations.
 - a. Ensure recovery vehicle is upright.
 - b. Set up recovery controls.
5. Establish communication with ground guide.
 - a. Use proper hand signals.
 - b. Keep contact with ground guide at all times.
6. Recover overturned vehicle, ensuring that all safety practices are followed.
 - a. Ensure all observing personnel are out of area of projection.
 - b. Follow overturned vehicle operating instructions outlined in TM.
7. Secure recovery equipment.
 - a. Follow procedures outlined in TM.
 - b. Disconnect and stow rigging equipment.
 - c. Perform after-operations preventive maintenance checks and services (PMCS).
 - d. Annotate any deficiencies on appropriate forms, if needed.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	_____	_____
a. Ensured appropriate TM was used.		
b. Followed steps outlined in TM.		
2. Positioned recovery vehicle.	_____	_____
a. Followed vehicle operating instruction outlined in TM.		
b. Carefully positioned recovery vehicle while adhering to safe driving habits.		
3. Attached cables to the overturned vehicle.	_____	_____
a. Ensured proper safety equipment is used.		
b. Inspected cable for broken stands or kinks.		
c. Removed any loops from cable while it is slack.		
d. Ensured shackles and pins are properly secured.		
4. Prepared recovery vehicle for recovery operations.	_____	_____
a. Ensured recovery vehicle is upright.		
b. Set up recovery controls.		
5. Established communications with ground guide.	_____	_____
a. Used proper hand signals.		
b. Kept contact with ground guide at all times.		
6. Recovered overturned vehicle, ensuring that all safety practices were followed.	_____	_____
a. Ensured all observing personnel are out of area of projection.		
b. Followed overturned vehicle operating instructions outlined in TM.		
7. Secured recovery equipment.	_____	_____
a. Followed procedures outlined in TM.		
b. Disconnected and stowed rigging equipment.		
c. Performed after-operations PMCS.		
d. Annotated any deficiencies on appropriate forms, if needed.		

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 9-2350-256-20-1

Related

AR 385-10

AR 750-1

AR 750-10

AR 750-43

Tow a Tracked Vehicle on Improved/Highway Surface
091-H8T-2011

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Field Manual (FM) 5-125, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, and related references.

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

Standards: Lift and tow a disabled vehicle in accordance with applicable technical publications, procedures, and specifications. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensured appropriate TM is used.
 - b. Followed steps outlined in TM.
2. Determine method for towing.
 - a. Follow steps outlined in TM.
 - b. Ensure appropriate basic issue items (BII) and test, measurement, and diagnostic equipment (TMDE) are used.
3. Prepare vehicle for towing.
 - a. Ensure parking brake is disengaged.
 - b. Estimate the situation to determine resistance.
 - c. Compute the total resistance.
4. Hook up vehicle for towing.
 - a. Ensure appropriate hook up devices are used.
 - b. Verify procedures while securing hook attachment to disabled vehicle.
5. Follow prescribed safety procedures.
 - a. Follow safety procedures outlined in TM.
 - b. Ensure safety equipment is used.
6. Establish communication between vehicles.
 - a. Observe ground guide while operating vehicle and equipment.
 - b. Ensure proper speed limit is followed.
7. Tow vehicle to predetermined site.
 - a. Maintain proper speed limit.
 - b. Ensure emergency equipment and tow lights are operable.
8. Disconnect vehicle.
 - a. Ensure parking brake is engaged.
 - b. Disconnect emergency equipment and tow lights.
 - c. Store equipment.
 - d. Conduct after-operations preventive maintenance checks and services (PMCS).
 - e. Annotate any deficiencies on appropriate paperwork, if needed.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	_____	_____
a. Ensured appropriate TM was used.		
b. Followed steps outlined in TM.		
2. Determined method for towing.	_____	_____
a. Followed steps outlined in TM.		
b. Ensured appropriate BII and TMDE were used.		
3. Prepared vehicle for towing.	_____	_____
a. Ensured parking brake was disengaged.		
b. Estimated the situation to determine resistance.		
4. Hooked up vehicle for towing.	_____	_____
a. Ensured appropriate hook up devices were used.		
b. Verified procedures while securing hook attachment to disabled vehicle.		
5. Followed prescribed safety procedures.	_____	_____
a. Followed safety procedures outlined in TM.		
b. Ensured safety equipment was used.		
6. Established communications between vehicles.	_____	_____
a. Observed ground guide while operating vehicle and equipment.		
b. Ensure proper speed limit was followed.		
7. Towed vehicle to predetermined site.	_____	_____
a. Maintained proper speed limit.		
b. Ensured emergency equipment and tow lights were operable.		
8. Disconnected vehicle.	_____	_____
a. Ensured parking brake was engaged.		
b. Disconnected emergency equipment and tow lights.		
c. Stored equipment.		
d. Conducted after-operations PMCS.		
e. Annotated any deficiencies on appropriate paperwork, if needed.		

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

References

Required

FM 5-125
TM 9-2350-256-10
TM 9-2350-256-20-1
TM 9-2350-256-24P-1
TM 9-2350-256-24P-2

Related

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

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

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Field Manual (FM) 5-125, Technical Manual (TM) 9-2350-256-10, and related references.

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

Standards: Tow a disabled vehicle to a predetermined location without causing damage to the equipment or injury to personnel in accordance with applicable publications. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Ensure appropriate TM is used.
 - b. Verify procedures while performing cross country towing of a tracked vehicle.
2. Follow prescribed safety procedures.
 - a. Follow prescribed safety procedures outlined in TM.
 - b. Follow safety guidelines for specified terrain.
3. Position recovery vehicle.
 - a. Ensure ground guide is used.
 - b. Carefully position recovery vehicle while adhering to safe driving habits.
4. Prepare recovery vehicle for towing.
 - a. Ensure parking brake is not engaged.
 - b. Follow vehicle towing operating instructions outlined in TM.
 - c. Use applicable shackles and recovery equipment.
 - d. Estimate the situation and load resistance.
5. Prepare recovery vehicle for towing operation.
 - a. Ensure appropriate hook up devices are used.
 - b. Follow vehicle towing operating instructions outlined in TM.
6. Attach towing bar to disabled vehicle.
 - a. Inspect towing equipment for missing parts.
 - b. Ensure appropriate tow equipment is used.
7. Operate boom.
 - a. Ensure all personnel are out of area of projection.
 - b. Follow vehicle boom operating instructions outlined in TM.
8. Tow disabled vehicle.
 - a. Ensure no objects are under or around vehicle.
 - b. Maintain appropriate speed while towing vehicle.
9. Disconnect towed vehicle.
 - a. Ensure all safety precautions are used when disconnecting tow equipment.
 - b. Ensure parking brake is engaged on vehicle.
 - c. Conduct after-operations preventive maintenance checks and services (PMCS).
 - d. Annotate any deficiencies on appropriate paperwork, if needed.

Performance Steps

10. Secure recovery equipment.
 - a. Store all recovery equipment in appropriate basic issue items (BII) storage.
 - b. Ensure all equipment is cleaned before storing.
 - c. Ensure all recovery equipment is accounted for.

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications. <ol style="list-style-type: none"> a. Ensured appropriate TM was used. b. Verified procedures while performing cross country towing of a tracked vehicle. 	—	—
2. Followed prescribed safety procedures. <ol style="list-style-type: none"> a. Followed prescribed safety procedures outlined in TM. b. Followed safety guidelines for specific terrain. 	—	—
3. Positioned recovery vehicle. <ol style="list-style-type: none"> a. Ensure ground guide was used. b. Carefully positioned recovery vehicle while adhering to safe driving habits. 	—	—
4. Prepared vehicle for towing. <ol style="list-style-type: none"> a. Ensured parking brake was not engaged. b. Followed vehicle towing operating instructions outlined in TM. c. Used applicable shackles and recovery equipment. d. Estimated the situation and load resistance. 	—	—
5. Prepared recovery vehicle for towing operation. <ol style="list-style-type: none"> a. Ensured appropriate hook up devices were used. b. Followed vehicle towing operating instructions outlined in TM. 	—	—
6. Attached towing bar to disabled vehicle. <ol style="list-style-type: none"> a. Inspected towing equipment for missing parts. b. Ensured appropriate tow equipment was used. 	—	—
7. Operated boom. <ol style="list-style-type: none"> a. Ensured all personnel were out of area of projection. b. Followed vehicle boom operating instructions outlined in TM. 	—	—

Performance Measures	<u>GO</u>	<u>NO-GO</u>
8. Towed disabled vehicle.	_____	_____
a. Ensured no objects were under or around vehicle.		
b. Maintained appropriate speed while towing vehicle.		
9. Disconnected towed vehicle.	_____	_____
a. Ensured all safety precautions were used when disconnecting tow equipment.		
b. Ensured parking brake was engaged on vehicle.		
c. Conducted after-operations PMCS.		
d. Annotated any deficiencies on appropriate paperwork, if needed.		
10. Secured recovery equipment.	_____	_____
a. Stored all equipment in appropriate BII storage.		
b. Ensured all equipment was cleaned before storing.		
c. Ensured all recovery equipment was accounted for.		

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

References

Required

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

Related

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

Complete Field Expedient Recovery on a Tracked Vehicle
091-H8T-2013

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, and related references.

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

Standards: Recover the vehicle using self/field expedient procedures in accordance with applicable technical publications. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
 - a. Identify which TM is used.
 - b. Follow steps outlined in TM.
2. Determine method of field expedient recovery.
 - a. Diagnose vehicle malfunction to determine action to be performed.
 - b. Verify proper tools are available to perform action.
3. Prepare vehicle for field expedient recovery, as required.
 - a. Ensure all safety precautions are used.
 - b. Verify procedures while preparing vehicle for field expedient recovery.
4. Perform vehicle field expedient recovery.
 - a. Obtain proper resistance.
 - b. Check all rigging equipment.
 - c. Coordinate with maintenance support team (MST) to provide technical assistance.
 - d. Ensure all maintenance forms are filled out.
5. Secure recovery equipment.
 - a. Disconnect recovery equipment.
 - b. Verify procedures while securing recovery equipment.
 - c. Ensure all recovery equipment is accounted for.
6. Follow prescribed safety procedures.
 - a. Follow all safety procedures outlined in TM.
 - b. Follow all safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation:

WARNING

The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	_____	_____
a. Identified which TM was used.		
b. Followed steps outlined in TM.		
2. Determined method of field expedient recovery.	_____	_____
a. Diagnosed vehicle malfunction to determine action to be performed.		
b. Verified proper tools were available to perform action.		
3. Prepared vehicle for field expedient recovery, as required.	_____	_____
a. Ensured all safety precautions were used.		
b. Verified procedures while preparing vehicle for field expedient recovery.		
4. Performed vehicle field expedient recovery.	_____	_____
a. Obtained proper resistance.		
b. Checked all rigging equipment.		
c. Coordinated with MST to provide technical assistance.		
d. Ensured all maintenance forms were filled out.		
5. Secured recovery equipment.	_____	_____
a. Disconnect recovery equipment.		
b. Verified procedures while securing recovery equipment.		
c. Ensured all recovery equipment was accounted for.		
6. Followed prescribed safety procedures.	_____	_____
a. Followed all safety precautions outlined in TM.		
b. Followed all safety procedures outlined in unit 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

TM 9-2350-256-10
 TM 9-2350-256-20-1

Related

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

Subject Area 4: BRADLEY A3 TASKS (ASI B9 ONLY)

Maintain Power Management and Distribution Subsystem (PMDS)

091-AB9-0006

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer, TM 9-2350-294-23-2-1, TM 9-2350-294-23-2-2, TM 9-2350-294-23-2-3, and applicable references.

