

STP 9-52C13-SM-TG

SOLDIER'S MANUAL/TRAINER'S GUIDE

UTILITIES EQUIPMENT REPAIRER

SKILL LEVELS 1, 2, 3

MOS 52C

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SOLDIER'S MANUAL and TRAINER'S GUIDE

MOS 52C

SOLDIER'S MANUAL AND TRAINER'S GUIDE, MOS 52C, UTILITIES EQUIPMENT REPAIRER

Skill Levels 1, 2 and 3

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PREFACE

This soldier training publication (STP) is intended for soldiers holding MOS 52C, Skill Levels 1, 2, and 3, their supervisors, trainers, and commanders. It contains an MOS Training Plan providing information needed to plan, conduct, and evaluate unit training, one of the most important jobs of military leaders. It includes standardized training objectives in the form of task summaries that can be used to train and evaluate soldiers on critical tasks supporting unit missions during wartime.

Soldiers holding MOS 52C should have access to this publication. Trainers and first line supervisors should actively plan for soldiers' access, making it available in work areas, unit learning centers, and unit libraries. However, it is not intended for an individual copy to be provided to each MOS holder. The STP is obtainable on line from the Reimer Digital Library (RDL) at:

<http://www.adtdl.army.mil/atdls.htm>

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

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

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

CHAPTER 1

Introduction

1-1. General. This soldier training publication (STP) identifies individual MOS training requirements for soldiers holding MOS 52C. 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 52C soldiers. Commanders employ two primary methods to evaluate soldiers' proficiency:

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

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

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

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

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

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

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

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

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

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

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

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

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

and sustainment training programs. Commanders should use the MOS training plan when developing unit training plans.

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

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

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

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

Trainers may use DA Form 5165-R (Field Expedient Squad Book) to record hands-on go/no-go results for a group of soldiers (for example, a crew, section, or squad) having the same MOS and skill level. This form supports conduct of commander's evaluations, and can be used to record training results gathered in the field during slack time for all 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.

CHAPTER 2

Training Guide

52C CAREER FIELD DUTY POSITIONS			
Duty Position	Subject Area	Cross Train	Train-up/Merger
Skill Level 1			
Utilities Equipment Repairer	1 - 8	NA	52C20/Utilities Equipment Repairer
Skill Level 2			
Utilities Equipment Repairer	1 - 8	NA	52C30/Senior Utilities Equipment Repairer 52C30/Technical Inspector 52C30/Utility Equipment Maintenance Manager 52C30/Senior QM & Chemical Equipment Repairer
Skill Level 3			
Senior Utilities Equipment Repairer Technical Inspector Utility Equipment Maintenance Manager Senior QM & Chemical Equipment Repairer	9 - 11	NA	52X40/Special Purpose Equipment Repairer

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 (ANCOC, BNCOC, etc.), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

AIT	Advanced Individual Training
BNCOC	Basic NCO Course
UNIT	Trained in the Unit
TCDC	Tactical Commanders Development Course
BTC	Basic Technical Course

Figure 2-1. Training Locations

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

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

Figure 2-2. Sustainment Training Frequency Codes

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

2-2. Subject Area Codes.

Skill Level 1

- 1 REFRIGERATION UNIT TASKS
- 2 AIR CONDITIONER TASKS
- 3 RECOVERY AND RECYCLING TASKS
- 5 HEATER TASKS
- 7 RECHARGER, FIRE EXTINGUISHER (HALON) TASKS
- 8 PREVENTIVE MAINTENANCE, CHECKS AND SERVICE TASKS
- 12 AUTOMOTIVE AIR CONDITIONING (A/C) SYSTEMS TASKS

Skill Level 2

- 2 AIR CONDITIONER TASKS
- 6 BOTTLE CLEANING AND CHARGING STATION (BC/CS) TASKS
- 7 RECHARGER, FIRE EXTINGUISHER (HALON) TASKS

Skill Level 3

- 9 COMMON LOGISTICS TASKS
- 10 TECHNICAL TASKS
- 11 TECHNICAL INSPECTION TASKS

2-3. Duty Position Training Requirements.

See Chapter 2 Training Guide.

2-4. Critical Tasks List.**MOS TRAINING PLAN
52C13****CRITICAL TASKS**

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 1					
1. REFRIGERATION UNIT TASKS	091-52C-2001	Correct Malfunction of Instrument Control Panel on a Refrigeration Unit	AIT	AN	1/2
	091-52C-2002	Correct Malfunction of Fan and Drive Assembly on a Refrigeration Unit	AIT	AN	1/2
	091-52C-2003	Correct Malfunction of Refrigerant Piping and Valves on a Refrigeration Unit	AIT	AN	1/2
	091-52C-2004	Correct Malfunction of Compressor Assembly on a Refrigeration Unit	AIT	AN	1/2
	091-52C-2005	Correct Malfunction of Electric Motors on a Refrigeration Unit	AIT	AN	1/2
2. AIR CONDITIONER TASKS	091-52C-2009	Correct Malfunction of Evaporator Fan Assembly on an Air Conditioner	AIT	AN	1/2
	091-52C-2011	Correct Malfunction of Junction Box Assembly on an Air Conditioner	AIT	AN	1/2
	091-52C-2012	Correct Malfunction of Wiring Harness on an Air Conditioner	AIT	AN	1/2
	091-52C-2014	Correct Malfunction of Control Module on an Air Conditioner	AIT	AN	1/2
	091-52C-2019	Correct Malfunction of Compressor on an Air Conditioner	AIT	AN	1/2
	091-52C-2021	Replace Tubing/Fitting on an Air Conditioner	AIT	AN	1/2
	091-52C-2080	Correct Malfunction of Condenser/Evaporator on an Air Conditioner	AIT	AN	1/2
	091-52C-2081	Correct Malfunction of Solenoid Valves on an Air Conditioner	AIT	AN	1/2
3. RECOVERY AND RECYCLING TASKS	091-52C-2023	Perform Refrigerant Recovery	AIT	AN	1/2
	091-52C-2024	Perform Refrigerant Recycling	AIT	AN	1/2

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
4. HEATER TASKS	091-52C-2030	Correct Malfunction of Fuel System on a Heater	AIT	AN	1/2
	091-52C-2031	Correct Malfunction of Electrical System on a Heater	AIT	AN	1/2
	091-52C-2033	Correct Malfunction of Burner Assembly on a Heater	AIT	AN	1/2
5. RECHARGER, FIRE EXTINGUISHER (HALON) TASKS	091-52C-2073	Operate the Halon Recovery / Recharger Unit.	AIT	AN	1/2
	091-52C-2074	Inspect Halon Fire Extinguisher (Valve and Cylinder).	AIT	AN	1/2
6. PREVENTIVE MAINTENANCE , CHECKS AND SERVICE TASKS	091-52C-2075	Perform Preventive Maintenance Checks and Services on Ground Support Equipment	AIT	AN	1/2
7. AUTOMOTIVE AIR CONDITIONING (A/C) SYSTEMS TASKS	091-52C-2082	Maintain an Automotive Air Conditioning (A/C) System.	AIT	SA	1/2
Skill Level 2					
8. AIR CONDITIONER TASKS	091-52C-2008	Replace Panels/Filters on Air Conditioners	UNIT	AN	1/2
	091-52C-2016	Correct Malfunction of Service Valve on an Air Conditioner	UNIT	AN	1/2
9. BOTTLE CLEANING AND CHARGING STATION (BC/CS) TASKS	091-52C-2037	Operate Bottle Cleaning and Charging Station (BC/CS)	UNIT	AN	1/2
	091-52C-2038	Correct Malfunction of Air Purification System on a Bottle Cleaning and Charging Station (BC/CS)	UNIT	AN	2
	091-52C-2039	Correct Malfunction of Bottle Charging Stand on a Bottle Cleaning and Charging Station (BC/CS)	UNIT	AN	2