Standards: Maintain Power Management and Distribution Subsystem (PMDS) in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect system components for loose connectors and cables.
5. Troubleshoot the PMDS.
6. Diagnose the PMDS.
7. Replace defective component(s).
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	—	—
2. Selected/used proper tools/TMDE.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Inspected system components for loose connectors and cables.	—	—
5. Troubleshoot the PMDS.	—	—
6. Diagnosed the PMDS.	—	—
7. Replaced defective component(s).	—	—
8. Verified fault has been corrected.	—	—
9. Completed TAMMS forms, as required.	—	—
10. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

Maintain Turret Drive Subsystem (TDS)

091-AB9-0008

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer, TM 9-2350-294-23-2-1, TM 9-2350-294-23-2-2, TM 9-2350-294-23-2-3, and applicable references.

Standards: Maintain the turret drive subsystem (TDS) in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect system components for loose connectors and cables.
5. Troubleshoot the TDS.
6. Diagnose the TDS.
7. Replace defective component(s).
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	—	—
2. Selected/used proper tools/TMDE.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Inspected system components for loose connectors and cables.	—	—
5. Troubleshoot the TDS.	—	—
6. Diagnosed the TDS.	—	—
7. Replaced defective component(s).	—	—
8. Verified fault has been corrected.	—	—
9. Completed TAMMS forms, as required.	—	—
10. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

Maintain Position Sensor Subsystem (PSS)

091-AB9-0009

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer, TM 9-2350-294-23-2-1, TM 9-2350-294-23-2-2, TM 9-2350-294-23-2-3, and applicable references.

Standards: Maintain the position sensor subsystem (PSS) in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable references.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect system components for loose connectors and cables.
5. Troubleshoot the PSS.
6. Diagnose the PSS.
7. Replace defective component(s).
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable references.	—	—
2. Selected/used proper tools/TMDE.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Inspected system components for loose connectors and cables.	—	—
5. Troubleshoot the PSS.	—	—
6. Diagnosed the PSS.	—	—
7. Replaced defective component(s).	—	—
8. Verified fault has been corrected.	—	—
9. Completed TAMMS forms, as required.	—	—
10. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

**Maintain Improved Bradley Acquisition Subsystem (IBAS)
091-AB9-0010**

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer, TM 9-2350-294-23-2-1, TM 9-2350-294-23-2-2, TM 9-2350-294-23-2-3, and applicable references.

Standards: Maintain the Improved Bradley Acquisition Subsystem (IBAS) in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect system components for loose connectors and cables.
5. Troubleshoot IBAS.
6. Diagnose IBAS.
7. Replace defective component(s).
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	___	___
2. Selected/used proper tools/TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected system components for loose connectors and cables.	___	___
5. Troubleshoot IBAS.	___	___
6. Diagnosed IBAS.	___	___
7. Replaced defective component(s).	___	___
8. Verified fault has been corrected.	___	___
9. Completed TAMMS forms, as required.	___	___
10. Maintained tools, equipment, and TMDE.	___	___

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

References

Required

TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

**Maintain Commander's Independent Viewer (CIV) Subsystem
091-AB9-0011**

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer, tools, TMDE and applicable references.

Standards: Maintain the commander's independent viewer (CIV) subsystem in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect CIV for loose connectors or cables.
5. Troubleshoot CIV.
6. Diagnose CIV.
7. Replace defective component(s).
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	___	___
2. Selected/used proper tools/TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected CIV for loose connectors or cables.	___	___
5. Troubleshoot CIV.	___	___
6. Diagnosed CIV.	___	___
7. Replaced defective component(s).	___	___
8. Verified fault has been corrected.	___	___
9. Completed TAMMS forms, as required.	___	___
10. Maintained tools, equipment, and TMDE.	___	___

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

References

Required

TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

**Maintain Fire Control Subsystem (FCS)
091-AB9-0012**

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer and applicable references.

Standards: Maintain the fire control subsystem in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect system components for loose connectors and cables.
5. Troubleshoot the fire control subsystem.
6. Diagnose the fire control subsystem. Replace defective component(s).
7. Replace defective component(s).
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	___	___
2. Selected/used proper tools/TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected system components for loose connectors and cables.	___	___
5. Troubleshoot the fire control subsystem.	___	___
6. Diagnosed the fire control subsystem.	___	___
7. Replaced defective component(s).	___	___
8. Verified fault has been corrected.	___	___
9. Completed TAMMS forms, as required.	___	___
10. Maintained tools, equipment, and TMDE.	___	___

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

References

Required

TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

**Perform Fault Isolation Test (FIT) Using Vehicle Diagnostic Maintenance Software (VDMS)
091-AB9-0014**

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer and applicable references.

Standards: Perform fault isolation test using vehicle diagnostic maintenance software in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable references.
2. Select/use proper tools/ test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Prepare vehicle for FIT.
5. Perform FIT.
6. Record findings of FIT.
7. Replace defective component.
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable references.	___	___
2. Select/use proper tools/ test, measurement, and diagnostic equipment (TMDE).	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Prepared vehicle for FIT.	___	___
5. Performed FIT.	___	___
6. Recorded findings of FIT.	___	___
7. Replaced defective component.	___	___
8. Verified fault has been corrected.	___	___
9. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

- TM 9-2350-294-23-1-1
- TM 9-2350-294-23-1-2
- TM 9-2350-294-23-1-3
- TM 9-2350-294-23-1-4

Related

- TM 9-2350-294-10-1
- TM 9-2350-294-10-2-1
- TM 9-2350-294-10-2-2

References

Required

TM 9-2350-294-23-1-5

TM 9-2350-294-23-2-1

TM 9-2350-294-23-2-2

TM 9-2350-294-23-2-3

Related

**Maintain Turret Cooling Fan Components
091-AB9-0015**

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer and applicable references.

Standards: Maintain turret cooling fan components in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools.
3. Practice shop safety and maintenance discipline.
4. Inspect system components for loose connectors and cables.
5. Troubleshoot turret cooling fan.
6. Diagnose turret cooling fan.
7. Replace defective turret cooling fan component.
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	___	___
2. Selected/used proper tools.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected system components for loose connectors and cables.	___	___
5. Troubleshoot turret cooling fan.	___	___
6. Diagnosed turret cooling fan.	___	___
7. Replaced defective turret cooling fan component.	___	___
8. Verified fault has been corrected.	___	___
9. Completed TAMMS forms, as required.	___	___
10. Maintained tools, equipment, and TMDE.	___	___

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

References

Required

TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

**Operate the Chassis Modernization Embedded Diagnostic (CMED) Software
091-AB9-0016**

Conditions: In a contemporary operational environment (COE) given a chassis modernization embedded diagnostic (CMED) software, M2/M3A3 series vehicle or a M2/M3A3 series turret trainer and applicable references.

Standards: Performed operational procedures of the chassis modernization embedded diagnostic (CMED) software in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Locate and identify major components.
5. Perform power up procedures of chassis modernization embedded diagnostic (CMED) software.
6. Perform shut-down procedures of the chassis modernization embedded diagnostic (CMED) software.
7. Complete TAMMS forms, as required.
8. Maintain tools, equipment and TMDE.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	—	—
2. Selected/used proper tools/TMDE.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Located and identified major components.	—	—
5. Performed power up procedures of chassis modernization embedded diagnostic (CMED) software.	—	—
6. Performed shut-down procedures of the chassis modernization embedded diagnostic (CMED) software.	—	—
7. Completed TAMMS forms, as required.	—	—
8. Maintained tools, equipment and TMDE.	—	—

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

References

Required

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2
TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

**Perform Fault Isolation Using Chassis Modernization Embedded Diagnostic (CMED) Software
091-AB9-0017**

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer, chassis modernization embedded diagnostic (CMED) software and applicable references.

Standards: Perform fault Isolation using CMED software in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable references.
2. Select/use proper tools/TMDE.
3. Describe how systems/components operate and function.
4. Locate and identify major components.
5. Perform power-up procedures of the Bradley Automated Diagnostic System.
6. Log on the Bradley Automated Diagnostic System.
7. Perform fault isolation using CMED software.
8. Navigate through the on-board computer system.
9. Perform shut-down procedures.
10. Complete TAMMS forms, as required.
11. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable references.	___	___
2. Selected/used proper tools/TMDE.	___	___
3. Described how systems/components operate and function.	___	___
4. Located and identified major components.	___	___
5. Performed power-up procedures of the Bradley Automated Diagnostic System.	___	___
6. Logged on the Bradley Automated Diagnostic System.	___	___
7. Performed fault isolation using CMED software.	___	___
8. Navigated through the on-board computer system.	___	___
9. Performed shut-down procedures.	___	___
10. Completed TAMMS forms, as required.	___	___
11. Maintained tools, equipment, and TMDE.	___	___

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

References

Required

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2
TM 9-2350-294-23-1-1
TM 9-2350-294-23-1-2
TM 9-2350-294-23-1-3
TM 9-2350-294-23-1-4
TM 9-2350-294-23-1-5
TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

**Operation of Commander's Tactical Display (CTD)
091-AB9-0018**

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer and applicable references.

Standards: Operate the commander's tactical display (CTD) in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect system components for loose connectors and cables.
5. Troubleshoot CTD.
6. Diagnose CTD.
7. Replace defective component(s).
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	___	___
2. Selected/used proper tools/TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected system components for loose connectors and cables.	___	___
5. Troubleshoot CTD.	___	___
6. Diagnosed CTD.	___	___
7. Replaced defective component(s).	___	___
8. Verified fault has been corrected.	___	___
9. Completed TAMMS forms, as required.	___	___
10. Maintained tools, equipment, and TMDE.	___	___

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

References

Required

TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

**Familiarization of Vehicle Diagnostic Maintenance Software (VDMS)
091-AB9-0019**

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer and applicable references.

Standards: Correct the malfunction of the turret system using Vehicle Diagnostic Maintenance Software (VDMS) in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect system components for loose connectors and cables.
5. Troubleshoot turret malfunctions using the VDMS.
6. Diagnose turret malfunctions using the VDMS.
7. Replace defective component(s).
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	___	___
2. Selected/used proper tools/TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected system components for loose connectors and cables.	___	___
5. Troubleshoot turret malfunctions using the VDMS.	___	___
6. Diagnosed turret malfunctions using the VDMS.	___	___
7. Replaced defective component(s).	___	___
8. Verified fault has been corrected.	___	___
9. Completed TAMMS forms, as required.	___	___
10. Maintained tools, equipment and TMDE.	___	___

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

References

Required

TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

Familiarization of Vehicle 1553 Data Bus System
091-AB9-0020

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer, tools, TMDE and applicable references.

Standards: Correct the malfunction of the vehicle 1553 data bus system in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect system components for loose connectors and cables.
5. Troubleshoot vehicle 1553 data bus using the Bradley Automated diagnostic system.
6. Diagnose vehicle 1553 data bus using the Bradley Automated diagnostic system.
7. Replace defective component(s).
8. Verify fault has been corrected.
9. Complete TAMMS forms, as required.
10. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	___	___
2. Selected/used proper tools/TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected system components for loose connectors and cables.	___	___
5. Troubleshoot vehicle 1553 data bus using the Bradley Automated diagnostic system.	___	___
6. Diagnosed vehicle 1553 data bus using the Bradley Automated diagnostic system.	___	___
7. Replaced defective component(s).	___	___
8. Verified fault has been corrected.	___	___
9. Completed TAMMS forms, as required.	___	___
10. Maintained tools, equipment, and TMDE.	___	___

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

References

Required

TM 9-2350-294-23-1-1
TM 9-2350-294-23-1-2
TM 9-2350-294-23-1-3
TM 9-2350-294-23-1-4
TM 9-2350-294-23-1-5
TM 9-2350-294-23-2-1
TM 9-2350-294-23-2-2
TM 9-2350-294-23-2-3

Related

TM 9-2350-294-10-1
TM 9-2350-294-10-2-1
TM 9-2350-294-10-2-2

**Update Vehicle Software on the M2/M3 System
091-AB9-0021**

Conditions: In a contemporary operational environment (COE) given a M2/M3A3 series vehicle or a M2/M3A3 series turret trainer and applicable references.