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-52C-2040	Correct Malfunction of Cleaning Station Air System on a Bottle Cleaning and Charging Station (BC/CS)	UNIT	AN	2
	091-52C-2041	Correct Malfunction of Cleaning Station Water System on a Bottle Cleaning and Charging Station (BC/CS)	UNIT	AN	2
	091-52C-2042	Correct Malfunction of Compressor and Motor Assembly on a Bottle Cleaning and Charging Station (BC/CS)	UNIT	AN	2
	091-52C-2043	Correct Malfunction of Purity Monitor on a Bottle Cleaning and Charging Station (BC/CS)	UNIT	AN	2
	091-52C-2044	Correct Malfunction of Sealer Assembly on a Bottle Cleaning and Charging Station (BC/CS)	UNIT	AN	2
	091-52C-2045	Correct Malfunction of Sonic Cleaner on a Bottle Cleaning and Charging Station (BC/CS)	UNIT	AN	2
10. RECHARGER, FIRE EXTINGUISHER (HALON) TASKS	091-52C-2078	Operate Compressor, Air Reciprocating, 15 CFM on a Halon Recovery/Recharger Unit	UNIT	AN	1/2
Skill Level 3					
11. COMMON LOGISTICS TASKS	091-CLT-3001	Manage a Shop Safety Program	BNCOC	AN	3
	091-CLT-3002	Maintain a Publications Library	BNCOC	AN	3
	091-CLT-3003	Establish Maintenance Facilities	BNCOC	AN	3
	091-CLT-3004	Assist in Preparing a Standing Operating Procedure	BNCOC	AN	3
	091-CLT-3005	Manage Tool Control Procedures	BNCOC	AN	3
	091-CLT-3006	Manage Key Control Procedures	BNCOC	AN	3
	091-CLT-3007	Manage the TMDE Calibration Program	BNCOC	AN	3
	091-CLT-3008	Recon Terrain/Route	BNCOC	AN	3
	091-CLT-3009	Supervise Maintenance Operations	BNCOC	AN	3
	091-CLT-3010	Interpret Maintenance Operational Overlay	BNCOC	AN	3
	091-CLT-3011	Deploy Maintenance Support Teams	BNCOC	AN	3
	091-CLT-3012	Manage the Standard Army Maintenance	BNCOC	AN	3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
		System (SAMS)			
	091-CLT-3013	Manage the Unit Level Logistics System (ULLS)	BNCOC	AN	3
	091-CLT-3015	Deploy Company Maintenance Team/Recovery Support Team	BNCOC	AN	3
	091-CLT-3016	Review the Army Materiel Status System (AMSS) Reports	BNCOC	AN	3
12. TECHNICAL TASKS	091-52C-3001	Perform Maintenance of the Compressor Assembly on a Refrigeration Unit	BNCOC	AN	3
	091-52C-3007	Troubleshoot the Electrical System on a Recovery and Recycling Unit	BNCOC	AN	3
	091-52C-3008	Troubleshoot the Fuel System on a Heater	BNCOC	AN	3
	091-52C-3009	Troubleshoot the Electrical System on a Heater	BNCOC	AN	3
	091-52C-3010	Troubleshoot the Mechanical System on a Heater	BNCOC	AN	3
	091-52C-3011	Troubleshoot the Air Purification System on a Bottle Cleaning and Charging Station	BNCOC	AN	3
	091-52C-3012	Troubleshoot the Cleaning System on a Bottle Cleaning and Charging Station	BNCOC	AN	3
	091-52C-3013	Troubleshoot the Charging Station on a Bottle Cleaning and Charging Station	BNCOC	AN	3
	091-52C-3014	Troubleshoot the Compressor on a Bottle Cleaning and Charging Station	BNCOC	AN	3
	091-52C-3015	Troubleshoot the Motor Assemblies on a Bottle Cleaning and Charging Station	BNCOC	AN	3
	091-52C-3016	Troubleshoot the Electrical System on a Bottle Cleaning and Charging Station	BNCOC	AN	3
	091-52C-3017	Troubleshoot the Packaging System on a Bottle Cleaning and Charging Station	BNCOC	AN	3
	091-52C-3023	Perform Maintenance of the Pump Assembly on a 350 GPM Pump	BNCOC	AN	3
	091-52C-3024	Troubleshoot Electrical System on the 350 GPM Pump	BNCOC	AN	3
	091-52C-3025	Troubleshoot Electrical System on a Smoke Generator	BNCOC	AN	3
	091-52C-3026	Perform Maintenance of the Fog Oil System on a Smoke Generator	BNCOC	AN	3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-52C-3027	Perform Maintenance of the Air System on a Smoke Generator	BNCOC	AN	3
	091-52C-3028	Troubleshoot the Fuel System on a Smoke Generator	BNCOC	AN	3
	091-52C-3029	Perform Maintenance of the Pulse Jet Engine System on a Smoke Generator	BNCOC	AN	3
	091-52C-3030	Troubleshoot Electrical System on a 12 CFM ABC-M7A1 Filter Unit	BNCOC	AN	3
	091-52C-3035	Perform Maintenance of the Washer Assembly on a Laundry Unit	BNCOC	AN	3
	091-52C-3037	Perform Maintenance of the Air Compressor Assembly on a Laundry Unit	BNCOC	AN	3
	091-52C-3038	Perform Maintenance of the Extractor Assembly on a Laundry Unit	BNCOC	AN	3
	091-52C-3039	Perform Maintenance of the Water Heater Assembly on a Laundry Unit/Bath Unit	BNCOC	AN	3
	091-52C-3040	Perform Maintenance of the Dryer Tumbler Assembly on a Laundry Unit	BNCOC	AN	3
	091-52C-3041	Perform Maintenance of the Water Pump and Motor Assembly on a Laundry Unit/Bath Unit	BNCOC	AN	3
	091-52C-3044	Perform Maintenance of the Burner on an M-17 Decontaminating Apparatus	BNCOC	AN	3
	091-52C-3045	Troubleshoot Electrical System on the M-17 Decontaminating Apparatus	BNCOC	AN	3
	091-52C-3046	Perform Maintenance of the Water Pump Assembly on an M-17 Decontaminating Apparatus	BNCOC	AN	3
	091-52C-3053	Perform Maintenance of the Water System on a Reverse Osmosis Water Purification Unit	BNCOC	AN	3
	091-52C-3054	Perform Maintenance of the Water Purification Air System on a Reverse Water Purification Unit	BNCOC	AN	3
	091-52C-3055	Troubleshoot the Electrical System on a Reverse Osmosis Water Purification Unit	BNCOC	AN	3
	091-52C-3056	Perform Maintenance of the Water Distribution System on a Reverse Osmosis Water Purification Unit	UNIT	AN	3
	091-52C-3062	Troubleshoot Vapor System on a Refrigeration Unit/Air Conditioner	BNCOC	AN	3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-52C-3063	Troubleshoot Electrical System on a Refrigeration Unit/Air Conditioner	BNCOC	AN	3
	091-52C-3064	Troubleshoot Mechanical System on a Refrigeration Unit	BNCOC	AN	3
	091-52C-3065	Troubleshoot the Compressor, Air Reciprocating, 15 CFM on a Halon Recovery/Recharger Unit	BNCOC	AN	3
	091-52C-3066	Troubleshoot the Halon Recovery/Recharger Unit	BNCOC	AN	3
	091-52C-3068	Perform Maintenance on the Engine Assembly on a 350 GPM Pump	BNCOC	AN	3
	091-52C-3069	Troubleshoot The Control Module On The M56/M58 Smoke Generator	BNCOC	AN	3
	091-52C-3070	Troubleshoot the Power Module On the M56/M58 Smoke Generator	BNCOC	AN	3
	091-52C-3071	Troubleshoot the Visual Module on the M56/M58 Smoke Generator	BNCOC	AN	3
	091-52C-3072	Troubleshoot The Infrared (IR) Module on the M56/M58 Smoke Generator	BNCOC	AN	3
	091-52C-3073	Troubleshoot Control Panel on the M-17 Decontaminating apparatus	BNCOC	AN	3
	091-52C-3074	Perform Maintenance of the Fuel System on an M12A1 Decontaminating Apparatus	BNCOC	AN	3
	091-52C-3075	Perform Maintenance of the Boiler Assembly on an M12A1 Decontaminating Apparatus	BNCOC	AN	3
	091-52C-3076	Perform Maintenance of the Water Assembly on an M12A1 Decontaminating Apparatus	BNCOC	AN	3
	091-52C-3077	Perform Maintenance of the Reverse Osmosis Pump on a 600 GPH ROWPU	BNCOC	AN	3
	091-52C-3078	Perform Maintenance of the High Pressure Pump Assembly on a 3000 GPH ROWPU	BNCOC	AN	3
	091-52C-3079	Troubleshoot The Mechanical Systems On The M116A2 Steam Cleaner	BNCOC	AN	3
	091-52C-3080	Troubleshoot The Fuel System On The M116A2 Steam Cleaner	BNCOC	AN	3
	091-52C-3081	Troubleshoot the Air System on the M116A2 Steam Cleaner	BNCOC	AN	3
	091-52C-3082	Troubleshoot the Mechanical Systems on the M116A2 Steam Cleaner	BNCOC	AN	3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	091-52C-3083	Troubleshoot the Water Pump System on the M116A2 Steam Cleaner	BNCOC	AN	3
13. TECHNICAL INSPECTION TASKS	091-52C-3084	Perform a Quality Control/Quality Assurance Inspection of Ground Support Equipment	BNCOC	AN	3
	091-52C-3085	Perform Classification Inspection of Ground Support Equipment	BNCOC	AN	3

CHAPTER 3
MOS/Skill Level Tasks

Skill Level 1

Subject Area 1: REFRIGERATION UNIT TASKS

Correct Malfunction of Instrument Control Panel on a Refrigeration Unit
091-52C-2001

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on inspection.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Serviced refrigeration unit instrument control panel components.	—	—
5. Inspected the instrument control panel and determined serviceability/malfunction(s).	—	—
6. Adjusted refrigeration unit instrument control panel components.	—	—
7. Repaired refrigeration unit instrument control panel components.	—	—
8. Replaced refrigeration unit instrument control panel components.	—	—
9. Performed a final operational test.	—	—
10. Completed TAMMS forms as required.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

DA FORM 5988-E
TM 10-4130-237-14
TM 5-4110-236-14
TM 5-4110-238-14
TM 9-4110-256-14

Related

DA FORM 2404
MOD REFRIG/AIR COND MAN
TM 11-6625-3052-14

**Correct Malfunction of Fan and Drive Assembly on a Refrigeration Unit
091-52C-2002**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on inspection.	—	—
3. Serviced refrigeration unit fan and drive assembly components.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Adjusted refrigeration unit fan and drive assembly components.	—	—
6. Inspected the fan and drive assembly and determined serviceability/malfunction(s).	—	—
7. Repaired refrigeration unit fan and drive assembly components.	—	—
8. Replaced refrigeration unit fan and drive assembly components.	—	—
9. Performed a final operational test.	—	—
10. Completed TAMMS forms as required.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- TM 10-4130-237-14
- TM 5-4110-236-14
- TM 5-4110-238-14
- TM 9-4110-256-14

Related

- DA FORM 2404
- MOD REFRIG/AIR COND MAN
- TM 11-6625-3052-14

**Correct Malfunction of Refrigerant Piping and Valves on a Refrigeration Unit
091-52C-2003**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on inspection.	—	—
3. Selected and used applicable tools, equipment, and TMDE.	—	—
4. Serviced the refrigeration unit refrigerant piping and valves.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Adjusted the refrigeration unit refrigerant valves.	—	—
7. Repaired the refrigeration unit refrigerant piping and valves.	—	—
8. Replaced the refrigeration unit refrigerant piping and valves.	—	—
9. Performed a final operational test.	—	—
10. Completed TAMMS forms as required.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- TM 10-4130-237-14
- TM 5-4110-236-14
- TM 5-4110-238-14
- TM 9-4110-256-14

Related

- DA FORM 2404
- MOD REFRIG/AIR COND MAN
- TM 11-6625-3052-14

**Correct Malfunction of Compressor Assembly on a Refrigeration Unit
091-52C-2004**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on inspection.	—	—
3. Selected and used applicable tools, equipment, and TMDE.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Serviced refrigeration unit compressor assembly components.	—	—
6. Adjusted refrigeration unit compressor assembly components.	—	—
7. Repaired refrigeration unit compressor assembly components.	—	—
8. Replaced refrigeration unit compressor assembly components.	—	—
9. Performed a final operational test.	—	—
10. Completed TAMMS forms as required.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- MOD REFRIG/AIR COND MAN
- TM 10-4130-237-14
- TM 11-6625-3052-14
- TM 5-4110-236-14
- TM 5-4110-238-14
- TM 9-4110-256-14

Related

- DA FORM 2404

**Correct Malfunction of Electric Motors on a Refrigeration Unit
091-52C-2005**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Selected and used applicable tools, equipment, and TMDE.	—	—
3. Determined serviceability based on inspection.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Serviced the refrigeration unit electric motor.	—	—
6. Inspected the electric motor and determined serviceability/malfunction(s).	—	—
7. Adjusted the refrigeration unit electric motor.	—	—
8. Repaired the refrigeration unit electric motor.	—	—
9. Replaced the refrigeration unit electric motor	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—

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

References

Required

DA FORM 5988-E
 MOD REFRIG/AIR COND MAN
 TM 10-4130-237-14
 TM 11-6625-3052-14
 TM 5-4110-236-14
 TM 9-4110-256-14

Related

DA FORM 2404

Subject Area 2: AIR CONDITIONER TASKS

**Correct Malfunction of Evaporator Fan Assembly on an Air Conditioner
091-52C-2009**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and used applicable tools, equipment, and TMDE.	—	—
4. Serviced the air conditioner evaporator fan assembly.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Adjusted the air conditioner evaporator fan components.	—	—
7. Repaired the air conditioner evaporator fan components.	—	—
8. Replaced the air conditioner evaporator fan components.	—	—
9. Performed a final operational test.	—	—
10. Completed TAMMS forms as required.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- MOD REFRIG/AIR COND MAN
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- DA FORM 5988-E
- TM 11-6625-3052-14
- TM 9-4120-389-24P

**Correct Malfunction of Junction Box Assembly on an Air Conditioner
091-52C-2011**

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

Standards: Performed task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and used applicable tools, equipment, and TMDE.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Serviced the air conditioner junction box assembly.	—	—
6. Adjusted the air conditioner junction box components.	—	—
7. Repaired the air conditioner junction box components.	—	—
8. Replaced the air conditioner junction box components.	—	—
9. Performed a final operational test.	—	—
10. Completed TAMMS forms as required.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- DA FORM 5988-E
- MOD REFRIG/AIR COND MAN
- TM 11-6625-3052-14
- TM 9-4120-389-24P

**Correct Malfunction of Wiring Harness on an Air Conditioner
091-52C-2012**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected applicable tools, equipment, and TMDE.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Serviced the air conditioner wiring harness.	—	—
6. Repaired the air conditioner wiring harness.	—	—
7. Replaced the air conditioner wiring harness.	—	—
8. Performed a final operational test.	—	—
9. Completed TAMMS forms as required.	—	—
10. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- TM 11-6625-3052-14
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- TM 9-4120-389-24P

**Correct Malfunction of Control Module on an Air Conditioner
091-52C-2014**

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

Standards: Performed task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and use applicable tools, equipment, and TMDE.	—	—
4. Serviced the air conditioner control module.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Adjusted the air conditioner control module.	—	—
7. Repaired the air conditioner control module.	—	—
8. Replaced the air conditioner control module.	—	—
9. Performed a final operational test.	—	—
10. Completed TAMMS forms as required.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- TM 11-6625-3052-14
- TM 9-4120-389-24P

**Correct Malfunction of Condenser/Evaporator on an Air Conditioner
091-52C-2080**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and use applicable tools, equipment, and TMDE.	—	—
4. Serviced the air conditioner condenser components.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Adjusted the air conditioner condenser components.	—	—
7. Repaired the air conditioner condenser components.	—	—
8. Replaced the air conditioner condenser components.	—	—
9. Performed a final operational test.	—	—
10. Completed TAMMS forms as required.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- TM 11-6625-3052-14
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- MOD REFRIG/AIR COND MAN
- TM 9-4120-389-24P

**Correct Malfunction of Solenoid Valves on an Air Conditioner
091-52C-2081**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and use applicable tools, equipment, and TMDE.	—	—
4. Serviced air conditioner pressure switches / solenoid valves.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Adjusted air conditioner pressure switches / solenoid valves.	—	—
7. Repaired air conditioner pressure switches / solenoid valves.	—	—
8. Replaced air conditioner pressure switches / solenoid valves.	—	—
9. Performed a final operational test.	—	—
10. Completed TAMMS forms as required.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- MOD REFRIG/AIR COND MAN
- TM 11-6625-3052-14
- TM 9-4120-389-24P