Standards: Perform operational procedures using vehicle software in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 1/2 personnel will be identified.

Performance Steps

1. Select/use applicable publications.
2. Select/use proper tools/TMDE.
3. Practice shop safety and maintenance discipline.
4. Locate and identify major components.
5. Inspect system components for loose connectors and cables.
6. Perform initial equipment set up procedures.
7. Perform all procedural steps using vehicle software in accordance with references.
8. Complete TAMMS forms, as required.
9. Maintain tools, equipment, and TMDE.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected/used applicable publications.	—	—
2. Selected/used proper tools/TMDE.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Located and identified major components.	—	—
5. Inspected system components for loose connectors and cables.	—	—
6. Performed initial equipment set up procedures.	—	—
7. Performed all procedural steps using vehicle software in accordance with references.	—	—
8. Completed TAMMS forms, as required.	—	—
9. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- TM 9-2350-294-23-1-1
- TM 9-2350-294-23-1-2
- TM 9-2350-294-23-1-3
- TM 9-2350-294-23-1-4

Related

- TM 9-2350-294-10-1
- TM 9-2350-294-10-2-1
- TM 9-2350-294-10-2-2

References

Required

TM 9-2350-294-23-1-5

TM 9-2350-294-23-2-1

TM 9-2350-294-23-2-2

TM 9-2350-294-23-2-3

Related

Skill Level 3

Subject Area 5: COMMON LOGISTIC TASKS

Manage a Maintenance Facility Safety Program

091-CLT-3001

Conditions: In a contemporary operational environment (COE) given Army regulation (AR) 190-13, AR 220-1, AR 385-10, AR 700-138, AR 750-1, Department of the Army (DA) Pamphlet 750-8, Field Manual (FM) 4-30.3, Technical Bulletin, TB 43-0142, and TB 43-180, a maintenance site/facility, and maintenance personnel.

Standards: Ensure 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 Steps

1. Ensure all safety references were on hand.
2. Establish and document goals and requirements for a successful shop safety and accident prevention program.
3. Brief and regularly update subordinates on shop safety program.
4. Conduct initial safety inspections.
5. Ensure initial safety concerns and violations were corrected.
6. Conduct scheduled and unscheduled safety inspections.
7. Document safety violations, report the violations as required, and conduct follow-up inspections to ensure violations were corrected.
8. Keep necessary records of safety inspections and accident reports.
9. Ensure material safety data sheets (MSDS) are prepared and maintained as required in applicable work areas.

Evaluation Preparation: None

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.	—	—

Performance Measures

GO **NO-GO**

9. Ensured Material Safety Data Sheets (MSDSs) were prepared and maintained as required in applicable work areas. — —

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

References

Required

- AR 190-13
- AR 220-1
- AR 385-10
- AR 700-138
- AR 750-1
- DA PAM 750-8
- FM 4-30.3
- TB 43-0142
- TB 43-180

Related

Establish a Maintenance Facility Publications/Electronic Technical Manual Library
091-CLT-3002

Conditions: In a contemporary operational environment (COE) given publications, electronic technical manuals (ETMs)/interactive electronic technical manuals (IETMs), computer with access to the World Wide Web, storage location, local and higher headquarters publications indexes and publications procedures, standing operating procedure (SOP), and applicable forms and references.

Standards: Ensure required publications, ETMs/IETMs 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 Steps

1. Determine all publications required by the maintenance shop or section.
2. Review and update publications library SOP as needed.
3. Ensure that technical publications on hand or on order were the most current in accordance with DA Pamphlet (PAM) 25-30.
4. Ensure that doctrinal, training, and organizational publications on hand or on order were the most current in accordance with DA PAM 25-30 and local listings.
5. Ensure that administrative publications on hand or on order were the most current in accordance with DA PAM 25-30.
6. Ensure that local and higher headquarters publications on hand or on order were the most current in accordance with DA PAM 25-30 and local listings.
7. Prepare DA Form 4569-1-R (*Security Assistance Publication Requisition Code Sheet (LRA)*) in accordance with DA PAM 25-33.
8. Prepare the required transmittal form in accordance with DA PAM 25-33.
9. Prepare DA Form 17 (*Requisition for Publications and Blank Forms*) and DA Form 17-1 (*Requisition for Publications and Blank Forms (Continuation Sheet)*) to request local and higher headquarters publications in accordance with DA PAM 25-33 and local or higher headquarters publications requisitioning procedures.
10. Ensure that published changes were posted to applicable publications in accordance with DA PAM 25-40 and publications change instructions.
11. Remove obsolete, rescinded, or superseded publications from library in accordance with DA PAM 25-40 and publications change instructions.
12. Arrange publications in proper order and in a suitable location in accordance with DA PAM 25-40.
13. Label binders used for storing library publications in accordance with AR 25-400-2 and DA PAM 25-40.
14. Notify personnel to return loaned publications to the library in a timely manner in accordance with publications library SOP.
15. Update 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.

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

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

References

Required	Related
AR 25-1	
AR 25-400-2	
DA Form 17	
DA Form 17-1	
DA Form 4569-1-R	
DA PAM 25-30	
DA PAM 25-33	
DA PAM 25-40	

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

Conditions: In a contemporary operational environment (COE) given a maintenance site, maintenance personnel, applicable equipment, maintenance shop/section standing operating procedure (SOP), Field Manual (FM) 4-30.3, and applicable references.

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

Performance Steps

1. Ensure SOP and required reference were available.
2. Identify commander's maintenance requirements for accomplishing the unit mission.
3. Set up the maintenance facility in accordance with SOP.

Evaluation Preparation: None

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

**Prepare a Maintenance Facility Standing Operating Procedure
091-CLT-3004**

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, higher headquarters standing operating procedure (SOP), and commander's guidance.

Standards: Prepare 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 Steps

1. Ensure applicable publications were available.
2. Ensure unit policies and commander's guidance were followed.
3. Ensure shop operation policies were adequately addressed.
4. Update the shop SOP, as required.

Evaluation Preparation: None

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 operational environment (COE) given Army regulation (AR) 190-13, AR 220-1, AR 385-10, AR 700-138, AR 750-1, DA Form 2062 (*Hand Receipt/Annex Number*), DA Pamphlet (PAM) 710-2-1, DA PAM 750-8, Field Manual (FM) 1-02, FM 4-30.3, applicable supply catalog(s), applicable references, and hand receipt forms.

Standards: Manage tool control procedures in accordance with applicable references.

Performance Steps

1. Ensure applicable references were available.
2. Establish policies and procedures for the control of tools.
3. Ensure all DA Form 2062s were properly filled out and updated.
4. Ensure tools and equipment were inventoried in accordance with applicable references.
5. Ensure tool shortages were annotated on a shortage annex.
6. Ensure subordinates applied property accountability procedures.

Evaluation Preparation: None

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

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

References

Required	Related
AR 190-13	
AR 220-1	
AR 385-10	
AR 700-138	
AR 750-1	
DA Form 2062	
DA PAM 710-2-1	
DA PAM 750-8	
FM 1-02	
FM 4-30.3	

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

Conditions: In a contemporary operational environment (COE) given Army regulation (AR) 190-13, AR 190-51, keys, key control rosters, key boxes/cabinets, and applicable publications.

Standards: Manage key control procedures in accordance with applicable references.

Performance Steps

1. Ensure necessary publications were available.
2. Establish key control policies and procedures.
3. Establish key control access rosters.
4. Ensure personnel were aware of their responsibilities for the security and accountability of keys.
5. Ensure key control access rosters were properly maintained and adhered to.

Evaluation Preparation: None

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 operational environment (COE) given Army regulation (AR) 750-43, Technical Bulletin (TB) 43-180, test, measurement, and diagnostic equipment (TMDE), maintenance personnel, and applicable references.

Standards: Manage the TMDE calibration program in accordance with applicable references.

Performance Steps

1. Ensure necessary publications were available.
2. Review and update TMDE computer printout list.
3. Ensure preventive maintenance checks and services (PMCS) and inventory of all TMDE and auxiliary equipment are conducted, as required.
4. Ensure TMDE is turned in for calibration in accordance with computer printouts.

Evaluation Preparation: None

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

Supervise Maintenance Operations
091-CLT-3009

Conditions: In a contemporary operational environment (COE) given maintenance personnel, equipment, maintenance facility/site, Army regulation (AR) AR 385-10, AR 600-55, AR 700-4, AR 700-138, AR 710-2, AR 725-50, AR 735-5, AR 750-1, AR 750-43, Department of the Army (DA) Pamphlet (PAM) 25-30, DA PAM 710-2-1, DA PAM 710-2-2, DA PAM 750-1, DA PAM 750-3, DA PAM 750-8, Field Manual (FM) 4-30.3, standing operating procedures (SOPs), and applicable references.

Standards: Establish and maintain an effective maintenance shop operation in accordance with SOP and applicable references.

Performance Steps

1. Ensure unit maintenance procedures are in accordance with AR 750-1, DA PAM 750-3, and local and major Army command (MACOM) policies.
 - a. Review unit SOPs for maintenance.
 - b. Inform unit personnel of changes in policy and new policy that impacts unit SOP.
2. Provide technical assistance to unit maintenance activities.
 - a. Inspect unit maintenance operations.
 - b. Identify shortcomings.
 - c. Make recommendations for corrective actions.
 - d. Provide training in maintenance procedures.
 - e. Provide training and technical assistance as needed for operations under extreme heat (up to 125 degrees Fahrenheit [F]).
 - (1) Cooling systems. Check coolant level daily. Maintain coolant levels approximately two inches below the radiator overflow pipe if so equipped. Check radiator air passages for obstructions frequently. Check fan belt for proper tension. Check coolant temperature indicators frequently for any indication of overheating.
 - (2) Lubrication. Make sure that lubricants used are as specified for the prevailing ambient temperature in the current lubrication order.
 - (3) Fuel system. When filling the fuel tanks, allow sufficient space for fuel expansion.
 - (4) Batteries. Check electrolyte level frequently. Add distilled water as required to compensate for evaporation.
 - (5) Engine. Kept the external surface of the engine as clean as possible.
 - f. Provide training and technical assistance as needed for operations in dusty or sandy areas.
 - (1) General. If possible, provide shelter for the equipment. Use available natural barriers to shield the equipment from blowing dust or sand.
 - (2) Cleaning. Wipe dust and sand from the equipment frequently. When possible, thoroughly washed down with clean water.
 - (3) Engine. Shorten the service interval for the engine air cleaner and oil filter to compensate for intake of additional dust or dirt. Kept external surface of engine as clean as possible.
 - (4) Fuel systems. Drain sediment from fuel tanks, fuel strainers, and fuel filters frequently. Was particularly careful to prevent dust or dirt from entering the fuel tank/fuel system. Shorten the service intervals for the fuel filters appropriately.
 - (5) Lubrication. Lubrication intervals must be shortened appropriately. Use particular care to keep lubricants from becoming contaminated with dust or dirt.
3. Provide maintenance management to units.
 - a. Review reports (Materiel Condition Status Report [MCSR] and (Unit Level Logistics System-Ground [ULLS-G]).
 - b. Coordinate with higher-level maintenance activities.
 - c. Direct cross-leveling of maintenance assets/workloads.
 - d. Prioritize maintenance efforts of units.

Evaluation Preparation: None

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Ensured unit maintenance procedures are in accordance with AR 750-1, DA PAM 750-3, and local and major Army command (MACOM) policies. <ul style="list-style-type: none"> a. Reviewed unit SOPs for maintenance. b. Informed unit personnel of changes in policy and new policy that impacts unit SOP. 	—	—
2. Provided technical assistance to unit maintenance activities. <ul style="list-style-type: none"> a. Inspected unit maintenance operations. b. Identified shortcomings. c. Made recommendations for corrective actions. d. Provided training in maintenance procedures. e. Provided training and technical assistance as needed for operations under extreme heat (up to 125 degrees Fahrenheit [F]). <ul style="list-style-type: none"> (1) Cooled systems. Check coolant level daily. Maintain coolant levels approximately two inches below the radiator overflow pipe if so equipped. Check radiator air passages for obstructions frequently. Check fan belt for proper tension. Check coolant temperature indicators frequently for any indication of overheating. (2) Lubricated. Made sure that lubricants used are as specified for the prevailing ambient temperature in the current lubrication order. (3) Fueled system. When filling the fuel tanks, allow sufficient space for fuel expansion. (4) Batteries. Checked electrolyte level frequently. Add distilled water as required to compensate for evaporation. (5) Engine. Kept the external surface of the engine as clean as possible. f. Provided training and technical assistance as needed for operations in dusty or sandy areas. <ul style="list-style-type: none"> (1) General. If possible, provide shelter for the equipment. Use available natural barriers to shield the equipment from blowing dust or sand. (2) Cleaned. Wiped dust and sand from the equipment frequently. When possible, thoroughly washed down with clean water. (3) Engine. Shorten the service interval for the engine air cleaner and oil filter to compensate for intake of additional dust or dirt. Kept external surface of engine as clean as possible. (4) Fueled systems. Drain sediment from fuel tanks, fuel strainers, and fuel filters frequently. Was particularly careful to prevent dust or dirt from entering the fuel tank/fuel system. Shorten the service intervals for the fuel filters appropriately. (5) Lubrication. Lubricated intervals must be shortened appropriately. Use particular care to keep lubricants from becoming contaminated with dust or dirt. 	—	—
3. Provided maintenance management to units. <ul style="list-style-type: none"> a. Reviewed reports (Materiel Condition Status Report [MCSR]). b. Coordinated with higher-level maintenance activities. c. Directed cross-leveling of maintenance assets/workloads. d. Prioritize maintenance efforts of 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

AR 385-10
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 710-2-2
DA PAM 750-1
DA PAM 750-3
FM 4-30.3

Related

**Manage Maintenance Information Systems Reports
091-CLT-3012**

Conditions: While stationed in Iraq, your Brigade is given the new Standard Army Maintenance System-1E (SAMS-1E) systems. As the shop foreman for your company, you must identify the Objectives, Functions, and Management Tools of the SAMS-1E. In a contemporary operational environment (COE) given a computer system or systems with Standard Army Maintenance System-Level 1 Enhanced (SAMS-1E) software, database of equipment files, SAMS-1E operator, Automated Information Systems Manual (AISM)-25-L21-AHN-ZZZ-EM, AISM-25-L26-AHO-ZZZ-EM, DA Form 2407 (*Maintenance Request*), DA Pamphlet (PAM) 750-8, and applicable references.

Standards: Supervise SAMS-1E functions of a field level maintenance shop in accordance with applicable references.

Performance Steps

1. Ensure necessary equipment and publications were available.
2. Ensure SAMS-1E operator was adequately trained.
3. Review the SAMS-1E system and the flow of information to and from system interfaces.
4. Review the purpose and use of SAMS-1E categories and codes.
5. Supervise the processing of maintenance requests (DA Form 2407).
6. Interpret SAMS-1E report to identify maintenance trends and problems.
7. Request and interpret ad hoc reports, as necessary.

Evaluation Preparation: None

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Accessed the SAMS-1E system.	—	—
3. Reviewed the SAMS-1E system and the flow of information to and from system interfaces.	—	—
4. Reviewed the purpose and use of SAMS-1E categories and codes.	—	—
5. Supervised the processing of maintenance requests (DA Form 2407).	—	—
6. Interpreted SAMS-1E report 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	Related
AISM-25-L26-AHO-ZZZ-EM	
DA Form 2407	
DA PAM 750-8	

Subject Area 6: TECHNICAL TASKS (SKILL LEVEL 3)

**Perform Diagnostic Procedures of the Traversing System on the M2/M3 BFV
091-91M-3004**

Conditions: In a contemporary operational environment (COE) with minimum supervision given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools, and test equipment.

Standards: Perform diagnostic procedures of the traversing system and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Review work request.
2. Select and use applicable technical publications.
3. Select and use applicable tools and TMDE.
4. Perform initial inspect of the traversing system/components.
5. Diagnose the M2/M3 traversing system/components using TMDE and determine maintenance action to be performed.
6. Repair/replace defective parts/components.
7. Perform a final operational test to verify that the traversing system malfunctions is corrected to specification.
8. Ensure all safety precautions are followed.
9. Ensure the task is performed to acceptable standards.
10. Ensure maintenance forms are completed, as required.
11. Ensure tools and equipment are properly maintained.

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. Performed initial inspect of the traversing system/components.	—	—
5. Diagnosed the M2/M3 traversing system/components using TMDE and determined maintenance action to be performed.	—	—
6. Repaired/replaced defective parts/components.	—	—
7. Performed a final operational test to verify that the traversing system malfunctions is corrected to specification.	—	—
8. Ensured all safety precautions are followed.	—	—

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
9. Ensured the task is performed to acceptable standards.	—	—
10. Ensured maintenance forms are completed, as required.	—	—
11. Ensured tools and equipment are 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-284-10-1	
TM 9-2350-284-20-2-1	
TM 9-2350-284-20-2-2	
TM 9-2350-284-20-2-3	

**Perform Diagnostic Procedures of the Elevation System on the M2/M3 BFV
091-91M-3005**

Conditions: In a contemporary operational environment (COE) with minimum supervision given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools, and test equipment.

Standards: Perform diagnostic procedures of the elevation system and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level [SL].) When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Review the work request.
2. Ensure proper tools are available to perform this task.
3. Ensure applicable publications are available.
4. Ensure all safety precautions are followed.
5. Perform an initial inspection.
6. Determine the required maintenance action.
7. Diagnose elevation system fault(s), and determine maintenance action to be performed.
8. Repair/replace defective parts/components.
9. Perform a final inspection.
10. Ensure tools and equipment are properly maintained.
11. Ensure all applicable maintenance forms are filled out correct.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed the work request.	—	—
2. Ensured proper tools are available to perform this task.	—	—
3. Ensured applicable publications are available.	—	—
4. Ensured all safety precautions are followed.	—	—
5. Performed an initial inspection.	—	—
6. Determined the required maintenance action.	—	—
7. Diagnosed elevation system fault(s), and determined maintenance action to be performed.	—	—
8. Repaired/replaced defective parts/components.	—	—
9. Performed a final inspection.	—	—
10. Ensured tools and equipment are properly maintained.	—	—
11. Ensured all applicable maintenance forms are filled out correct.	—	—

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

References**Required**

TM 9-2350-284-10-1
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

**Perform Diagnostic Procedures of the Stabilization System on the M2/M3 BFV
091-91M-3006**

Conditions: In a contemporary operational environment (COE) with minimum supervision given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools, and test equipment.

Standards: Perform diagnostic procedures of the stabilization system and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level [SL].) When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Review the work request.
2. Perform an initial inspection.
3. Determine the required maintenance action.
4. Ensure proper tools are available to perform this task.
5. Ensure parts are identified and requisitioned as required.
6. Ensure applicable publications are available.
7. Ensure all safety precautions are followed.
8. Diagnose stabilization system fault(s), and determine maintenance action to be performed.
9. Repair/replace defective parts/components.
10. Perform a final inspection.
11. Ensure applicable maintenance forms are completed, as required.
12. Ensure tools and equipment are properly maintained.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed the work request.	—	—
2. Performed an initial inspection.	—	—
3. Determined the required maintenance action.	—	—
4. Ensured proper tools are available to perform this task.	—	—
5. Ensured parts are identified and requisitioned as required.	—	—
6. Ensured applicable publications are available.	—	—
7. Ensured all safety precautions are followed.	—	—
8. Diagnosed stabilization system fault(s), and determined maintenance action to be performed.	—	—
9. Repaired/replaced defective parts/components.	—	—
10. Performed a final inspection.	—	—

Performance Measures

- 11. Ensured applicable maintenance forms are completed, as required.
- 12. Ensured tools and equipment are properly maintained.

<u>GO</u>	<u>NO-GO</u>
—	—
—	—

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

References

Required

- TM 9-2350-284-10-1
- TM 9-2350-284-20-2-1
- TM 9-2350-284-20-2-2
- TM 9-2350-284-20-2-3

Related

**Perform Diagnostic Procedures of the Hull Electrical Systems on the M2/M3 BFV
091-91M-3012**

Conditions: In a contemporary operational environment (COE) with minimum supervision given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools, and test equipment.

Standards: Perform diagnostic procedures of the hull electrical system and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Review work request.
2. Perform an initial inspection.
3. Determine the required maintenance action.
4. Ensure proper tools are available to perform this task.
5. Ensure parts are identified and requisitioned as required.
6. Perform troubleshooting of the hull electrical systems.
 - a. Master Power Distribution system.
 - b. Charging system.
 - c. Starting system.
7. Ensure applicable publications are available.
8. Ensure all safety precautions and procedures are followed.
9. Ensure task is performed in accordance with appropriate TM's and references.
10. Perform a final inspection to ensure the electrical systems are fully mission capable.
11. Ensure maintenance forms are completed, as required.
12. Ensure tools and equipment are properly maintained.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed work request.	___	___
2. Performed an initial inspection.	___	___
3. Determined the required maintenance action.	___	___
4. Ensured proper tools are available to perform this task.	___	___
5. Ensured parts are identified and requisitioned as required.	___	___
6. Performed troubleshooting of the hull electrical systems. <ol style="list-style-type: none"> a. Master Power Distribution system. b. Charging system. c. Starting system. 	___	___
7. Ensured applicable publications are available.	___	___

Performance Measures	<u>GO</u>	<u>NO-GO</u>
8. Ensured all safety precautions and procedures are followed.	—	—
9. Ensured task is performed in accordance with appropriate TM's and references.	—	—
10. Performed a final inspection to ensure the electrical systems are fully mission capable.	—	—
11. Ensured maintenance forms are completed, as required.	—	—
12. Ensured tools and equipment are 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-284-10-1	
TM 9-2350-284-10-2	
TM 9-2350-284-20-1-1	
TM 9-2350-284-20-1-2	
TM 9-2350-284-20-1-3	
TM 9-2350-284-20-1-4	
TM 9-2350-284-20-1-5	
TM 9-2350-284-20-2-1	
TM 9-2350-284-20-2-2	
TM 9-2350-284-20-2-3	
TM 9-8000	

**Perform Diagnostic Procedures of the VTA-903T Diesel Engine on the M2/M3 BFV
091-91M-3015**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; and applicable technical publications.

Standards: Perform diagnostic procedures of the VTA-903T diesel engine and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Review work request.
2. Ensure applicable technical publications are available.
3. Ensure proper tools are available to inspect, repair/replace, and test the diesel engines.
4. Perform initial inspection.
5. Diagnose diesel engine fault(s), and determine maintenance action to be performed.
6. Identify repair parts and requisition, if required.
7. Ensure all safety precautions and procedures are followed.
8. Ensure task is performed in accordance with appropriate technical manuals and references.
9. Perform a final inspection to ensure the diesel engines are fully mission capable.
10. Ensure applicable maintenance forms are completed, as required.
11. Ensure tools and equipment are properly maintained.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed work request.	—	—
2. Ensured applicable technical publications are available.	—	—
3. Ensured proper tools are available to inspect, repair/replace, and test the diesel engines.	—	—
4. Performed initial inspection.	—	—
5. Diagnosed diesel engine fault(s), and determined maintenance action to be performed.	—	—
6. Identified repair parts and requisition, if required.	—	—
7. Ensured all safety precautions and procedures are followed.	—	—
8. Ensured task is performed in accordance with appropriate technical manuals and references.	—	—
9. Performed a final inspection to ensure the diesel engines are fully mission capable.	—	—

Performance Measures

- 10. Ensured applicable maintenance forms are completed, as required.
- 11. Ensured tools and equipment are properly maintained.