**Correct Malfunction of Compressor on an Air Conditioner
091-52C-2019**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and used applicable tools, equipment, and TMDE.	—	—
4. Serviced the air conditioner compressor.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Repaired the air conditioner compressor.	—	—
7. Replaced the air conditioner compressor.	—	—
8. Performed a final operational test.	—	—
9. Completed TAMMS forms as required.	—	—
10. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- MOD REFRIG/AIR COND MAN
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- TM 11-6625-3052-14
- TM 9-4120-389-24P

**Replace Tubing/Fitting on an Air Conditioner
091-52C-2021**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and used applicable tools, equipment, and TMDE.	—	—
4. Removed the air conditioner tubing / fittings.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Repaired the air conditioner tubing / fittings.	—	—
7. Replaced the air conditioner tubing / fittings	—	—
8. Performed a final operational test.	—	—
9. Completed TAMMS forms as required.	—	—
10. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- MOD REFRIG/AIR COND MAN
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- TM 9-4120-389-24P

Subject Area 3: RECOVERY AND RECYCLING TASKS

Perform Refrigerant Recovery
091-52C-2023

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Hooked-up the recovery unit to the air conditioner.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Inspected the refrigerant recovery/recycling unit and determined serviceability.	—	—
6. Observed all safety precaution.	—	—
7. Started the recovery process.	—	—
8. Shut down the unit when the recovery process was completed.	—	—
9. Disconnected the recovery unit from the air conditioner.	—	—
10. Completed TAMMS forms as required.	—	—
11. Performed a final test/inspection to verify serviceability.	—	—
12. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- 17500B
- DA FORM 5988-E
- TM 5-4110-236-14
- TM 5-4110-238-14
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-377-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4110-256-14
- TM 9-4120-371-14
- TM 9-4120-378-14

Related

- DA FORM 2404
- MOD REFRIG/AIR COND MAN
- TM 9-4120-389-24P

References

Required

TM 9-4120-385-14

TM 9-4120-389-14

Related

**Perform Refrigerant Recycling
091-52C-2024**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Hooked-up the recovery unit to the air conditioner.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Inspected the refrigerant recovery/recycling unit and determined serviceability.	—	—
6. Observed all safety precaution.	—	—
7. Started the recovery process.	—	—
8. Shut down the unit when the recovery process was completed.	—	—
9. Disconnected the recovery unit from the air conditioner.	—	—
10. Completed TAMMS forms as required.	—	—
11. Performed a final test/inspection to verify serviceability.	—	—
12. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- 17500B
- DA FORM 5988-E
- TM 5-4110-236-14
- TM 5-4110-238-14
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-377-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4110-256-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- DA FORM 2404
- MOD REFRIG/AIR COND MAN
- TM 9-4120-389-24P

Subject Area 5: HEATER TASKS

**Correct Malfunction of Fuel System on a Heater
091-52C-2030**

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

Standards: Inspected, tested, serviced the heater fuel system and adjusted or replaced components IAW applicable corrective action on applicable forms. When this task was completed, the heater must be fully mission- capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Selected and used applicable tools, equipment, and TMDE.	—	—
3. Determined serviceability based on an inspection.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Serviced the heater fuel system components.	—	—
6. Tested the heater fuel system components.	—	—
7. Adjusted the heater fuel system components.	—	—
8. Repaired the heater fuel system components.	—	—
9. Replaced the heater fuel system components.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

TM 5-4520-253-13
TM 5-4520-253-23P

Related

TM 11-6625-3052-14

**Correct Malfunction of Electrical System on a Heater
091-52C-2031**

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

Standards: Inspected, tested, serviced the heater electrical system and adjusted or replaced components IAW applicable corrective action on applicable forms. When this task was completed, the heater electrical system must be fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Serviced the heater electrical system components.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Tested the heater electrical system components.	—	—
6. Inspected the heater electrical system and determined malfunction(s).	—	—
7. Adjusted the heater electrical system components.	—	—
8. Repaired the heater electrical system components.	—	—
9. Replaced the heater electrical system components.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

TM 5-4520-253-13

TM 5-4520-253-23P

Related

TM 11-6625-3052-14

**Correct Malfunction of Burner Assembly on a Heater
091-52C-2033**

Conditions: In a field/garrison environment, given a 60,000 BTU space heater, multimeter, flat tip screwdriver, maintenance request or equipment inspection worksheet describing equipment malfunctions, additional tools, equipment specified in TMs, repair parts, applicable maintenance forms and technical publications, and supervision/assistance.

Standards: Corrected malfunction of burner assembly on a heater IAW applicable technical publications. When the task was completed, the heater was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable technical publications.	—	—
2. Selected and used applicable tools, equipment, and TMDE.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Inspected the heater burn assembly and determined malfunction(s).	—	—
5. Serviced the heater burner assembly components.	—	—
6. Tested the heater burner assembly components.	—	—
7. Adjusted the heater burner assembly components.	—	—
8. Repaired/replaced the heater burner assembly components as required.	—	—
9. Performed a final test/inspection to verify fault(s) were corrected.	—	—
10. Annotated corrective actions taken on the DA Form 5988-E.	—	—
11. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

TM 5-4520-253-13
TM 5-4520-253-23P

Related

TM 11-6625-3052-14

Subject Area 7: RECHARGER, FIRE EXTINGUISHER (HALON) TASKS

Operate the Halon Recovery / Recharger Unit.

091-52C-2073

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

Standards: The scale assembly must be inspected, tested, serviced, adjusted, or components replaced IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Use applicable publications.	—	—
2. Select and use applicable tools and equipment.	—	—
2. Determine serviceability based on an inspection.	—	—
3. Practice shop safety and maintenance discipline.	—	—
3. Test the scale assembly.	—	—
4. Adjust the scale assembly.	—	—
5. Repair the scale assembly.	—	—
6. Replace the scale assembly.	—	—
7. Perform an operational test.	—	—
8. Complete TAMMS forms as required.	—	—

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

References

Required

TM 5-4210-218-13&P

Related

DA Pam 738-750

**Inspect Halon Fire Extiguisher (Valve and Cylinder).
091-52C-2074**

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

Standards: The scale assembly must be inspected, tested, serviced, adjusted, or components replaced IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Use applicable publications.	—	—
2. Determine serviceability based on an inspection of the halon fire extinguisher (valve and cylinder).	—	—
2. Select and use applicable tools and equipment.	—	—
3. Practice shop safety and maintenance discipline.	—	—
3. Test the valve and cylinder assembly.	—	—
4. Repair the valve and cylinder assembly.	—	—
5. Replace the valve and cylinder assembly.	—	—
6. Perform an operational test.	—	—
7. Complete TAMMS forms as required.	—	—
9. Maintain tools and equipment.	—	—

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

References

Required

- TM 5-4210-218-13&P
- TM 5-4310-373-14
- TM 5-4310-373-24P

Related

Subject Area 8: PREVENTIVE MAINTENANCE, CHECKS AND SERVICE TASKS

**Perform Preventive Maintenance Checks and Services on Ground Support Equipment
091-52C-2075**

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

Standards: Soldier must perform this task in accordance with listed references, ensuring that all applicable safety precautions are followed, with supervision and minimum assistance.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use applicable technical publications.	—	—
2. Select and use applicable tools, equipment, and TMDE.	—	—
3. Practice shop safety and maintenance discipline.	—	—
4. Perform before operation checks.	—	—
5. Operate equipment.	—	—
6. Perform during operation checks.	—	—
7. Shut down equipment.	—	—
8. Perform after operation checks.	—	—
9. Perform a final test/inspection.	—	—
10. Annotate actions taken on the DA Form 5988-E.	—	—
11. Maintain tools, equipment, and TMDE.	—	—

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

References

Required

- TM 10-3510-220-10
- TM 10-4320-226-14
- TM 10-4320-343-14
- TM 10-4510-206-14
- TM 10-4610-215-10
- TM 10-4610-232-12
- TM 10-4610-239-10
- TM 3-1040-285-10
- TM 3-4230-209-10
- TM 3-4240-201-13
- TM 3-4240-264-12
- TM 5-4320-237-15
- TM 5-4520-256-14
- TM 9-2805-259-14
- TM 9-4940-531-14

Related

- DA PAM 738-750
- LO 10-3510-220-12
- TM 3-1040-279-12&P

Maintain an Automotive Air Conditioning (A/C) System.

091-52C-2082

Conditions: As a utilities equipment repairer in a field environment, given service kit, refrigerant, multimeter, digital, an/psm-45a, truck, ambulance, 4 litter armed, 4x4 w/e, M997, tool kit, service refrigeration unit, general maintenance and Da Form 2404, TM 9-2320-280-10. The vehicle's air conditioning system does not cool.

Standards: Serviced the automotive air conditioner system IAW applicable technical references. When the task was completed, the A/C was fully mission capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable technical publications.	—	—
2. Selected and used applicable tools and equipment.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Inspected automotive air conditioner system and determined serviceability/malfunction(s).	—	—
5. Discharged the automotive A/C System.	—	—
6. Flushed the automotive A/C system.	—	—
7. Evacuated the automotive A/C system.	—	—
8. Replaced dryer bottle of automotive A/C system.	—	—
9. Charged the automotive A/C system.	—	—
10. Performed a final test/inspection to verify fault(s) were corrected.	—	—
11. Annotated corrective actions taken on DA form 2404 or 5988-E.	—	—
12. Maintained tools and equipment.	—	—

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

References

Required

- DA FORM 2404
- MOD REFRIG/AIR COND MAN
- TM 9-2320-280-10
- TM 9-2320-280-20-1
- TM 9-2320-280-20-2
- TM 9-2320-280-20-3
- TM 9-2320-280-24P-1
- TM 9-2320-280-24P-2
- TM 9-2320-280-34

Related

- TM 9-2320-280-34

Skill Level 2

Subject Area 2: AIR CONDITIONER TASKS

Replace Panels/Filters on Air Conditioners

091-52C-2008

Conditions: In a field or garrison environment, given an air conditioning unit, refrigeration and air conditioning tool kit, maintenance request or equipment inspection worksheet describing equipment malfunctions, additional tools, equipment specified in TMs, repair parts, applicable maintenance forms and technical publications, and supervisor/assistance.

Standards: Replaced panels/filters on an air conditioner IAW applicable technical publications. When the task was completed, the air conditioner was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable technical publications.	—	—
2. Selected and used applicable tools and equipment.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Inspected panels and filters and determined serviceability/malfunction(s).	—	—
5. Removed panels and filters as required.	—	—
6. Repaired/replaced panels and filters as required.	—	—
7. Reinstalled panels and filters as required.	—	—
8. Performed a final test/inspection to verify fault(s) were corrected.	—	—
9. Annotated corrective actions taken on DA Form 2404 or 5988-E.	—	—
10. Maintained tools and equipment.	—	—

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

References

Required

- DA FORM 5988-E
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- DA FORM 2404
- TM 9-4120-389-24P

**Correct Malfunction of Service Valve on an Air Conditioner
091-52C-2016**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and use applicable tools, equipment, and TMDE.	—	—
4. Serviced the air conditioner service valve.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Repaired the air conditioner service valve.	—	—
7. Replaced the air conditioner service valve.	—	—
8. Performed a final operational test.	—	—
9. Completed TAMMS forms as required.	—	—
10. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

- DA FORM 5988-E
- TM 11-6625-3052-14
- TM 5-4120-285-15
- TM 5-4120-339-14
- TM 5-4120-359-14
- TM 5-4120-384-14
- TM 5-4120-386-14
- TM 5-4120-393-14
- TM 9-4120-371-14
- TM 9-4120-378-14
- TM 9-4120-385-14
- TM 9-4120-389-14

Related

- MOD REFRIG/AIR COND MAN
- TM 9-4120-389-24P

Subject Area 6: BOTTLE CLEANING AND CHARGING STATION (BC/CS) TASKS

**Operate Bottle Cleaning and Charging Station (BC/CS)
091-52C-2037**

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

Standards: Inspected, prepared for operation, and operated the BC/CS to clean, charge, and package coolant bottles IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Prepared the BC/CS for operation.	—	—
4. Practiced shop safety and maintenance discipline.	—	—
5. Operated the BC/CS to charge a coolant bottle.	—	—
6. Shut down the BC/CS.	—	—
7. Completed TAMMS forms as required.	—	—
8. Maintained tools and equipment.	—	—

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

References

Required

TM 9-5855-252-12

Related

TM 9-5855-252-24P

TM 9-5855-252-34

**Correct Malfunction of Air Purification System on a Bottle Cleaning and Charging Station (BC/CS)
091-52C-2038**

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

Standards: Inspected, prepared for operation, and operated the air purification system IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and used applicable tools and equipment.	—	—
4. Serviced the air purification system on a BC/CS.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Tested the air purification system components on a BC/CS.	—	—
7. Adjusted the air purification system components on a BC/CS.	—	—
8. Repaired the air purification system components on a BC/CS.	—	—
9. Replaced the air purification system components on a BC/CS.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools and equipment.	—	—