<u>GO</u>	<u>NO-GO</u>
—	—
—	—

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

References

Required

- TM 9-2350-284-10-1
- TM 9-2350-284-10-2
- TM 9-2350-284-20-1-1
- TM 9-2350-284-20-1-2
- TM 9-2350-284-20-1-3
- TM 9-2350-284-20-1-4
- TM 9-2350-284-20-1-5
- TM 9-8000

Related

**Perform Battlefield Damage Assessment and Repair of the M2/M3 BFV
091-91M-3016**

Conditions: In a contemporary operational environment (COE) given the applicable vehicle; repair parts; applicable mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; and applicable technical publications.

Standards: Perform battlefield damage assessment and repair (BDAR) of the M2/M3 BFV. Document required maintenance actions. Supervise and assist personnel assigned to perform BDAR to ensure repair is performed to acceptable standards, with equipment being capable of functioning in a battlefield environment.

Performance Steps

1. Review work request.
2. Ensure applicable technical publications are available.
3. Inspect vehicle to diagnose damage.
4. Determine necessary BDAR repairs.
5. Ensure proper tools, TMDE, and equipment are available to perform BDAR.
6. Perform BDAR of the M2/M3 BFV in accordance with applicable references.
7. Ensure task is performed in accordance with appropriate technical manuals and references.
8. Perform a final inspection to ensure the vehicle is capable of functioning in a battlefield environment.
9. Ensure maintenance forms are completed, as required.
10. Ensure tools and equipment are properly maintained.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed work request.	—	—
2. Ensured applicable technical publications are available.	—	—
3. Inspected vehicle to diagnose damage.	—	—
4. Determined necessary BDAR repairs.	—	—
5. Ensured proper tools, TMDE, and equipment are available to perform BDAR.	—	—
6. Ensured proper tools, TMDE, and equipment are available to perform BDAR.	—	—
7. Ensured task is performed in accordance with appropriate technical manuals and references.	—	—
8. Performed a final inspection to ensure the vehicle is capable of functioning in a battlefield environment.	—	—
9. Ensured maintenance forms are completed, as required.	—	—
10. Ensured tools and equipment are 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References**Required**

TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Perform Diagnostic Procedures of the Transmission Assembly on the M2/M3 BFV
091-91M-3026**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the transmission assembly and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Review the work request.
2. Perform an initial inspection.
3. Determine the required maintenance action.
4. Ensure proper tools are available to perform this task.
5. Ensure parts are identified and requisitioned as required.
6. Ensure applicable publications are available.
7. Ensure all safety precautions are followed.
8. Diagnose transmission assembly fault(s) and determine maintenance action to be performed.
9. Repair/replace defective parts/components.
10. Perform a final inspection.
11. Ensure applicable maintenance forms are completed, as required.
12. Ensure tools and equipment are properly maintained.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed the work request.	___	___
2. Performed an initial inspection.	___	___
3. Determined the required maintenance action.	___	___
4. Ensured proper tools are available to perform this task.	___	___
5. Ensured parts are identified and requisitioned as required.	___	___
6. Ensured applicable publications are available.	___	___
7. Ensured all safety precautions are followed.	___	___
8. Diagnosed transmission assembly fault(s) and determined maintenance action to be performed.	___	___
9. Repaired/replaced defective parts/components.	___	___

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
10. Performed a final inspection.	—	—
11. Ensured tools and equipment are properly maintained.	—	—
12. Ensured all applicable maintenance forms are filled out corrected 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References**Required**

TM 9-2350-284-20-1-1
 TM 9-2350-284-20-1-2
 TM 9-2350-284-20-1-3
 TM 9-2350-284-20-1-4
 TM 9-2350-284-20-1-5
 TM 9-2350-284-34-1
 TM 9-2350-284-34-2
 TM 9-2350-284-34-3-1
 TM 9-2350-284-34-3-2
 TM 9-2520-270-34

Related

**Perform Diagnostic Procedures of the Deck Clearance System on the M2/M3 BFV
091-91M-3036**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the deck clearance system on the M2/M3 BFV in accordance with the applicable technical publications. When this task is completed, the equipment or end item must be fully mission-capable, or required maintenance actions to be performed by other than 91M skill levels (SLs) 3/4 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Follow shop safety and maintenance discipline.
4. Perform initial inspection on the deck clearance system.
5. Diagnose deck clearance system and determine the maintenance action to be performed.
6. Perform a final operational test to verify that the deck clearance system malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
8. Maintain tools and equipment.

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. Followed shop safety and maintenance discipline.	___	___
4. Performed initial inspection on the deck clearance system.	___	___
5. Diagnosed deck clearance system and determine the maintenance action to be performed.	___	___
6. Performed a final operational test to verify that the deck clearance system malfunction(s) is corrected to specification.	___	___
7. Annotated corrective actions taken on the DA Form 5988-E, as required.	___	___
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5

Related

**Perform Diagnostic Procedures of the Integrated Sight Unit on the M2/M3 BFV
091-91M-3044**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the integrated sight unit and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Review the work request.
2. Perform an initial inspection.
3. Determine the required maintenance action.
4. Ensure proper tools are available to perform this task.
5. Ensure parts are identified and requisitioned as required.
6. Perform diagnostic procedures of Integrated Sight Unit (ISU).
7. Ensure applicable publications are available.
8. Ensure all safety precautions are followed.
9. Ensure the task is performed to acceptable standards.
10. Perform a final inspection.
11. Ensure maintenance forms are completed, as required.
12. Ensure tools and equipment are properly maintained.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed the work request.	___	___
2. Performed an initial inspection.	___	___
3. Determined the required maintenance action.	___	___
4. Ensured proper tools are available to perform this task.	___	___
5. Ensured parts are identified and requisitioned as required.	___	___
6. Performed diagnostic procedures of Integrated Sight Unit (ISU).	___	___
7. Ensured applicable publications are available.	___	___
8. Ensured all safety precautions are followed.	___	___
9. Ensured the task is performed to acceptable standards.	___	___
10. Performed a final inspection.	___	___

Performance Measures

- 11. Ensured maintenance forms are completed, as required.
- 12. Ensured tools and equipment are properly maintained.

<u>GO</u>	<u>NO-GO</u>
—	—
—	—

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

References

Required

- TM 9-2350-284-10-1
- TM 9-2350-284-20-2-1
- TM 9-2350-284-20-2-2
- TM 9-2350-284-20-2-3

Related

**Perform Diagnostic Procedures of the 25MM Gun System on the M2/M3 BFV
091-91M-3046**

Conditions: In a contemporary operational environment (COE) given an M2/M3 series vehicle; repair parts; artillery and turret mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the 25mm gun system and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Follow shop safety and maintenance discipline.
4. Perform initial inspection on the 25mm gun system.
5. Remove the M242, 25mm automatic gun.
6. Diagnose the M242, 25mm automatic gun.
7. Repair/replace defective parts/components.
8. Perform adjustment on the 25mm gun system.
9. Perform a final operational test to verify that the 25m gun system malfunction(s) is corrected to specification.
10. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), as required.
11. Maintain tools and equipment.

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. Followed shop safety and maintenance discipline.	—	—
4. Performed initial inspection on the 25mm gun system.	—	—
5. Removed the M242, 25mm automatic gun.	—	—
6. Diagnosed the M242, 25mm automatic gun.	—	—
7. Repaired/replaced defective parts/components.	—	—
8. Performed final inspection on the 25mm gun system.	—	—
9. Performed a final operational test to verify that the 25mm gun system malfunction(s) is corrected to specification.	—	—

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
10. Annotated corrective actions taken on the DA Form 5988-E, as required.	—	—
11. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required	Related
DA Form 5988-E	
TM 9-1005-200-23&P	
TM 9-2350-284-10-1	
TM 9-2350-284-20-2-1	
TM 9-2350-284-20-2-2	
TM 9-2350-284-20-2-3	

**Perform Diagnostic Procedures of the 7.62 Gun System on the M2/M3 BFV
091-91M-3047**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the 7.62 gun system and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Select and use applicable tools and TMDE.
4. Perform initial inspection the 7.62 gun system/components.
5. Remove the 7.62 gun system.
6. Diagnose the 7.62 gun system.
7. Install the 7.62 gun system.
8. Install the 7.62 gun system.
9. Perform a final operational test to verify that the 7.62 gun system malfunction(s) is corrected to specification.
10. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*).
11. Maintain tools and equipment.

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. Followed shop safety and maintenance discipline.	—	—
4. Performed initial inspection the 7.62 gun system/components.	—	—
5. Removed the 7.62 gun system.	—	—
6. Diagnosed the 7.62 gun system.	—	—
7. Installed the 7.62 gun system.	—	—
8. Repaired/replaced defective parts and adjusted the 7.62 gun system.	—	—
9. Performed a final operational test to verify that the 7.62 gun system malfunction(s) is corrected to specification.	—	—

Performance Measures

- 10. Annotated corrective actions taken on the DA Form 5988-E.
- 11. Maintained tools and equipment.

<u>GO</u>	<u>NO-GO</u>
—	—
—	—

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

References

Required

- DA Form 5988-E
- TM 9-1005-200-23&P
- TM 9-2350-284-10-1
- TM 9-2350-284-20-2-1
- TM 9-2350-284-20-2-2
- TM 9-2350-284-20-2-3

Related

**Perform Diagnostic Procedures of the TOW Launcher System on the M2/M3 BFV
091-91M-3048**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the tube-launched, optically tracked, wire-guided (TOW) Launcher System and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform initial inspection.
5. Diagnose the M2/M3 TOW Launcher System.
6. Repair/replace defective parts/components
7. Perform a final operational test to verify that the Tow Launcher System malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), as required.
9. Maintain tools and equipment.

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 initial inspection.	—	—
5. Diagnosed M2/M3 TOW Launcher System.	—	—
6. Repaired/replaced defective parts/components	—	—
7. Performed a final operational test to verify that the Tow Launcher System malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E, as required.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References**Required**

DA Form 5988-E
TM 11-6625-3052-14
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

Perform Diagnostic Procedures of the Turret Drive on the M2/M3 BFV
091-91M-3049

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the turret drive and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform initial inspection the turret drive/components.
5. Diagnose the turret drive and determined maintenance action to be performed.
6. Perform a final operational test to verify that the turret drive malfunction(s) is corrected to specification.
7. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), as required.
8. Maintain tools and equipment.