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

References

Required

TM 9-5855-252-12
TM 9-5855-252-34

Related

TM 11-6625-3052-14
TM 9-5855-252-24P

**Correct Malfunction of Bottle Charging Stand on a Bottle Cleaning and Charging Station (BC/CS)
091-52C-2039**

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

Standards: Inspected, prepared for operation, and operated IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and used applicable tools and equipment.	—	—
4. Serviced the bottle charging stand on a BC/CS.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Tested the bottle charging stand on a BC/CS.	—	—
7. Adjusted the bottle charging stand on a BC/CS.	—	—
8. Repaired the bottle charging stand on a BC/CS.	—	—
9. Replaced the bottle charging stand on a BC/CS.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools and equipment.	—	—

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

References

Required

TM 9-5855-252-12
TM 9-5855-252-34

Related

TM 9-5855-252-24P

**Correct Malfunction of Cleaning Station Air System on a Bottle Cleaning and Charging Station
(BC/CS)**

091-52C-2040

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

Standards: Inspected, prepared for operation, and operated the cleaning station air system IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and use applicable tools and equipment.	—	—
4. Serviced the cleaning station air system on a BC/CS.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Tested the cleaning station air system on a BC/CS.	—	—
7. Adjusted the cleaning station air system components on a BC/CS.	—	—
8. Repaired the cleaning station air system components on a BC/CS.	—	—
9. Replaced the cleaning station air system components on a BC/CS.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools and equipment.	—	—

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

References

Required

TM 9-5855-252-12

TM 9-5855-252-34

Related

TM 11-6625-3052-14

TM 9-5855-252-24P

Correct Malfunction of Cleaning Station Water System on a Bottle Cleaning and Charging Station (BC/CS)

091-52C-2041

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

Standards: Inspected, prepared for operation, and operated the cleaning station water system IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and use applicable tools, equipment, and TMDE.	—	—
4. Serviced the cleaning station water system on a BC/CS.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Tested the cleaning station water system components on a BC/CS.	—	—
7. Adjusted the cleaning station water system on a BC/CS.	—	—
8. Repaired the cleaning station water system components on a BC/CS.	—	—
9. Replaced the cleaning station water system components on a BC/CS.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools and equipment.	—	—

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

References

Required

TM 9-5855-252-12

TM 9-5855-252-34

Related

TM 11-6625-3052-14

TM 9-5855-252-24P

**Correct Malfunction of Compressor and Motor Assembly on a Bottle Cleaning and Charging Station (BC/CS)
091-52C-2042**

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

Standards: Inspected, prepared for operation, and operated the compressor and motor assembly IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Selected and use applicable tools, equipment, and TMDE.	—	—
3. Determined serviceability based on an inspection.	—	—
4. Serviced the compressor and motor on a BC/CS.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Tested the compressor and motor components on a BC/CS.	—	—
7. Adjusted the compressor and motor components on a BC/CS.	—	—
8. Repaired the compressor and motor components on a BC/CS.	—	—
9. Replaced the compressor and motor components on a BC/CS.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

TM 9-5855-252-12

TM 9-5855-252-34

Related

TM 11-6625-3052-14

TM 9-5855-252-24P

**Correct Malfunction of Purity Monitor on a Bottle Cleaning and Charging Station (BC/CS)
091-52C-2043**

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

Standards: Inspected, prepared for operation, and operated the purity monitor IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and use applicable tools, equipment, and TMDE.	—	—
4. Serviced the purity monitor on a BC/CS.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Tested the purity monitor on a BC/CS.	—	—
7. Adjusted the purity monitor on a BC/CS.	—	—
8. Repaired the purity monitor on a BC/CS.	—	—
9. Replaced the purity monitor on a BC/CS.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools, equipment, and TMDE	—	—

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

References

Required

TM 9-5855-252-12
TM 9-5855-252-34

Related

TM 11-6625-3052-14
TM 9-5855-252-24P

**Correct Malfunction of Sealer Assembly on a Bottle Cleaning and Charging Station (BC/CS)
091-52C-2044**

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

Standards: Inspected, prepared for operation, and operated the sealer assembly IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on an inspection.	—	—
3. Selected and used applicable tools, equipment, and TMDE.	—	—
4. Serviced the sealer assembly on a BC/CS.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Tested the sealer assembly on a BC/CS.	—	—
7. Adjusted the sealer assembly on a BC/CS.	—	—
8. Repaired the sealer assembly on a BC/CS.	—	—
9. Replaced the sealer assembly on a BC/CS.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

TM 9-5855-252-12
TM 9-5855-252-34

Related

TM 9-5855-252-24P

**Correct Malfunction of Sonic Cleaner on a Bottle Cleaning and Charging Station (BC/CS)
091-52C-2045**

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

Standards: Inspected, prepared for operation, and operated the BC/CS to clean, charge, and package coolant bottles, IAW applicable technical publication procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Used applicable publications.	—	—
2. Determined serviceability based on inspection.	—	—
3. Selected and used applicable tools, equipment, and TMDE.	—	—
4. Serviced sonic cleaner on a BC/CS.	—	—
5. Practiced shop safety and maintenance discipline.	—	—
6. Tested sonic cleaner on a BC/CS.	—	—
7. Adjusted sonic cleaner on a BC/CS.	—	—
8. Repaired sonic cleaner on a BC/CS.	—	—
9. Replaced sonic cleaner on a BC/CS.	—	—
10. Performed a final operational test.	—	—
11. Completed TAMMS forms as required.	—	—
12. Maintained tools, equipment, and TMDE.	—	—

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

References

Required

TM 9-5855-252-12
TM 9-5855-252-34

Related

TM 11-6625-3052-14
TM 9-5855-252-24P

Subject Area 7: RECHARGER, FIRE EXTINGUISHER (HALON) TASKS

**Operate Compressor, Air Reciprocating, 15 CFM on a Halon Recovery/Recharger Unit
091-52C-2078**

Conditions: In a field or garrison environment, given a halon recovery/recharger system, additional tools, applicable maintenance forms and technical publications, and supervision/assistance.

Standards: Operated compressor, air reciprocating, 15CFM on a halon recovery/recharger unit IAW applicable technical publications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Selected and used applicable technical publications.	—	—
2. Selected and used applicable tools and equipment.	—	—
3. Practiced shop safety and maintenance discipline.	—	—
4. Inspected compressor, air reciprocating and determined serviceability.	—	—
5. Serviced compressor, air reciprocating.	—	—
6. Performed preoperational checks.	—	—
7. Operated compressor, air reciprocating.	—	—
8. Annotated actions taken on DA Form 5988-E.	—	—
9. Maintained tools and equipment.	—	—

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

References

Required

- TM 5-4210-218-13&P
- TM 5-4310-373-14
- TM 5-4310-373-24P

Related

Skill Level 3

Subject Area 9: COMMON LOGISTICS TASKS

Manage a Shop Safety Program

091-CLT-3001

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

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

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

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

References

Required

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

Related

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

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

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

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

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

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

References

Required

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

Related

AR 25-11

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

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

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

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

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

References

Required

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

Related

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

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

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

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

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

References

Required

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

Related

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

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

Standards: Managed tool control procedures IAW applicable references.

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

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

References

Required

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

Related

- DA PAM 738-750

Manage Key Control Procedures
091-CLT-3006

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

Standards: Managed key control procedures IAW applicable references.

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

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

References

- Required**
- AR 190-13
- AR 190-51

Related

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

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

Standards: Managed the TMDE calibration program IAW applicable references.

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

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

References

Required
AR 750-43
TB 43-180

Related

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

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

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

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

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

References

Required

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

Related

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

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

Standards: Established and maintained an effective maintenance shop operation IAW SOPs and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed unit SOP as scheduled	—	—
2. Compared unit SOP against standards set in 750-35-35 (Aug 94), Pg.	—	—
3. Completed regular inspection of unit operations.	—	—
4. Compared unit operations against standards in AR 750-1, Da Pam 738-750 and DA 750, and DA Pam 750-35.	—	—
5. Inspect environmental protection practices for compliance.	—	—
6. Review safety program practices for compliance with AR 220-1	—	—
7. Recorded and submitted deficiencies to proper personnel for correction.	—	—
8. Recorded training needs.	—	—
9. Coordinated with appropriate personnel to provide needed training	—	—
10. Reviewed MCSR for accuracy and compliance with standards in AR 700-138, ADSM-25-L3N-AWA-EUM, and AISM -25-L3Q-AWC-ZZZ-CG	—	—
11. Coordinated with appropriate maintenance level to correct maintenance discrepancies.	—	—
12. Coordinated with TRADOC and AMC to ensure that emerging issues are addressed appropriately at the unit.	—	—

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

References

Required

- AR 190-51
- AR 385-10
- AR 385-40
- AR 385-55
- AR 600-55
- AR 700-4
- AR 710-2
- AR 725-50
- AR 735-11-1
- AR 735-5
- AR 750-43
- DA PAM 25-30
- DA PAM 710-2-2
- DA PAM 738-750

Related

References

Required

DA PAM 750-1

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

Related

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

Conditions: In a field or garrison environment, given an operational overlay, map, maintenance situation/OPORD, and applicable references.

Standards: Interpreted the maintenance operational overlay by identifying key features and elements of the area of operation IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary references and materials were available.	—	—
2. Identified mapping symbols on the operational overlay.	—	—
3. Identified key features of the map and operational overlay.	—	—
4. Identified key elements of the area of operation on the map and operational overlay.	—	—
5. Updated the operational overlay, as necessary.	—	—

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

References

Required

- FM 101-5-1
- FM 4-30.3 (FM 9-43-1)
- FM 5-170

Related

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

Conditions: In a field or garrison environment, given a request for maintenance support/maintenance situation, map, operational overlay, grid coordinates of destination, vehicle(s), equipment, maintenance personnel, and applicable references.

Standards: Deployed the maintenance support team IAW the maintenance situation/request for maintenance support and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed the request for maintenance support/maintenance situation.	—	—
2. Determined personnel and equipment requirements necessary to perform the mission.	—	—
3. Identified available resources for the support team, including personnel with applicable MOSs, vehicle(s), tools, test equipment, publications, repair parts, time, and facilities as necessary.	—	—
4. Determined requirements for defending the team.	—	—
5. Briefed the team on the mission.	—	—
a. Reviewed operational overlay.		
b. Conducted a map recon of the route and destination.		
6. Deployed the maintenance support team.	—	—

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

References

Required

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

Related

FM 101-5-1

FM 5-170

**Manage the Standard Army Maintenance System (SAMS)
091-CLT-3012**

Conditions: In a field or garrison environment, given a computer system(s) with SAMS-1 software, database of equipment files, SAMS operator, and applicable references.

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

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and publications were available.	—	—
2. Ensured SAMS operator was adequately trained.	—	—
3. Reviewed the SAMS-1 system and the flow of information to and from system interfaces.	—	—
4. Reviewed the purpose and use of SAMS-1 categories and codes.	—	—
5. Supervised the processing of maintenance requests (DA Form 2407).	—	—
6. Interpreted SAMS-1 reports to identify maintenance trends and problems. <ul style="list-style-type: none"> a. bench stock listing (AHN-023). b. shop section summary (AHN-006). c. work order detail (AHN-018). d. shop stock list (AHN-002). e. production backlog (AHN-022). f. equipment status listing (AHN-021). 	—	—
7. Requested and interpreted ad hoc reports as necessary.	—	—

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

References

Required

AIMS 18-L21-AHN-BUR-UM
AIMS 18-L26-AHO-BUR-EM
DA PAM 738-750

Related

**Manage the Unit Level Logistics System (ULLS)
091-CLT-3013**

Conditions: In a field or garrison environment, given a computer system(s) with Unit Level Logistics System-Ground (ULLS-G) software, database of equipment files, associated Army Materiel Status System (AMSS) software, ULLS operator, and applicable references.