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 initial inspection the turret drive/components.	—	—
5. Diagnosed the turret drive and determined maintenance action to be performed.	—	—
6. Performed a final operational test to verify that the turret drive malfunction(s) is corrected to specification.	—	—
7. Annotated corrective actions taken on the DA Form 5988-E, as required.	—	—
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

**Perform Diagnostic Procedures of the GNRs/CMDRs Hand Station on the M2/M3 BFV
091-91M-3050**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the gunners/commanders (GNRs/CMDRs) Hand Station and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use correct tools/TMDE.
3. Practice maintenance discipline.
4. Follow prescribed safety procedures.
5. Verified work request.
6. Perform initial inspection.
7. Diagnose the GNRs/CMDRs Hand Station using TMDE.
8. Replace/repair components, as required.
9. Perform a final operational check to verify part is replaced to specifications.
10. Verify fault had been corrected.
11. Maintain tools and equipment.
12. Complete DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), as required.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	—	—
2. Selected and used correct tools/TMDE.	—	—
3. Practiced maintenance discipline.	—	—
4. Followed prescribed safety procedures.	—	—
5. Verified work request.	—	—
6. Performed initial inspection.	—	—
7. Diagnosed the GNRs/CMDRs Hand Station using TMDE.	—	—
8. Replaced/repared components, as required.	—	—
9. Performed a final operational check to verify part is replaced to specifications.	—	—

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

- DA Form 5988-E
- TM 9-2350-284-10-1
- TM 9-2350-284-20-2-1
- TM 9-2350-284-20-2-2
- TM 9-2350-284-20-2-3

Related

**Perform Diagnostic Procedures of the Turret Electrical System on the M2/M3 BFV
091-91M-3051**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the turret electrical system and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Review the work request.
2. Perform an initial inspection.
3. Determine the required maintenance action.
4. Ensure proper tools are available to perform this task.
5. Ensure parts are identified and requisitioned as required.
6. Ensure applicable publications are available.
7. Ensure all safety precautions are followed.
8. Diagnose the turret electrical system using TMDE.
9. Ensure the task is performed to TM standards.
10. Perform a final inspection.
11. Ensure maintenance forms are completed, as required.
12. Ensure tools and equipment are properly maintained.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed the work request.	___	___
2. Performed an initial inspection.	___	___
3. Determined the required maintenance action.	___	___
4. Ensured proper tools are available to perform this task.	___	___
5. Ensured parts are identified and requisitioned as required.	___	___
6. Ensured applicable publications are available.	___	___
7. Ensured all safety precautions are followed.	___	___
8. Diagnosed the turret electrical system using TMDE.	___	___
9. Ensured the task is performed to TM standards.	___	___

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
10. Performed a final inspection.	—	—
11. Ensured maintenance forms are completed, as required.	—	—
12. Ensured tools and equipment are 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-284-20-2-1	
TM 9-2350-284-20-2-1-1	
TM 9-2350-284-20-2-2	
TM 9-2350-284-20-2-3	
TM 9-2350-284-24P-2	

**Perform Diagnostic Procedures of the Fire Control System on the M2/M3 BFV
091-91M-3052**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the fire control systems and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the fire control system/components.
5. Troubleshoot the fire control system and determine maintenance action to be performed.
6. Replace the Fire Control System components, as required.
7. Perform a final operational test to verify that the fire control system malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), as required.
9. Maintain tools and equipment.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable technical.	___	___
2. Selected and used applicable tools and TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected the fire control system/components.	___	___
5. Troubleshoot the fire control system and determine maintenance action to be performed.	___	___
6. Replaced the Fire Control System components, as required.	___	___
7. Performed a final operational test to verify that the fire control system malfunction(s) was corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E, as required.	___	___
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References**Required**

DA Form 5988-E
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3
TM 9-2350-284-24P-1

Related

Repair Turret Distribution Box on the M2/M3 BFV
091-91M-3053

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Repair turret distribution box and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform initial inspection turret distribution box/components.
5. Diagnose the turret distribution box fault(s) using TMDE and determine maintenance action(s).
6. Adjust and/or replace turret distribution box/components.
7. Perform a final operational test to verify that the turret distribution box malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), as required.
9. Maintain tools and equipment.

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 initial inspection turret distribution box/components.	—	—
5. Diagnosed the turret distribution box fault(s) using TMDE and determined maintenance action(s).	—	—
6. Adjusted and/or replaced turret distribution box/components.	—	—
7. Performed a final operational test to verify that the turret distribution box malfunction(s) is corrected to specification.	—	—
8. Annotated corrective actions taken on the DA Form 5988-E, as required.	—	—
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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References**Required**

DA Form 5988-E
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

TM 9-2350-284-10-1

Repair TOW Elevation Drive Gearbox on the M2/M3 BFV
091-91M-3054

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Repair tube-launched, optically tracked, wire-guided (TOW) elevation drive gearbox and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical manuals.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Diagnose the TOW elevation drive gearbox faults and determine maintenance actions to be performed.
5. Replace defective components, as necessary.
6. Perform final operational test to verify the TOW elevation drive gearbox faults have been corrected.
7. Ensure all safety precautions and procedures are followed.
8. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable technical manuals.	—	—
2. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE).	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Diagnosed the TOW elevation drive gearbox faults and determine maintenance actions to be performed.	—	—
5. Replaced defective components, as necessary.	—	—
6. Performed final operational test to verify the TOW elevation drive gearbox faults have been corrected.	—	—
7. Ensured all safety precautions and procedures are followed.	—	—
8. Completed The Army Maintenance Management System (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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

TM 11-6625-3052-14
TM 9-2350-284-10-1
TM 9-2350-284-10-2
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3

Related

**Repair Vehicle Distribution Box on the M2/M3 BFV
091-91M-3055**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Repair vehicle distribution box and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use correct tools/TMDE.
3. Practice maintenance discipline.
4. Follow prescribed safety procedures.
5. Verify work request.
6. Remove components, as required.
7. Inspect equipment, and components.
8. Replace components, as required.
9. Perform a final operational check to verify part is replaced to specifications.
10. Verify fault had been corrected.
11. Maintain tools and equipments.
12. Complete DA Form 5988-E (*Equipment Inspection Maintenance Worksheet*), as required.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Selected and used applicable publications.	___	___
2. Selected and used correct tools/TMDE.	___	___
3. Practiced maintenance discipline.	___	___
4. Followed prescribed safety procedures.	___	___
5. Verified work request.	___	___
6. Removed components, as required.	___	___
7. Inspected equipment, and components.	___	___
8. Replaced components, as required.	___	___
9. Performed a final operational check to verify part is replaced to specifications.	___	___
10. Verified fault had been corrected.	___	___

Performance Measures

11. Maintained tools and equipments.

GO NO-GO

— —

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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

- DA Form 5988-E
- TM 9-2350-284-10-1
- TM 9-2350-284-10-2
- TM 9-2350-284-20-1-1
- TM 9-2350-284-20-1-2
- TM 9-2350-284-20-1-3
- TM 9-2350-284-20-1-4
- TM 9-2350-284-20-1-5

Related

**Repair Traverse Drive Gearbox on the M2/M3 BFV
091-91M-3056**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Repair traverse drive gearbox and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform initial inspection.
5. Diagnose the traverse drive gearbox faults and determine maintenance actions to be performed.
6. Replace defective components as necessary.
7. Perform final operational test to verify the traverse gearbox faults have been corrected.
8. Ensure all safety precautions and procedures are followed.
9. Complete The Army Maintenance Management System (TAMMS) forms, as required.

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 initial inspection.	—	—
5. Diagnosed the traverse drive gearbox faults and determine maintenance actions to be performed.	—	—
6. Replaced defective components as necessary.	—	—
7. Performed final operational test to verify the traverse gearbox faults have been corrected.	—	—
8. Ensured all safety precautions and procedures are followed.	—	—
9. Completed The Army Maintenance Management System (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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

TM 9-2350-284-10-1
TM 9-2350-284-20-1-1
TM 9-2350-284-20-1-2
TM 9-2350-284-20-1-3
TM 9-2350-284-20-1-4
TM 9-2350-284-20-1-5
TM 9-2350-284-20-2-1
TM 9-2350-284-20-2-2
TM 9-2350-284-20-2-3
TM 9-2350-284-34-1

Related

**Remove Turret Assembly on the M2/M3 BFV
091-91M-3057**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Remove turret assembly and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform initial inspection.
5. Remove turret assembly.
6. Perform a final operational test to verify turret assembly replaced to specification.
7. Complete TAMMS forms as required.
8. Maintain tools and equipment.

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 initial inspection.	___	___
5. Removed turret assembly.	___	___
6. Performed a final operational test to verify turret assembly replaced to specification.	___	___
7. Completed TAMMS forms as required.	___	___
8. 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 any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

References

Required

- TM 9-1425-453-34-2
- TM 9-1425-453-34-3-1

Related

- TM 9-1425-453-34-3-2

**Install Turret Assembly on the M2/M3 BFV
091-91M-3058**

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; general mechanic's tool kit; additional tools, test, measurement, and diagnostic equipment (TMDE), and equipment as indicated in technical manuals (TMs); a maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Install turret assembly and replace or repair its components on the M2/M3 BFV in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty [MOS] and skill level [SL]). When this task is completed, the vehicle or equipment must be fully mission-capable, or maintenance actions required by other than 91M personnel must be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform initial inspection.
5. Install turret assembly.
6. Perform a final operational test to verify turret assembly replaced to specification.
7. Complete TAMMS forms, as required.
8. Maintain tools and equipment.

Performance Measures

1. Selected and used applicable technical publications.
2. Selected and used applicable tools and TMDE.
3. Practiced shop safety and maintenance discipline.
4. Performed initial inspection.
5. Installed turret assembly.
6. Performed a final operational test to verify turret assembly replaced to specification.
7. Completed TAMMS forms, as required.
8. Maintained tools and equipment.

<u>GO</u>	<u>NO-GO</u>
—	—
—	—
—	—
—	—
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—	—
—	—

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

References

Required	Related
TM 9-1425-453-34-2	
TM 9-1425-453-34-3-1	
TM 9-1425-453-34-3-2	

Skill Level 4

Subject Area 7: COMMON LOGISTICS MANAGEMENT TASKS

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

Conditions: In a contemporary operational environment (COE) given a noncommissioned officer evaluation report (NCOER) with the rater's portion completed, accompanying counseling statements, and Army regulation (AR) 623-3.

Standards: Perform senior rater's responsibilities in accordance with applicable references.

Performance Steps

1. Ensure all materials and references were available.
2. Review quarterly counseling that supported the NCOER.
3. Review the administrative data and rater's portions of the NCOER for accuracy and content.
4. Prepare the senior rater's portion of the NCOER.
5. Submit the NCOER for review and further processing.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Ensured all materials and references were available.	—	—
2. Reviewed quarterly counseling that supported the NCOER.	—	—
3. Reviewed the administrative data and rater's portions of the NCOER for accuracy and content.	—	—
4. Prepared the senior rater's portion of the NCOER.	—	—
5. Submitted the NCOER for review and further processing.	—	—

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

References

Required	Related
AR 623-3	

**Supervise Platoon/Section Administrative Procedures
091-CLT-4002**

Conditions: In a contemporary operational environment (COE) given Army regulation (AR) 25-400-2, AR 600-8-2, AR 614-200, AR 635-200, situation(s) requiring platoon/section administrative procedures supervision and applicable forms, records, and publications.

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

Performance Steps

1. Establish files using the Army Records Information Management System (ARIMS).
 - a. Prepare file folders and guides
 - b. Arrange file folders and guides.
 - c. Prepare file drawer labels.
 - d. Prepare a list of file numbers
2. Process a recommendation for award.
3. Process and update a flag on records.
4. Verify the accuracy of Suspension of Favorable Action Report.
5. Process and update a bar to reenlistment.
6. Process a chapter action.
 - a. Select appropriate type of chapter action and identify separation guidelines.
 - b. Initiate and follow up on the chapter action.
7. Process a recommendation for advancement/promotion.
8. Verify accuracy of Enlisted Promotion Report (AAC-C01).
9. Assist a subordinate noncommissioned officer (NCO) who had received notice of selection to be released under the Qualitative Management Program (QMP).

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Established files using ARIMS.	—	—
a. Prepared file folders and guides.		
b. Arranged file folders and guides.		
c. Prepared file drawer labels.		
d. Prepared a list of file numbers.		
2. Processed a recommendation for award.	—	—
3. Processed and updated a flag on records.	—	—
4. Verified the accuracy of Suspension of Favorable Action Report.	—	—
5. Processed and updated a bar to reenlistment.	—	—
6. Processed a chapter action.	—	—
a. Selected appropriate type of chapter action and identified separation guidelines.		
b. Initiated and followed up on the chapter action.		
7. Processed a recommendation for advancement/promotion.	—	—

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
8. Verified accuracy of Enlisted Promotion Report (AAC-C01).	—	—
9. Assisted a subordinate noncommissioned officer (NCO) who had received notice of selection to be released under the Qualitative Management Program (QMP).	—	—

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

References

- Required**
- AR 25-400-2
- AR 600-8-2
- AR 614-200
- AR 635-200

Related

Manage Combat Stress
091-CLT-4003

Conditions: In a contemporary operational environment (COE) given a situation requiring stress management and Field Manual (FM) 6-22.5.

Standards: Manage combat stress in accordance with applicable reference.

Performance Steps

1. Identify sources of combat stress.
2. Identify the signs and classifications of battle fatigue.
3. Identify signs of stress in self, others, and the unit.
4. Take appropriate steps to reduce and/or prevent stress.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Identified sources of combat stress.	—	—
2. Identified the signs and classifications of battle fatigue.	—	—
3. Identified signs of stress in self, others, and the unit.	—	—
4. Took appropriate steps to reduce and/or prevent stress.	—	—

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

References

Required
FM 6-22.5

Related

**Coordinate Support for the Maintenance Platoon/Section
091-CLT-4006**

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, a maintenance platoon or section with personnel and equipment, standing operating procedure (SOP), and applicable references.

Standards: Coordinate support for the maintenance platoon or section in accordance with SOP and applicable references.

Performance Steps

1. Evaluate the tactical situation and OPORD requirements.
2. Determine support needed at each location.
3. Notify parent and support units of support requirements.
4. Follow up to ensure support had been coordinated and was being provided.
 - a. Notify appropriate parent and support units to resolve any problems.
 - b. Address problems in After Action Review (AAR).

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Evaluated the tactical situation and OPORD requirements.	—	—
2. Determined support needed at each location.	—	—
3. Notified parent and supported units of support requirements.	—	—
4. Followed up to ensure support had been coordinated and was being provided. <ol style="list-style-type: none"> a. Notified appropriate parent and supported units to resolve any problems. b. Addressed problems in After Action Review (AAR). 	—	—

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

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

Conditions: In a contemporary operational environment (COE) given a Unit Level Logistics System-Ground (ULLS-G) computer system with software and equipment data base in a unit-level maintenance shop, a Standard Army Maintenance System-1 (SAMS-1) computer system with software and database in a direct support (DS)-level maintenance shop, a Standard Army Maintenance System-2 (SAMS-2) computer system with software and data base in a support operations section, Automated Information Systems Manual (AISM)-25-L21-AHN-ZZZ-EM, AISM-25-L26-AHO-ZZZ-EM, Army Regulation (AR) 710-2, Department of the Army (DA) Pamphlet 710-2-1, DA Pamphlet 750-8, and applicable publications.

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

Performance Steps

1. Identify the architecture and interface of Army automated logistics systems.
2. Supervise ULLS-G functions in a unit level maintenance shop.
3. Supervise SAMS-1 functions in a DS level maintenance shop.
4. Supervise SAMS-2 functions in a support operations section.
5. Interface with Standard Army Retail Supply System-Objective (SARSS-O) for supply functions.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Identified the architecture and interface of Army automated logistics systems.	—	—
2. Supervised ULLS-G functions in a unit level maintenance shop.	—	—
3. Supervised SAMS-1 functions in a DS level maintenance shop.	—	—
4. Supervised SAMS-2 functions in a support operations section.	—	—
5. Interfaced with Standard Army Retail Supply System-Objective (SARSS-O) for supply functions.	—	—

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

References

Required	Related
AISM-25-L21-AHN-ZZZ-EM	
AISM-25-L26-AHO-ZZZ-EM	
AR 710-2	
DA PAM 710-2-1	
DA PAM 750-8	

**Plan Logistics Support for Maintenance Operations
091-CLT-4011**

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, maintenance personnel and equipment, and applicable references.

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

Performance Steps

1. Assess the combat situation.
2. Determine support needed.
 - a. People (skills and numbers).
 - b. Equipment (transportation, tools, test, measurement, and diagnostic equipment [TMDE], and communications).
 - c. Supplies (components, assemblies, and repair parts).
3. Organize resources to provide needed support.
4. Follow these planning considerations:
 - a. Number and type of units supported.
 - b. Stock levels for repair parts.
 - c. Forward displacement of maintenance support teams and maintenance collection points.
 - d. Channels and procedures for recovery, collection, evacuation, and disposition of captured or abandoned materiel.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Assessed the combat situation.	___	___
2. Determined support needed.	___	___
a. People (skills and numbers).		
b. Equipment (transportation, tools, test, measurement, and diagnostic equipment [TMDE], and communications).		
c. Supplies (components, assemblies, and repair parts).		
3. Organized resources to provide needed support.	___	___
4. Followed these planning considerations:	___	___
a. Number and type of units supported.		
b. Stock levels for repair parts.		
c. Forward displacement of maintenance support teams and maintenance collection points.		
d. Channels and procedures for recovery, collection, evacuation, and disposition of captured or abandoned materiel.		

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

References

Required
FM 4-30.3

Related

**Prepare Standing Operating Procedures for Maintenance Operations
091-CLT-4021**

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, higher headquarters standing operating procedure (SOP), and commander's guidance.

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

Performance Steps

1. Ensure applicable publication was available.
2. Prepare a maintenance shop internal or external SOP.
3. Ensure unit policies and commander's guidance were followed.
4. Ensure shop operation policies were adequately addressed.
5. Update the shop SOP, as required.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Ensured applicable publication was available.	—	—
2. Prepared a maintenance shop internal or external SOP.	—	—
3. Ensured unit policies and commander's guidance were followed.	—	—
4. Ensured shop operation policies were adequately addressed.	—	—
5. Updated the shop SOP, as required.	—	—

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

References

Required
FM 4-30.3

Related

Supervise the Deployment of Company Maintenance Team/Recovery Support Team/Maintenance Support Team
091-CLT-4022

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 1-02, FM 3-34.170, FM 4-30.3, a request for maintenance support/maintenance situation, map, operational overlay, grid coordinates of destination, vehicle(s), equipment, maintenance personnel, and applicable references.

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

Performance Steps

1. Review the request for maintenance support or maintenance situation.
2. Ensure personnel and equipment were available to perform the mission.
3. Ensure resources for the company maintenance team, recovery support team, and/or maintenance support team, including personnel with applicable MOS, vehicles, tools, test equipment, publications, repair parts, time, and facilities were appropriately identified.
4. Ensure requirements for defending the teams had been properly determined and arranged.
5. Ensure team leaders were briefed on the mission.
 - a. Review the operational overlay.
 - b. Conduct a map reconnaissance of the route and destination.
6. Ensure the company maintenance team, recovery support team, and/or maintenance support team was deployed.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed the request for maintenance support or maintenance situation.	___	___
2. Ensured personnel and equipment were available to perform the mission.	___	___
3. Ensured resources for the company maintenance team, recovery support team, and/or maintenance support team, including personnel with applicable MOS, vehicles, tools, test equipment, publications, repair parts, time, and facilities were appropriately identified.	___	___
4. Ensured requirements for defending the teams had been properly determined and arranged.	___	___
5. Ensured team leaders were briefed on the mission. <ol style="list-style-type: none"> a. Reviewed the operational overlay. b. Conducted a map reconnaissance of the route and destination. 	___	___
6. Ensured the company maintenance team, recovery support team, and/or maintenance support team were deployed.	___	___

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

References

Required

FM 1-02
FM 3-34.170
FM 4-30.3

Related

Conduct a Route Reconnaissance for a Maintenance Mission
091-CLT-4023

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 3-34.170, FM 4-30.3, a maintenance situation/operation order (OPORD), operational overlay, grid coordinates for a proposed route, map, vehicle with personnel, and applicable references.

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

Performance Steps

1. Ensure necessary equipment and publications were available.
2. Determine the route to be used for the maintenance mission.
3. Perform a map reconnaissance of the route.
4. Contact units along the route and coordinated passage.
5. Select personnel to conduct the reconnaissance.
6. Conduct a reconnaissance of the route by identifying the following key features.
 - a. Potential problem areas (that is, possible enemy contact, trafficability, and so forth).
 - b. Possible bypasses and alternate routes.
7. Record information on a strip map for use by the maintenance team.
8. Advise the commander or staff officer on use of the route for maintenance missions.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Determined the route to be used for the maintenance mission.	—	—
3. Performed a map reconnaissance of the route.	—	—
4. Contacted units along the route and coordinated passage.	—	—
5. Selected personnel to conduct the reconnaissance.	—	—
6. Conducted a reconnaissance of the route by identifying the following key features. <ol style="list-style-type: none"> a. Potential problem areas (that is, possible enemy contact, trafficability, and so forth). b. Possible bypasses and alternate routes. 	—	—
7. Recorded information on a strip map for use by the maintenance team.	—	—
8. Advised the commander or staff officer on use of the route for maintenance missions.	—	—

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

References

Required	Related
FM 3-34.170	
FM 4-30.3	

**Conduct an Area Reconnaissance for a Maintenance Mission
091-CLT-4024**

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 3-34.170, FM 4-30.3, a maintenance situation/operation order (OPORD), operational overlay, grid coordinates for a proposed occupation area, map, vehicle with personnel, and applicable references.

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

Performance Steps

1. Ensure necessary equipment and publications were available.
2. Perform a map reconnaissance of the area.
3. Select personnel to conduct the reconnaissance.
4. Conduct a reconnaissance of the area to determine suitability for maintenance operations, accessibility in and out of the site, defensible, and actions required for the safety of personnel and equipment.
5. Advise the commander or staff officer on occupying the area of operations based upon the reconnaissance.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Performed a map reconnaissance of the area.	—	—
3. Selected personnel to conduct the reconnaissance.	—	—
4. Conducted a reconnaissance of the area to determine suitability for maintenance operations, accessibility in and out of the site, defensible, and actions required for the safety of personnel and equipment.	—	—
5. Advised the commander or staff officer on occupying the area of operations based upon the reconnaissance.	—	—

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

References

Required	Related
FM 3-34.170	
FM 4-30.3	

Manage Battlefield Maintenance Support
091-CLT-4025

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, maintenance personnel, equipment, and applicable references.

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

Performance Steps

1. Assess the combat situation and organized and prioritized support based on the type of operation.
 - a. Offensive operation.
 - b. Defensive operation.

2. Plan for and execute appropriate maintenance support.
 - a. Identify requirements.
 - b. Identify available resources.
 - (1) Personnel and skills.
 - (2) Publications.
 - (3) Time.
 - (4) Facilities.
 - (5) Test, measurement, and diagnostic equipment (TMDE) and tools.
 - (6) Parts.
 - c. Manage resources for maximum return, with priority on the following:
 - (1) Maintenance support forward.
 - (2) Commander's guidance.
 - (3) Battle damage repair.
 - (4) Controlled exchange.
 - (5) Cannibalization.
 - (6) Evacuation.
 - (7) Recovery.

3. Follow priorities for repair of battle damaged systems.
 - a. Most essential for completion of the immediate mission.
 - b. Least amount of time to repair.
 - c. Repairable, but not in time to continue the immediate mission.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Assessed the combat situation and organized and prioritized support based on the type of operation. <ol style="list-style-type: none"> a. Offensive operation. b. Defensive operation. 	—	—
2. Planned for and executed appropriate maintenance support. <ol style="list-style-type: none"> a. Identified requirements. b. Identified available resources. <ol style="list-style-type: none"> (1) Personnel and skills. (2) Publications. (3) Time. (4) Facilities. (5) Test, measurement, and diagnostic equipment (TMDE) and tools. (6) Parts. c. Managed resources for maximum return, with priority on the following: <ol style="list-style-type: none"> (1) Maintenance support forward. (2) Commander's guidance. 	—	—

Performance Measures

GO NO-GO

- (3) Battle damage repair.
- (4) Controlled exchange.
- (5) Cannibalization.
- (6) Evacuation.
- (7) Recovery.

- 3. Followed priorities for repair of battle damaged systems.
 - a. Most essential for completion of the immediate mission.
 - b. Least amount of time to repair.
 - c. Repairable, but not in time to continue the immediate mission.
 - d. Damaged beyond repair candidate for cannibalization.