Standards: Supervised ULLS-G functions of a unit-level maintenance shop IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary equipment and references were available.	—	—
2. Ensured ULLS operator was properly trained.	—	—
3. Reviewed the ULLS system flow of information to and from system interfaces.	—	—
4. Reviewed ULLS-G maintenance forms for accuracy.	—	—
5. Analyzed ULLS-G reports and data to identify maintenance trends and problems.	—	—
a. Document register.		
b. PLL inventory report.		
c. Zero balance report.		
d. PLL excess management report.		
e. PLL inquiry.		
f. Not mission capable (NMC) report.		
6. Analyzed AMSS reports and data to identify maintenance trends and problems.	—	—
a. AMSS Authorization Report.		
b. Projected fully mission capable (FMC) Rates Report.		
c. Equipment exception report.		
d. System status summary.		
e. Class IX failure data by administrative number.		
f. Rollup by equipment identification code (EIC).		
g. Rollup by unit identification code (UIC).		
h. Non mission capable (NMC) Report.		

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

References

Required

AR 710-2

DA PAM 710-2-1

Related

**Deploy Company Maintenance Team/Recovery Support Team
091-CLT-3015**

Conditions: In a field or garrison environment, given a request for maintenance support/maintenance situation, map, operational overlay, grid coordinates of destination, vehicle(s), equipment, maintenance personnel, and applicable references.

Standards: Deployed the company maintenance team/recovery support team IAW the maintenance situation/request for maintenance support and applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed the request for maintenance support/maintenance situation.	—	—
2. Determined personnel and equipment requirements necessary to perform the mission.	—	—
3. Identified available resources for the company maintenance team/recovery support team, including personnel with applicable MOSs, vehicle(s), tools, test equipment, publications, repair parts, time, and facilities, as necessary.	—	—
4. Determined requirements for defending the team.	—	—
5. Briefed the team on the mission:	—	—
a. Reviewed the operational overlay.		
b. Conducted a map recon of the route and destination.		
6. Deployed the maintenance support team.	—	—

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

References

Required	Related
FM 101-5-1	
FM 4-30.3 (FM 9-43-1)	
FM 5-170	

**Review the Army Materiel Status System (AMSS) Reports
091-CLT-3016**

Conditions: In a field or garrison environment, given AMSS reports produced from an ULLS-G system, and applicable references.

Standards: Analyzed AMSS reports and data to identify maintenance trends and problems IAW applicable references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured necessary ULLS equipment and references were available.	—	—
2. Analyzed AMSS reports and data to identify maintenance trends and problems.	—	—
a. AMSS authorization report.		
b. Projected FMC rates report.		
c. Equipment exception report.		
d. System status summary.		
e. Class IX failure data by administrative number.		
f. Rollup by EIC.		
g. Rollup by UIC.		
h. NMC report.		

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

References

Required

AR 710-2

DA PAM 710-2-1

Related

Subject Area 10: TECHNICAL TASKS

**Perform Maintenance of the Compressor Assembly on a Refrigeration Unit
091-52C-3001**

Conditions: Given a maintenance request or equipment inspection worksheet describing equipment malfunctions. Equipment required: tool kit, refrigeration service; refrigeration units; required testing equipment; special tools; and other equipment and materials.

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Determined maintenance action for compressor assembly on a refrigeration unit.	—	—
3. Ensured maintenance required was within shop capability/authorization.	—	—
4. Ensured proper tools and test equipment were available.	—	—
5. Identified repair parts to be requisitioned.	—	—
6. Assigned personnel to perform maintenance.	—	—
7. Ensured all safety precautions were followed.	—	—
8. Ensured maintenance procedures were IAW applicable publications.	—	—
9. Provided assistance if required.	—	—
10. Ensured operational test were performed.	—	—
11. Ensured TAMMS forms were completed, as required.	—	—
12. Ensured tools and equipment were properly maintained.	—	—
13. Critiqued personnel on work performance.	—	—
14. Conducted an in-process inspection.	—	—
15. Performed a final inspection to ensure the compressor assembly was fully mission-capable.	—	—
16. Critiqued personnel on their job performance.	—	—
17. Ensured maintenance forms were completed as required.	—	—
18. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required	Related
MOD REFRIG/AIR COND MAN	
TM 10-4130-237-14	
TM 9-4110-256-14	

**Troubleshoot the Electrical System on a Recovery and Recycling Unit
091-52C-3007**

Conditions: Given a maintenance request or equipment inspection worksheet describing equipment malfunctions. Equipment required: tool kit, refrigeration service; air conditioning unit; required safety equipment; testing equipment; special tools; and other equipment materials.

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Determined maintenance action electrical system on a recovery and recycling unit.	—	—
3. Ensured maintenance required is within shop capability/authorization.	—	—
4. Ensured proper tools and test equipment were available.	—	—
5. Identified repair parts to be requisitioned.	—	—
6. Assigned personnel to perform maintenance.	—	—
7. Ensured all safety precautions were followed.	—	—
8. Ensured maintenance procedures were IAW publications.	—	—
9. Provided assistance if required.	—	—
10. Ensured operational test was performed.	—	—
11. Ensured TAMMS forms were completed, as required.	—	—
12. Ensured tools and equipment were properly maintained.	—	—
13. Provided assistance when necessary.	—	—
14. Critiqued personnel on work performance.	—	—
15. Ensured the electrical system was repaired IAW appropriate technical manuals and references.	—	—
16. Conducted an in-process inspection.	—	—
17. Performed a final inspection to ensure the electrical system was fully mission-capable.	—	—
18. Critiqued personnel on their job performance.	—	—
19. Ensured maintenance forms were completed as required.	—	—
20. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 9-4110-256-14

Related

MOD REFRIG/AIR COND MAN

Troubleshoot the Fuel System on a Heater
091-52C-3008

Conditions: Given a maintenance request or equipment inspection worksheet describing equipment malfunctions. Equipment required: tool kit; portable forced air heaters; required safety equipment; required testing equipment; special tools, and other additional equipment and materials.

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Determined maintenance action in the fuel system on a heater.	—	—
3. Ensured maintenance required was within shop capability/authorization.	—	—
4. Ensured proper tools and test equipment were available.	—	—
5. Identified repair parts to be requisitioned.	—	—
6. Assigned personnel to perform maintenance.	—	—
7. Ensured all safety precautions were followed.	—	—
8. Ensured maintenance procedures were IAW applicable publications.	—	—
9. Provided assistance if necessary.	—	—
10. Ensured operational test was performed.	—	—
11. Ensured TAMMS forms were completed, as required.	—	—
12. Ensured tools and equipment were properly maintained.	—	—
13. Critiqued personnel on work performance.	—	—
14. Ensured the fuel system was repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the fuel system was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required
TM 5-4520-253-13
TM 5-4520-253-23P

Related

**Troubleshoot the Electrical System on a Heater
091-52C-3009**

Conditions: Given a maintenance request or equipment inspection worksheet describing equipment malfunctions. Equipment required: tool kit, portable forced air heaters; required safety equipment; required testing equipment; special tools, and other equipment and materials.

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Determined maintenance action in the electrical system on a heater.	—	—
3. Ensured maintenance required was within shop capability/authorization.	—	—
4. Ensured proper tools and test equipment were available.	—	—
5. Identified repair parts to be requisitioned.	—	—
6. Assigned personnel to perform maintenance.	—	—
7. Ensured all safety precautions were followed.	—	—
8. Performed troubleshooting procedures.	—	—
9. Ensured maintenance procedures were IAW applicable publications.	—	—
10. Provided assistance if required.	—	—
11. Ensured operational test was performed.	—	—
12. Ensured TAMMS forms were completed, as required.	—	—
13. Ensured tools and equipment were properly maintained.	—	—
14. Critiqued personnel on work performance.	—	—
15. Ensured the electrical system was repaired IAW appropriate technical manuals and references.	—	—
16. Conducted an in-process inspection.	—	—
17. Performed a final inspection to ensure the electrical system was fully mission-capable.	—	—
18. Critiqued personnel on their job performance.	—	—
19. Ensured maintenance forms were completed as required.	—	—
20. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References
Required
 TM 5-4520-253-13

Related

References

Required

TM 5-4520-253-23P

Related

**Troubleshoot the Mechanical System on a Heater
091-52C-3010**

Conditions: Given a maintenance request or equipment inspection worksheet describing equipment malfunctions. Equipment required: tool kit; portable forced air heaters; required safety equipment; required testing equipment; special tools, and other equipment and materials.

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Determined maintenance action in the mechanical system on a heater.	—	—
3. Ensured maintenance required is within shop capability/authorization.	—	—
4. Ensured proper tools and test equipment were available.	—	—
5. Identified repair parts to be requisitioned.	—	—
6. Assigned personnel to perform maintenance.	—	—
7. Ensured all safety precautions were followed.	—	—
8. Ensured maintenance procedures were IAW applicable publications.	—	—
9. Provided assistance if necessary.	—	—
10. Ensured operational test was performed.	—	—
11. Ensured TAMMS forms were completed, as required.	—	—
12. Ensured tools and equipment were properly maintained.	—	—
13. Critiqued personnel on work performance.	—	—
14. Ensured the mechanical system was repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the mechanical system was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required
 TM 5-4520-253-13
 TM 5-4520-253-23P

Related

**Troubleshoot the Air Purification System on a Bottle Cleaning and Charging Station
091-52C-3011**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a bottle cleaning and charging station, water flow chart, air flow chart, multimeter, necessary/additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed Troubleshooting of the air purification system on a bottle cleaning and charging station IAW applicable technical publications. When the task was completed, the bottle cleaning and charging station was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the air purification system.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled the air purification system.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Assembled the air purification system.	—	—
10. Identified repair parts and requisition, if required.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures were followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the air purification system was repaired in accordance with appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the air purification system was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensure tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 9-5855-252-12

TM 9-5855-252-34

Related

TM 9-5855-252-24P

**Troubleshoot the Cleaning System on a Bottle Cleaning and Charging Station
091-52C-3012**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a bottle cleaning and charging station, necessary tools, water flow chart, air flow chart, additional tools, equipment specified in TMs, repair parts, multimeter, and applicable maintenance forms and technical publications.

Standards: Performed Troubleshooting of the cleaning system on a bottle cleaning and charging station IAW applicable technical publications. When the task was completed, the bottle cleaning and charging station was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to repair/replace, and test the cleaning system.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled the cleaning system.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Identified repair parts and requisition, if required.	—	—
10. Assembled the cleaning system.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures are followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the cleaning system was repaired in accordance with appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the cleaning system was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 9-5855-252-12

TM 9-5855-252-34

Related

TM 9-5855-252-24P

**Troubleshoot the Charging Station on a Bottle Cleaning and Charging Station
091-52C-3013**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a bottle cleaning and charging station, necessary tools, water flow chart, air flow chart, additional tools, equipment specified in TMs, repair parts, multimeter, and applicable maintenance forms and technical publications.

Standards: Performed Troubleshooting of the charging station on a bottle cleaning and charging station IAW applicable technical publications. When the task was completed, the bottle cleaning and charging station was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the charging station.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled the charging station.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Identified repair parts and requisition, if required.	—	—
10. Assembled the charging station.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures were followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the charging station was repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the charging station was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 9-5855-252-12

TM 9-5855-252-34

Related

TM 9-5855-252-24P

**Troubleshoot the Compressor on a Bottle Cleaning and Charging Station
091-52C-3014**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a bottle cleaning and charging station, necessary tools, water flow chart, air flow chart, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed Troubleshooting of the compressor on a bottle cleaning and charging station IAW applicable technical publications. When the task is completed the bottle cleaning and charging station was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the charging station.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled the compressor.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Identified repair parts and requisitioned, if required.	—	—
10. Assembled the compressor.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures were followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the compressor was repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the compressor was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required
TM 9-5855-252-12

Related
TM 9-5855-252-24P

References

Required

TM 9-5855-252-34

Related

**Troubleshoot the Motor Assemblies on a Bottle Cleaning and Charging Station
091-52C-3015**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a bottle cleaning and charging station, necessary tools, water flow chart, air flow chart, additional tools, equipment specified in TMs, repair parts, multimeter, and applicable maintenance forms and technical publications.

Standards: Performed troubleshooting of the motor assemblies on a bottle cleaning and charging station IAW applicable technical publications. When the task was completed, the bottle cleaning and charging station was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the motor assembly.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled the motor assembly.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Identified repair parts and requisitioned, if required.	—	—
10. Assembled the motor assembly.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures were followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the motor assembly was repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the motor assembly was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 9-5855-252-12

TM 9-5855-252-34

Related

TM 9-5855-252-24P

**Troubleshoot the Electrical System on a Bottle Cleaning and Charging Station
091-52C-3016**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a bottle cleaning and charging station, necessary tools, water flow chart, air flow chart, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed Troubleshooting of the electrical system on a bottle cleaning and charging station IAW applicable technical publications. When the task is completed, the bottle cleaning and charging station must be fully mission capable.