_____ _____

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

References

Required
FM 4-30.3

Related

**Perform Support Operations NCO Duties
091-CLT-4026**

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, a position as a support operations maintenance noncommissioned officer (NCO) and applicable references.

Standards: Perform the duties of a support operations maintenance NCO, ensuring that the direct support (DS) maintenance mission is effectively coordinated and integrated within the battalion or support group.

Performance Steps

1. Provide guidance on maintenance priorities within the unit.
2. Set objectives for maintenance shop production.
3. Monitor maintenance shop workflow and status of repair part
4. Supervise, control, and direct the operation of battalion units for the below.
 - a. DS maintenance.
 - b. Evacuation.
 - c. Repair parts supply.
 - d. Repairable exchange (RX).
 - e. Technical assistance.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Provided guidance on maintenance priorities within the unit.	—	—
2. Set objectives for maintenance shop production.	—	—
3. Monitored maintenance shop workflow and status of repair part requisitions.	—	—
4. Supervised, controlled, and directed the operation of battalion units for the below. <ol style="list-style-type: none"> a. DS maintenance. b. Evacuation. c. Repair parts supply. d. Repairable exchange (RX). e. Technical assistance. 	—	—

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

References

Required	Related
FM 4-30.3	

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

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, a maintenance collection point (MCP) site, maintenance personnel and equipment, and applicable references.

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

Performance Steps

1. Set up the MCP.
2. Manage flow of equipment for repair.
 - a. Focus efforts toward repairing systems for current battle or start of next battle.
 - b. Fix 4 to 6 hour jobs at unit maintenance collection point (UMCP).
 - c. Evacuate other equipment to brigade MCP or farther rear location.
 - d. Maximize battlefield damage assessment repair (BDAR), cannibalization, and controlled exchange at central MCP.
3. Manage company maintenance teams, recovery support teams, and maintenance support teams held at MCP.
4. Manage Prescribed Load List (PLL) assets for forward combat units.
5. Relocate forward (as necessary) to continue fix-forward support.

Performance Measures	<u>GO</u>	<u>NO-GO</u>
1. Set up the MCP.	—	—
2. Managed flow of equipment for repair. <ol style="list-style-type: none"> a. Focused efforts toward repairing systems for current battle or start of next battle. b. Fixed 4 to 6 hour jobs at unit maintenance collection point (UMCP). c. Evacuated other equipment to brigade MCP or farther rear location. d. Maximized battlefield damage assessment repair (BDAR), cannibalization, and controlled exchange at central MCP. 	—	—
3. Managed company maintenance teams, recovery support teams, and maintenance support teams held at MCP.	—	—
4. Managed Prescribed Load List (PLL) assets for forward combat units.	—	—
5. Relocated forward (as necessary) to continue fix-forward support.	—	—

Evaluation Guidance: Score the Soldier GO if all 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 4-30.3	

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

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, maintenance personnel and equipment, and applicable references.

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

Performance Steps

1. Provide maintenance support during offensive
2. Provide maintenance support during defensive
3. Provide maintenance support during retrograde operations.
4. Provide maintenance support during reconstitution operations.
5. Provide maintenance support during night operations.
6. Provide maintenance support in a chemical, biological, radiological, nuclear (CBRN) environment.
7. Provide maintenance support during stability and support operations (SASO).
 - a. Peace operations.
 - b. Humanitarian operations.
 - c. Disaster relief operations.
8. Provide maintenance support in adverse conditions.
 - a. Desert operations.
 - b. Cold weather operations.
 - c. Jungle operations.
 - d. Mountain operations.
 - e. Urban terrain operations.

Performance Measures

	<u>GO</u>	<u>NO-GO</u>
1. Provided maintenance support during offensive operations.	—	—
2. Provided maintenance support during defensive operations.	—	—
3. Provided maintenance support during retrograde operations.	—	—
4. Provided maintenance support during reconstitution operations.	—	—
5. Provided maintenance support during night operations.	—	—
6. Provided maintenance support in a chemical, biological, radiological, nuclear (CBRN) environment.	—	—
7. Provided maintenance support during stability and support operations (SASO). <ol style="list-style-type: none"> a. Peace operations. b. Humanitarian operations. c. Disaster relief operations. 	—	—
8. Provided maintenance support in adverse conditions. <ol style="list-style-type: none"> a. Desert operations. b. Cold weather operations. c. Jungle operations. 	—	—

Performance Measures**GO** **NO-GO**

- d. Mountain operations.
- e. Urban terrain operations.

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

References

Required
FM 4-30.3

Related

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Appendix A

HANDS-ON EVALUATION (DA FORM 5164-R) INSTRUCTIONS

(Excerpted from STP 21-24-SMCT, Appendix C)

DA Form 5164-R (*Hands-On Evaluation*) allows the trainer to keep a record of the performance measures a soldier passes or fails on each task.

Before evaluation:

1. Obtain a blank copy of [DA Form 5164-R](#), which you may locally reproduce on 8 ½" x 11" paper.
2. Enter the task title and 10-digit number from the STP task summary.
3. In Column a, enter the performance measure numbers from the task summary.
4. In Column b, enter the performance measure corresponding to the number in Column a (you may abbreviate this information if necessary).
5. Locally reproduce the partially completed form when evaluating more than one soldier on the task or when evaluating the same soldier more than once.

During evaluation:

1. Enter the date just before evaluating the soldier's task performance.
2. Enter the evaluator's name, the soldier's name, and the unit.
3. For each performance measure in Column b, enter a check in Column c (PASS) or Column d (FAIL), as appropriate.
4. Compare the number of performance measures the soldier passes (and, if applicable, which ones) against the task standards specified in the task summary. If the standards are met or exceeded, check the GO block under STATUS; otherwise, check the NO-GO block.

HANDS-ON EVALUATION <small>For use of this form, see STP 11-25S14-SM-TG; the proponent agency is TRADOC.</small>		DATE 23 June 2010	
TASK TITLE Correct Malfunction of the Turret Drive on the M2/M3 BFV		TASK NUMBER 091-91M-1036	
ITEM a	PERFORMANCE STEP TITLE b	SCORE (Check One)	
		PASS c	FAIL d
1.	Select and use applicable technical publications	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
2.	Select and use applicable tools and TMDE	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
3.	Practice shop safety and maintenance discipline	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
4.	Correct malfunction of the turret drive on the M2/M3 BFV	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
5.	Annotate corrective actions taken on the DA Form 5988-E	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
6.	Maintain tools and equipment	<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
EVALUATOR'S NAME SSG Randall L. Case		UNIT EFSC 215TH BSB, 3HBCT	
SOLDIER'S NAME SPC Nicholas S. Dockum		STATUS <input checked="" type="checkbox"/> GO <input type="checkbox"/> NO GO	

SAMPLE

DA FORM 5164-R, SEP 1985 EDITION OF DEC 82 IS OBSOLETE APD PE v2.01

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

Appendix B

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 1/2 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

For use of this form, see STP 10-92A12-SM-TG, the proponent agency is TRADOC.

SHEET 1 OF 1

USER APPLICATION STP 9-91M14-SM-TG	SOLDIER'S NAME					STATUS																	
	SPC DOCKUM, NICHOLAS S.	PVT BINGO, WASHISNA MEO	PFC JOHNY, QUEST	PFC CLARK, KENT	SPC STEELEERS, PITT	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO	GO	NO-GO
TASK NUMBER AND TITLE																							
091-91M-0001 Correct malf on VTA-903T	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
091-91M-0002 Correct malf on charge syst	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
091-91M-0003 Correct malf on starting syst	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
091-91M-0005 Correct malf on brake syst	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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SAMPLE

DA FORM 5165-R, JUN 2010 APP FE V1 00

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

Glossary

Section I - Acronyms & Abbreviations

AAR	after-action review; after-action report
AC	Active Component
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
AOAP	Army Oil Analysis Program
APU	Auxiliary Power Unit
AR	Army regulation
ARIMS	Army Records Information Management System
ARTEP	Army Training and Evaluation Program
ASI	additional skill identifier
ATTN	attention
BA	biannually
BDAR	battle damage assessment and repair
BDAR (1)	battlefield damage assessment and repair
BFV	Bradley Fighting Vehicle
BII	basic issue items
ALC	Basic Noncommissioned Officer Course
BOB	Break-Out Box
BW	biweekly
CBRN (1)	chemical, biological, radiological, and nuclear
chap	chapter

CIV (1)	Commander's Independent Viewer
CLT (1)	common logistic task
CMDR	commander
COE (2)	contemporary operational environment
COEI	components of end item
cont	continued; continuous
CTD	Commander's Tactical Display
CTS	contact test set
CTT	common task test
D.C.	District of Columbia
DA	Department of the Army
DA	Department of the Army
DA Form	Department of the Army form
DA PAM	Department of the Army pamphlet
DS	direct support
ETM (1)	electronic technical manual
F	Fahrenheit; fail; failed; frequency; full
FCS (1)	Fire Control Subsystem
FISTV	fire support team vehicle
FIT	Fault Isolation Test
FM	field manual; flare multiunit; force module; frequency-modulated; frequency modulation
FM (1)	field manual
Freq (1)	frequency
GNR (1)	gunner
HQ (1)	Headquarters
HQ TRADOC	Headquarters, Training and Doctrine Command
IBAS	Improved Bradley Acquisition Subsystem

IETM	interactive electronic technical manual
Inf	Infantry
ISU	integrated sight unit
LO	lubrication order
MACOM	major Army command
MCP	maintenance collection point
MCSR	Materiel Condition Status Report
Mech	mechanized
METL	Mission Essential Task List
min	minute(s)
mm	millimeter(s)
MOS	military occupational specialty
MOSC	military occupational specialty code
MSDS	Material Safety Data Sheet
NA	not applicable
NBC	nuclear, biological, and chemical
NCO	noncommissioned officer
NCOER	Noncommissioned Officer Evaluation Report
NMC	non-mission capable
No.	number
OPORD	operations order
ORD	operational requirements document
pam	pamphlet
PAM (1)	pamphlet
para	paragraph
PLL	Prescribed Load List
PMCS	preventive maintenance checks and services
PMDS	Power Management and Distribution Subsystem

POL	petroleum, oils, and lubricants
PSS (1)	Position Sensor Subsystem
QMP	Qualitative Management Program
QT	quarterly
RDL	Reimer Digital Library
RX	reparable exchange
SA	semiannual
SAMS-1	Standard Army Maintenance System-Level 1
SAMS-1E	Standard Army Maintenance System-E1
SAMS-2	Standard Army Maintenance System-Level 2
SARSS-O	Standard Army Retail Supply System-Objective
SASO	stability and support operations
SC	supply catalog
SD (1)	special duty
SL	skill level
SM	Soldier's Manual
SM/TG	Soldier's Manual/Trainer's Guide
SMCT	soldier's manual of common tasks
SOP	standing operating procedure
SQT	skill qualification test
SSI	special skill identifier
STE-M1/FVS	Simplified Test Equipment - M1 Fighting Vehicle System
STP	Soldier training publication
Suppl	supplement
Sust (1)	sustainment
SYS	system
TAMMS	The Army Maintenance Management System
TB	technical bulletin

TC (1)	training circular
TDS (1)	Turret Drive Subsystem
TG	Trainer's Guide
TM	technical manual
TMDE	test, measurement, and diagnostic equipment
Tng (1)	training
TOW	tube-launched, optically tracked, wire-guided
TRADOC	Training and Doctrine Command
UI	unit of issue
UIC	unit identification code
ULLS	Unit Level Logistics System
ULLS-G	Unit Level Logistics System-Ground
UMCP	unit maintenance collection point
UNIT	Trained in the Unit
US	United States
USA	United States Army
USAMC	United States Army Materiel Command
VA	Virginia
VDMS	Vehicle Diagnostic Maintenance Software
WK	weekly

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STP 9-91M14-SM-TG
20 May 2010

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