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

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

References

Required

TM 9-5855-252-12
TM 9-5855-252-34

Related

TM 9-5855-252-24P

**Troubleshoot the Packaging System on a Bottle Cleaning and Charging Station
091-52C-3017**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a bottle cleaning and charging station necessary tools, water flow chart, air flow chart, additional tools, equipment specified in TMs, repair parts, multimeter, and applicable maintenance forms and technical publications.

Standards: Performed Troubleshooting of the packaging system on a bottle cleaning and charging station IAW applicable technical publications. When the task was completed, the bottle cleaning and charging station was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the packaging system.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled the packaging system.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Identified repair parts and requisitioned, if required.	—	—
10. Assembled the packaging system.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures were followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the packaging system was repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensured the packaging system was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 9-5855-252-12

TM 9-5855-252-34

Related

TM 9-5855-252-24P

**Perform Maintenance of the Pump Assembly on a 350 GPM Pump
091-52C-3023**

Conditions: In a field or garrison environment, given a 350 GPM pump, general mechanic's tool kit, TMDE, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed maintenance of the pump assembly on a 350 GPM pump IAW applicable technical publications. When the task was completed, the pump was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools were available to inspect, repair/replace, and test the pump assembly or replace pump assembly components.	—	—
5. Performed initial inspection.	—	—
6. Disassembled the pump assembly.	—	—
7. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
8. Identified repair parts and requisitioned, if required.	—	—
9. Assembled the pump assembly.	—	—
10. Assigned personnel to perform necessary repairs.	—	—
11. Ensured all safety precautions and procedures were followed.	—	—
12. Provided assistance when necessary.	—	—
13. Ensured the pump assembly is repaired IAW appropriate technical manuals and references.	—	—
14. Conducted an in-process inspection.	—	—
15. Performed a final inspection to ensure the pump assembly was fully mission-capable.	—	—
16. Critiqued personnel on their job performance.	—	—
17. Ensured maintenance forms were completed as required.	—	—
18. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 10-4320-226-14
 TM 10-4320-343-14
 TM 5-4520-256-14

Related

DA PAM 738-750

**Troubleshoot Electrical System on the 350 GPM Pump
091-52C-3024**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a 350 GPM pump, general mechanic's tool kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed Troubleshooting of the electrical system on a 350 GPM pump IAW applicable technical publications. When the task was completed, the pump was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured work was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured applicable tools, equipment, and TMDE were available to inspect, repair/replace, and test the electrical system.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
8. Identified repair parts and requisitioned, if required.	—	—
9. Assigned personnel to perform necessary repairs.	—	—
10. Ensured all safety precautions and procedures were followed.	—	—
11. Provided assistance when necessary.	—	—
12. Ensured the 350 GPM pump electrical system was repaired IAW appropriate technical manuals and references.	—	—
13. Conducted an in-process inspection.	—	—
14. Performed a final inspection to ensure the 350 GPM pump electrical system was fully mission- capable.	—	—
15. Critiqued personnel on their job performance.	—	—
16. Ensured maintenance forms were completed as required.	—	—
17. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

- TM 10-4320-226-14
- TM 10-4320-343-14
- TM 5-4520-256-14

Related

- DA PAM 738-750

**Troubleshoot Electrical System on a Smoke Generator
091-52C-3025**

Conditions: Given a smoke generator, applicable references, tools and test equipment, and repair parts if needed.

Standards: Repaired the smoke generator systems and replaced or repaired their components IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request	—	—
2. Determined required maintenance action for the electrical system on a smoke generator.	—	—
3. .Ensured maintenance required was within shop capability/authorization.	—	—
4. Ensured applicable technical publications were available.	—	—
5. Ensured proper tools and test equipment were available.	—	—
6. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the electrical system.	—	—
7. Identified repair parts to be requisitioned.	—	—
8. Performed initial inspection.	—	—
9. Assigned personnel to perform maintenance.	—	—
10. Ensured all safety precautions were followed.	—	—
11. Performed troubleshooting procedures.	—	—
12. Ensured maintenance procedures were IAW technical publications.	—	—
13. Provided assistance if necessary.	—	—
14. Selected and used appropriate tools and test equipment.	—	—
15. Ensured operational test were performed.	—	—
16. Completed TAMMS forms as required.	—	—
17. Performed a final inspection to ensure the electrical system was fully mission-capable.	—	—
18. Critiqued personnel on their job performance.	—	—
19. Ensured maintenance forms were completed as required.	—	—
20. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required
TM 3-1040-279-12&P

Related
DA PAM 738-750

**Perform Maintenance of the Fog Oil System on a Smoke Generator
091-52C-3026**

Conditions: Given a smoke generator, applicable references, tools and test equipment, and repair parts if needed.

Standards: Repaired the smoke generator systems repaired and replaced their components IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Determined required maintenance action for the fog oil system on a smoke generator.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured maintenance required was within shop capability/authorization.	—	—
4. Ensured applicable technical publications were available.	—	—
5. Ensured proper tools and test equipment were available.	—	—
6. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the fog oil system.	—	—
7. Identified repair parts to be requisitioned.	—	—
8. Selected and used appropriate references.	—	—
9. Performed initial inspection.	—	—
10. Inspected fog oil system.	—	—
11. Provided assistance if necessary.	—	—
12. Repaired or replaced damaged or defective components.	—	—
13. Ensured operational test was performed.	—	—
14. Completed TAMMS forms as required.	—	—
15. Ensured the fog oil system was repaired IAW appropriate technical manuals and references.	—	—
16. Conducted an in-process inspection.	—	—
17. Performed a final inspection to ensure the fog oil system was fully mission-capable.	—	—
18. Critiqued personnel on their job performance.	—	—
19. Ensured maintenance forms were completed as required.	—	—
20. Ensured tool, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 3-1040-279-12&P

Related

DA PAM 738-750

**Perform Maintenance of the Air System on a Smoke Generator
091-52C-3027**

Conditions: Given a smoke generator, applicable references, tools and test equipment, and repair parts if needed.

Standards: Repaired the smoke generator systems replaced or repaired their components IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Determined required maintenance action for the air system on a smoke generator.	—	—
3. Ensured task was within shop capability/authorization.	—	—
4. Ensured maintenance required was within shop capability/authorization.	—	—
5. Ensured applicable technical publications were available.	—	—
6. Ensured proper tools and test equipment were available.	—	—
7. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the air system.	—	—
8. Identified repair parts to be requisitioned.	—	—
9. Performed initial inspection.	—	—
10. Selected and used appropriate references.	—	—
11. Disassembled the air system.	—	—
12. Inspected air system.	—	—
13. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
14. Provided assistance if necessary.	—	—
15. Repaired or replaced damaged or defective components.	—	—
16. Ensured operational test was performed.	—	—
17. Completed TAMMS forms as required.	—	—
18. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 3-1040-279-12&P

Related

DA PAM 738-750

**Troubleshoot the Fuel System on a Smoke Generator
091-52C-3028**

Conditions: Given a smoke generator, applicable references, tools and test equipment, and repair parts if needed.

Standards: Repaired the smoke generator systems and replaced or repaired their components IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Determined required maintenance action for the fuel system on a smoke generator.	—	—
3. Ensured task was within shop capability/authorization.	—	—
4. Ensured maintenance required was within shop capability/authorization.	—	—
5. Ensured applicable technical publications were available.	—	—
6. Ensured proper tools and test equipment were available.	—	—
7. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the fuel system.	—	—
8. Identified repair parts to be requisitioned.	—	—
9. Performed initial inspection.	—	—
10. Selected and used appropriate references.	—	—
11. Performed troubleshooting procedures.	—	—
12. Inspected fuel system.	—	—
13. Disassembled the fuel system.	—	—
14. Provided assistance if necessary.	—	—
15. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
16. Repaired or replaced damaged or defective components.	—	—
17. Identified repair parts and requisitioned, if required.	—	—
18. Ensured operational test was performed.	—	—
19. Assembled the fuel system.	—	—
20. Completed TAMMS forms as required.	—	—

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

References

Required
TM 3-1040-279-12&P

Related
DA PAM 738-750

**Perform Maintenance of the Pulse Jet Engine System on a Smoke Generator
091-52C-3029**

Conditions: Given a smoke generator, applicable references, tools and test equipment, and repair parts if needed.

Standards: Repaired the smoke generator systems and replaced or repaired their components IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Determined required maintenance action for the pulse jet engine system on a smoke generator.	—	—
3. Ensured task was within shop capability/authorization.	—	—
4. Ensured maintenance required was within shop capability/authorization.	—	—
5. Ensured applicable technical publications were available.	—	—
6. Ensured proper tools and test equipment were available.	—	—
7. Identified repair parts to be requisitioned.	—	—
8. Performed initial inspection.	—	—
9. Selected and used appropriate references.	—	—
10. Disassembled the pulse jet system.	—	—
11. Inspected pulse jet engine system.	—	—
12. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
13. Provided assistance if necessary.	—	—
14. Identified repair parts and requisitioned, if required.	—	—
15. Repaired or replaced damaged or defective components.	—	—
16. Ensured operational test was performed.	—	—
17. Completed TAMMS forms as required.	—	—
18. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 3-1040-279-12&P

Related

DA PAM 738-750

**Troubleshoot Electrical System on a 12 CFM ABC-M7A1 Filter Unit
091-52C-3030**

Conditions: Given a collective protective shelter system, applicable references, tools and test equipment, and repair parts if needed.

Standards: Maintained the protective shelter system and replaced or repaired its components IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Determined required maintenance action for the electrical system on a 12 CFM ABC-M7A1 Filter Unit.	—	—
2. Reviewed work request.	—	—
3. Ensured task was within shop capability/authorization.	—	—
4. Ensured maintenance required was within shop capability/authorization.	—	—
5. Ensure applicable technical publications are available.	—	—
6. Ensured proper tools and test equipment were available.	—	—
7. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the electrical system.	—	—
8. Identified repair parts to be requisitioned.	—	—
9. Performed initial inspection.	—	—
10. Selected and used appropriate references.	—	—
11. Provided assistance if necessary.	—	—
12. Performed troubleshooting procedures.	—	—
13. Repaired or replaced damaged or defective components.	—	—
14. Ensured operational test was performed.	—	—
15. Completed TAMMS forms as required.	—	—
16. Ensured all safety precautions and procedures were followed.	—	—
17. Provided assistance when necessary.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required
TM 3-4240-201-13

Related
DA PAM 738-750

**Perform Maintenance of the Washer Assembly on a Laundry Unit
091-52C-3035**

Conditions: In a field or garrison environment, given an M85-100 laundry unit washer, general mechanic's tool kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed maintenance of the washer assembly on a laundry unit IAW applicable technical publications. When the task was completed, the laundry unit was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the washer assembly.	—	—
5. Performed initial inspection.	—	—
6. Disassembled the washer assembly.	—	—
7. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
8. Identified repair parts and requisitioned, if required.	—	—
9. Assembled the washer assembly.	—	—
10. Assigned personnel to perform necessary repairs.	—	—
11. Ensured all safety precautions and procedures were followed.	—	—
12. Provided assistance when necessary.	—	—
13. Ensured the washer assembly was repaired IAW appropriate technical manuals and references.	—	—
14. Conducted an in-process inspection.	—	—
15. Performed a final inspection to ensure the washer assembly was fully mission-capable.	—	—
16. Critiqued personnel on their job performance.	—	—
17. Ensured maintenance forms were completed as required.	—	—
18. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 10-3510-220-10
TM 10-3510-220-24

Related

DA PAM 738-750
LO 10-3510-220-12

**Perform Maintenance of the Air Compressor Assembly on a Laundry Unit
091-52C-3037**

Conditions: In a field or garrison environment, given an M85-100 laundry/bath unit air compressor, general mechanic's tool kit, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed maintenance of the air compressor assembly on a laundry unit IAW applicable technical publications. When the task was completed, the laundry unit was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools and equipment were available to inspect, repair/replace, and test the air compressor assembly.	—	—
5. Performed initial inspection.	—	—
6. Disassembled the air compressor assembly.	—	—
7. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
8. Identified repair parts and requisitioned, if required.	—	—
9. Assembled the air compressor assembly.	—	—
10. Assigned personnel to perform necessary repairs.	—	—
11. Ensured all safety precautions and procedures were followed.	—	—
12. Provided assistance when necessary.	—	—
13. Ensured the air compressor assembly was repaired IAW appropriate technical manuals and references.	—	—
14. Conducted an in-process inspection.	—	—
15. Performed a final inspection to ensure the air compressor assembly was fully mission-capable.	—	—
16. Critiqued personnel on their job performance.	—	—
17. Ensured maintenance forms were completed as required.	—	—
18. Ensured tools and equipment were properly maintained.	—	—

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

References

Required
TM 10-3510-220-24

Related
DA PAM 738-750
LO 10-3510-220-12
TM 10-3510-220-10

**Perform Maintenance of the Extractor Assembly on a Laundry Unit
091-52C-3038**

Conditions: In a field or garrison environment, given an M85-100 laundry unit extractor, general mechanic's tool kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed maintenance of the extractor assembly on a laundry unit IAW applicable technical publications. When the task was completed, the laundry unit was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the extractor assembly.	—	—
5. Performed initial inspection.	—	—
6. Disassembled the extractor assembly.	—	—
7. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
8. Identified repair parts and requisitioned, if required.	—	—
9. Assembled the extractor assembly.	—	—
10. Assigned personnel to perform necessary repairs.	—	—
11. Ensured all safety precautions and procedures were followed.	—	—
12. Provided assistance when necessary.	—	—
13. Ensured the extractor assembly were repaired IAW appropriate technical manuals and references.	—	—
14. Conducted an in-process inspection.	—	—
15. Performed a final inspection to ensure the extractor assembly was fully mission-capable.	—	—
16. Critiqued personnel on their job performance.	—	—
17. Ensured maintenance forms were completed as required.	—	—
18. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 10-3510-220-10
TM 10-3510-220-24

Related

DA PAM 738-750
LO 10-3510-220-12

**Perform Maintenance of the Water Heater Assembly on a Laundry Unit/Bath Unit
091-52C-3039**

Conditions: In a field or garrison environment, given an M85-100 laundry/bath unit, general mechanic's tool kit, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed maintenance of the water heater assembly on a laundry unit/bath unit IAW applicable technical publications. When the task was completed, the laundry unit/bath unit was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools and equipment were available to inspect, repair/replace, and test the water heater assembly.	—	—
5. Performed initial inspection.	—	—
6. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
7. Identified repair parts and requisitioned, if required.	—	—
8. Assigned personnel to perform necessary repairs.	—	—
9. Ensured all safety procedures were followed.	—	—
10. Provided assistance when necessary.	—	—
11. Ensured the water heating assembly was repaired IAW appropriate technical manuals and references.	—	—
12. Conducted an in-process inspection.	—	—
13. Performed a final inspection to ensure the water heater assembly was fully mission-capable.	—	—
14. Critiqued personnel on their job performance.	—	—
15. Ensured maintenance forms were completed as required.	—	—
16. Ensured tools, equipment and TMDE were properly maintained.	—	—

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

References

Required
 TM 10-3510-220-10
 TM 10-3510-220-24

Related
 DA PAM 738-750
 LO 10-3510-220-12

**Perform Maintenance of the Dryer Tumbler Assembly on a Laundry Unit
091-52C-3040**

Conditions: In a field or garrison environment, given an M85-100 laundry unit dryer tumbler, general mechanic's tool kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed maintenance of the dryer tumbler assembly on a laundry unit IAW applicable technical publications. When the task was completed, the laundry unit was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured task was within shop capability/authorization.	—	—
2. Ensured applicable technical publications were available.	—	—
3. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the dryer tumbler assembly.	—	—
4. Performed initial inspection.	—	—
5. Performed troubleshooting procedures.	—	—
6. Disassembled the dryer tumbler assembly.	—	—
7. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
8. Identified repair parts and requisitioned, if required.	—	—
9. Assembled the dryer tumbler assembly.	—	—
10. Assigned personnel to perform necessary repairs.	—	—
11. Ensured all safety precautions and procedures were followed.	—	—
12. Provided assistance when necessary.	—	—
13. Ensured the dryer tumbler assembly was repaired IAW appropriate technical manuals and references.	—	—
14. Conducted an in-process inspection.	—	—
15. Performed a final inspection to ensure the dryer tumbler assembly was fully mission-capable.	—	—
16. Critiqued personnel on their job performance.	—	—
17. Ensured maintenance forms were completed as required.	—	—
18. Ensure tools, equipment, and TMDE are properly maintained.	—	—

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

References

Required

TM 10-3510-220-10
TM 10-3510-220-24

Related

DA PAM 738-750
LO 10-3510-220-12

**Perform Maintenance of the Water Pump and Motor Assembly on a Laundry Unit/Bath Unit
091-52C-3041**

Conditions: In a field or garrison environment, given an M85-100 laundry/bath unit, general mechanic's tool kit, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed maintenance of the water pump and motor assembly on a laundry unit/bath unit IAW applicable technical publications. When the task was completed, the laundry unit/bath unit was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools and equipment were available to inspect, repair/replace, and test the water pump and motor assembly.	—	—
5. Performed initial inspection.	—	—
6. Disassembled the water pump and motor assembly.	—	—
7. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
8. Identified repair parts and requisitioned, if required.	—	—
9. Assembled the water pump and motor assembly.	—	—
10. Assigned personnel to perform necessary repairs.	—	—
11. Ensured all safety precautions and procedures were followed.	—	—
12. Provided assistance when necessary.	—	—
13. Ensured the water pump and motor assembly was repaired IAW appropriate technical manuals and references.	—	—
14. Conducted an in-process inspection.	—	—
15. Performed a final inspection to ensure the water pump and motor assembly was fully mission- capable.	—	—
16. Critiqued personnel on their job performance.	—	—
17. Ensured maintenance forms were completed as required.	—	—
18. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

TM 10-3510-220-10
TM 10-3510-220-24

Related

DA PAM 738-750
LO 10-3510-220-12

**Perform Maintenance of the Burner on an M-17 Decontaminating Apparatus
091-52C-3044**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions was followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
1. Determined required maintenance action for the burner.	—	—
2. Ensured task was within shop capability/authorization.	—	—
2. Selected and used appropriate references.	—	—
3. Ensured maintenance required was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools and test equipment were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the burner.	—	—
5. Identified repair parts to be requisitioned.	—	—
5. Performed initial inspection.	—	—
6. Disassembled the burner.	—	—
6. Assigned personnel to perform maintenance.	—	—
7. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
7. Ensured all safety precautions were followed.	—	—
8. Ensured maintenance procedures were IAW technical publications.	—	—
8. Identified repair parts and requisition, if required.	—	—
9. Provided assistance if necessary.	—	—
9. Assembled the burner.	—	—
10. Assign personnel to perform necessary repairs.	—	—
10. Ensured operational test was performed.	—	—
11. Ensure TAMMS forms are completed, as required.	—	—
12. Ensure tools and equipment are properly maintained.	—	—

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

References

Required

TM 10-3510-220-10

TM 10-3510-220-24

Related

DA PAM 738-750

LO 10-3510-220-12

**Troubleshoot Electrical System on the M-17 Decontaminating Apparatus
091-52C-3045**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Determined required maintenance action for the electrical system.	—	—
3. Ensured task was within shop capability/authorization.	—	—
4. Selected and used appropriate references.	—	—
5. Ensured applicable technical publications were available.	—	—
6. Ensured maintenance required was within shop capability/authorization.	—	—
7. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the electrical system.	—	—
8. Performed initial inspection.	—	—
9. Ensured proper tools and test equipment were available.	—	—
10. Assigned personnel to perform maintenance.	—	—
11. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
12. Ensured all safety precautions were followed.	—	—
13. Identified repair parts and requisition, if required.	—	—
14. Ensured maintenance procedures were IAW technical publications.	—	—
15. Provided assistance if necessary.	—	—
16. Ensured operational test was performed.	—	—
17. Ensured TAMMS forms were completed, as required.	—	—
18. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

- TM 3-4230-218-12&P
- TM 3-4230-218-30&P

Related

**Perform Maintenance of the Water Pump Assembly on an M-17 Decontaminating Apparatus
091-52C-3046**

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

Standards: Performed this task IAW listed references, ensuring that all applicable safety precautions were followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Determined required maintenance action for the water pump assembly.	—	—
2. Selected and use appropriate references.	—	—
3. Ensured maintenance required was within shop capability/authorization.	—	—
4. Ensured proper tools and test equipment were available.	—	—
5. Identified repair parts to be requisitioned.	—	—
6. Assigned personnel to perform maintenance.	—	—
7. Ensured all safety precautions were followed.	—	—
8. Ensured maintenance procedures were IAW technical publications.	—	—
9. Provided assistance if necessary.	—	—
10. Ensured operational test were performed.	—	—
11. Ensured TAMMS forms were completed, as required.	—	—
12. Ensure tools and equipment were properly maintained.	—	—
13. Provided assistance when necessary.	—	—
14. Ensure the water pump assembly is repaired in accordance with appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the water pump assembly is fully mission capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required
 TM 3-4230-218-12&P
 TM 3-4230-218-30&P

Related

**Perform Maintenance of the Water System on a Reverse Osmosis Water Purification Unit
091-52C-3053**

Conditions: Given a reverse osmosis-type water purification system, applicable references, tools and test equipment, and repair parts if necessary.

Standards: Repaired the reverse osmosis water purification system and repaired or replaced its components replaced IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Determined required maintenance action for the pump assembly.	—	—
2. Selected and used appropriate references.	—	—
3. Ensured maintenance required is within shop capability/authorization.	—	—
4. Ensured proper tools and test equipment were available.	—	—
5. Performed initial inspection.	—	—
6. Identified repair parts to be requisitioned.	—	—
7. Assigned personnel to perform maintenance.	—	—
8. Ensured all safety precautions were followed.	—	—
9. Ensured maintenance procedures were IAW technical publications.	—	—
10. Provided assistance if necessary.	—	—
11. Ensured operational test is performed.	—	—
12. Ensured TAMMS forms were completed, as required.	—	—
13. Ensured tools and equipment were properly maintained.	—	—
14. Selected and used appropriate references.	—	—
15. Selected and used appropriate tools and test equipment.	—	—
16. Inspected system components.	—	—
17. Repaired water purification unit reverse osmosis components as required	—	—
18. replaced water purification unit reverse osmosis components as required	—	—
19. Test-operated equipment.	—	—
20. Completed TAMMS forms as required.	—	—

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

References

Required	Related
DA PAM 738-750	
DA PAMPHLET 738-750	
TM 10-4610-215-10	
TM 10-4610-215-24	

References

Required

TM 10-4610-232-12
TM 10-4610-232-34
TM 10-4610-239-10
TM 10-4610-239-24

Related

**Perform Maintenance of the Water Purification Air System on a Reverse Water Purification Unit
091-52C-3054**

Conditions: Given a reverse osmosis-type water purification system, applicable references, tools and test equipment, and repair parts, if necessary.

Standards: Repaired the reverse osmosis water purification system and repaired or replaced its components IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Determined required maintenance action for the pump assembly.	—	—
2. Selected and used appropriate references.	—	—
3. Ensured maintenance required was within shop capability/authorization.	—	—
4. Ensured proper tools and test equipment were available.	—	—
5. Identified repair parts to be requisitioned.	—	—
6. Disassembled the water purification air system.	—	—
6. Assigned personnel to perform maintenance.	—	—
7. Ensured all safety precautions were followed.	—	—
8. Ensured maintenance procedures were IAW technical publications.	—	—
9. Provided assistance if necessary.	—	—
10. Ensured operational test was performed.	—	—
11. Ensured TAMMS forms were completed, as required.	—	—
12. Ensured tools and equipment were properly maintained.	—	—
13. Selected and used appropriate references.	—	—
14. Selected and used appropriate tools and test equipment.	—	—
15. Inspected system components.	—	—
16. Repaired water purification unit reverse osmosis components as required	—	—
17. Replaced water purification unit reverse osmosis components as required	—	—
18. Test-operated equipment.	—	—
19. Completed TAMMS forms as required.	—	—

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

References

Required	Related
TM 10-4610-215-10	
TM 10-4610-215-24	
TM 10-4610-232-12	
TM 10-4610-232-34	

References

Required

TM 10-4610-239-10

TM 10-4610-239-24

Related

**Troubleshoot the Electrical System on a Reverse Osmosis Water Purification Unit
091-52C-3055**

Conditions: Given a reverse osmosis-type water purification system, applicable references, tools and test equipment, and repair parts, if necessary.

Standards: Repaired the reverse osmosis water purification system and repaired or replaced its components IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Determined required maintenance action for the pump assembly.	—	—
2. Selected and used appropriate references.	—	—
3. Ensured maintenance required was within shop capability/authorization.	—	—
4. Ensured proper tools and test equipment were available.	—	—
5. Identified repair parts to be requisitioned.	—	—
6. Assigned personnel to perform maintenance.	—	—
7. Ensured all safety precautions were followed.	—	—
8. Ensured maintenance procedures were IAW technical publications.	—	—
9. Provided assistance if necessary.	—	—
10. Ensured operational test was performed.	—	—
11. Ensured TAMMS forms were completed, as required.	—	—
12. Ensured tools and equipment were properly maintained.	—	—
13. Selected and used appropriate references.	—	—
14. Selected and used appropriate tools and test equipment.	—	—
15. Inspected system components.	—	—
16. Repaired water purification unit reverse osmosis components as required	—	—
17. Replaced water purification unit reverse osmosis components as required	—	—
18. Test-operated equipment.	—	—
19. Ensured maintenance forms were completed as required.	—	—
20. Completed TAMMS forms as required.	—	—
21. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

- TM 10-4610-215-10
- TM 10-4610-215-24
- TM 10-4610-232-12

Related

References

Required

TM 10-4610-232-34

TM 10-4610-239-10

TM 10-4610-239-24

Related

Perform Maintenance of the Water Distribution System on a Reverse Osmosis Water Purification Unit

091-52C-3056

Conditions: In a field or garrison environment, given a 3000 GPH reverse osmosis water purification unit (ROWPU), general mechanic's tools kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed maintenance of the water distribution system on a reverse osmosis water purification unit (ROWPU) IAW applicable technical publications. When the task was completed, the ROWPU was fully mission-capable.

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

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

References

Required

- TM 10-4610-215-10
- TM 10-4610-215-24

Related

References

Required

TM 10-4610-232-12
TM 10-4610-232-34
TM 10-4610-239-10
TM 10-4610-239-24

Related

**Troubleshoot Vapor System on a Refrigeration Unit/Air Conditioner
091-52C-3062**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a commercial reach-in refrigerator (McCall), commercial reach-in refrigerator (Kessel), F 10,000 RE unit, refrigeration and air conditioning tool kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed troubleshooting on the vapor system on a refrigeration unit/air conditioner IAW applicable technical publications. When the task was completed, the refrigeration unit/air conditioner was fully mission-capable.

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

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

References

Required
DA FORM 5988-E
TM 5-4120-339-14

Related
DA FORM 2404

References

Required

TM 5-4120-359-14
TM 5-4120-384-14
TM 5-4120-386-14
TM 5-4120-393-14
TM 9-4120-371-14
TM 9-4120-378-14
TM 9-4120-385-14
TM 9-4120-389-14

Related

**Troubleshoot Electrical System on a Refrigeration Unit/Air Conditioner
091-52C-3063**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a commercial reach-in refrigerator (McCall), commercial reach-in refrigerator (Kessel), F 10,000 RE unit, refrigeration and air conditioning tool kit, additional tools, equipment specified in TMs, repair parts, multimeter, and applicable maintenance forms and technical publications.

Standards: Performed troubleshooting of the electrical system on a refrigeration unit/air conditioner IAW applicable technical publications. When the task was completed, the refrigeration unit/air conditioner was fully mission- capable.

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

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

References

Required

DA FORM 2404
DA FORM 5988-E

Related

MOD REFRIG/AIR COND MAN

References

Required

TM 10-4130-237-14
TM 5-4120-339-14
TM 5-4120-359-14
TM 5-4120-377-14
TM 5-4120-384-14
TM 5-4120-386-14
TM 5-4120-393-14
TM 9-4110-256-14
TM 9-4120-371-14
TM 9-4120-378-14
TM 9-4120-385-14
TM 9-4120-389-14

Related

**Troubleshoot Mechanical System on a Refrigeration Unit
091-52C-3064**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, a commercial reach-in refrigerator (McCall), commercial reach-in refrigerator (Kessel), F 10,000 RE unit, refrigeration and air conditioning tool kit, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed Troubleshooting of the mechanical system on a refrigeration unit IAW applicable technical publications. When the task was completed, the refrigeration unit/air conditioner was fully mission-capable.

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

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

References

Required

TM 10-4130-237-14
 TM 9-4110-256-14
 TM 9-8000

Related

FM 11-60
 FM 11-62
 MOD REFRIG/AIR COND MAN

**Troubleshoot the Compressor, Air Reciprocating, 15 CFM on a Halon Recovery/Recharger Unit
091-52C-3065**

Conditions: Given a reverse osmosis-type water purification system, applicable references, tools and test equipment, and repair parts if necessary.

Standards: The reverse osmosis water purification system must be repaired and its components repaired or replaced IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Determine required maintenance action for the pump assembly.	—	—
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
2. Select and use appropriate references.	—	—
3. Ensure applicable technical publications are available.	—	—
3. Ensure maintenance required is within shop capability/authorization.	—	—
4. Ensure proper tools and test equipment are available.	—	—
4. Ensure proper tools and equipment are available to inspect, repair/replace, and test the compressor, air reciprocating, 15 CFM.	—	—
5. Identify repair parts to be requisitioned.	—	—
5. Perform initial inspection.	—	—
6. Assign personnel to perform maintenance.	—	—
6. Perform troubleshooting procedures.	—	—
7. Ensure all safety precautions are followed.	—	—
7. Disassemble the compressor, air reciprocating, 15 CFM.	—	—
8. Diagnose fault(s) and determine maintenance action to be performed.	—	—
8. Ensure maintenance procedures are IAW technical publications.	—	—
9. Provide assistance if necessary.	—	—
10. Ensure operational test is performed.	—	—
11. Ensure TAMMS forms are completed, as required.	—	—
12. Ensure tools and equipment are properly maintained.	—	—

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

References

Required

TM 5-4310-373-14
TM 5-4310-373-24P

Related

TM 5-4210-218-13&P

Troubleshoot the Halon Recovery/Recharger Unit
091-52C-3066

Conditions: Given a reverse osmosis-type water purification system, applicable references, tools and test equipment, and repair parts if necessary.

Standards: The reverse osmosis water purification system must be repaired and its components repaired or replaced IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools and equipment are available to inspect, repair/replace, and test the halon recovery/recharger unit.	—	—
5. Perform initial inspection.	—	—
6. Perform troubleshooting procedures.	—	—
7. Disassemble the halon recovery/recharger unit.	—	—
8. Diagnose fault(s) and determine maintenance action to be performed.	—	—
9. Identify repair parts and requisition, if required.	—	—
10. Assemble the halon recovery/recharger unit.	—	—
11. Assign personnel to perform necessary repairs.	—	—
12. Ensure all safety precautions and procedures are followed.	—	—
13. Provide assistance when necessary.	—	—
14. Ensure the halon recovery/recharger unit is repaired in accordance with appropriate technical manuals and references.	—	—
15. Conduct an in-process inspection.	—	—
16. Perform a final inspection to ensure the halon recovery/recharger unit is fully mission capable.	—	—
17. Critique personnel on their job performance.	—	—
18. Ensure maintenance forms are completed as required.	—	—
19. Ensure tools and equipment are properly maintained.	—	—

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

References

Required
TM 5-4210-218-13&P

Related
TM 5-4310-373-14
TM 5-4310-373-24P

**Perform Maintenance on the Engine Assembly on a 350 GPM Pump
091-52C-3068**

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

Standards: Soldier must perform this task in accordance with listed references, ensuring that all applicable safety precautions are followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the engine assembly on a 350 GPM Pump.	—	—
5. Perform initial inspection.	—	—
6. Diagnose fault(s) and determine maintenance action to be performed.	—	—
7. Identify repair parts and requisition, if required.	—	—
8. Assign personnel to perform necessary repairs.	—	—
9. Ensure all safety precautions and procedures are followed.	—	—
10. Provide assistance when necessary.	—	—
11. Ensure the engine assembly on the 350 GPM pump is repaired in accordance with appropriate technical manuals and references.	—	—
12. Conduct an in-process inspection.	—	—
13. Perform a final inspection to ensure the 350 GPM pump is fully mission capable.	—	—
14. Critique personnel on their job performance.	—	—
15. Ensure maintenance forms are completed as required.	—	—
16. Ensure tools, equipment, and TMDE are properly maintained.	—	—

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

References

Required

TM 10-4320-226-14
TM 10-4320-343-14

Related

DA PAM 738-750

**Troubleshoot The Control Module On The M56/M58 Smoke Generator
091-52C-3069**

Conditions: In a shop environment, given an M56/M58 smoke generator, general mechanics tool kit, multimeter, and TM 3-1040-282 series (draft).

Standards: Troubleshoot the control module of the M56/M58 smoke generator IAW applicable technical manuals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to repair/replace, and test the IR module.	—	—
5. Perform initial inspection.	—	—
6. Perform troubleshooting procedures.	—	—
7. Disassemble the IR module.	—	—
8. Diagnose fault(s) and determine maintenance action to be performed.	—	—
9. Identify repair parts and requisition, if required.	—	—
10. Assemble the IR module.	—	—
11. Assign personnel to perform necessary repairs.	—	—
12. Ensure all safety precautions and procedures are followed.	—	—
13. Provide assistance when necessary.	—	—
14. Ensure the IR module is repaired in accordance with appropriate technical manuals and references.	—	—
15. Conduct an in-process inspection.	—	—
16. Perform a final inspection to ensure the IR module is fully mission capable.	—	—
17. Critique personnel on their job performance.	—	—
18. Ensure maintenance forms are completed as required.	—	—
19. Ensure tools and equipment are properly maintained.	—	—

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

References

Required

- TM 3-1040-285-10
- TM 3-1040-285-20
- TM 3-1040-285-23P
- TM 3-1040-285-30

Related

- DA PAM 738-750

**Troubleshoot the Power Module On the M56/M58 Smoke Generator
091-52C-3070**

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

Standards: Soldier must perform this task in accordance with listed references, ensuring that all applicable safety precautions are followed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use appropriate references.	—	—
2. Select and use tools and test equipment.	—	—
3. Inspect decontaminating apparatus system components.	—	—
4. Test decontaminating apparatus system components.	—	—
5. Service decontaminating apparatus system components.	—	—
6. Adjust decontaminating apparatus system components.	—	—
7. Replace decontaminating apparatus system components.	—	—
8. Diagnose fault(s) and determine maintenance action to be performed.	—	—
8. Repair decontaminating apparatus system components.	—	—
9. Identify repair parts and requisition, if required.	—	—
9. Test-operate equipment.	—	—
10. Assemble the power module.	—	—
10. Complete TAMMS forms as required.	—	—
11. Assign personnel to perform necessary repairs.	—	—
12. Ensure all safety precautions and procedures are followed.	—	—
13. Provide assistance when necessary.	—	—
14. Ensure the power module is repaired in accordance with appropriate technical manuals and references.	—	—
15. Conduct an in-process inspection.	—	—
16. Perform a final inspection to ensure the power module is fully mission capable.	—	—
17. Critique personnel on their job performance.	—	—
18. Ensure maintenance forms are completed as required.	—	—
19. Ensure tools and equipment are properly maintained.	—	—

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

References

Required

TM 3-1040-285-10
TM 3-1040-285-20
TM 3-1040-285-23P
TM 3-1040-285-30

Related

DA PAM 738-750

**Troubleshoot the Visual Module on the M56/M58 Smoke Generator
091-52C-3071**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, an M56/M58 smoke generator, general mechanic's tool kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed troubleshooting of the visual module on the M56/M58 smoke generator IAW applicable technical publications. When the task was completed, the M56/M58 smoke generator was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the visual module.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled the visual module.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Identified repair parts and requisitioned, if required.	—	—
10. Assembled the visual module.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures were followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the visual module was repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the visual module was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools and equipment were properly maintained.	—	—

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

References

Required

TM 3-1040-285-10
TM 3-1040-285-20
TM 3-1040-285-23P
TM 3-1040-285-30

Related

DA PAM 738-750

**Troubleshoot The Infrared (IR) Module on the M56/M58 Smoke Generator
091-52C-3072**

Conditions: In a shop environment, given an M56/M58 smoke generator, general mechanics tool kit, multimeter, and TM 3-1040-282 series (draft).

Standards: Troubleshoot the control module of the M56/M58 smoke generator IAW applicable technical manuals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to repair/replace, and test the IR module.	—	—
5. Perform initial inspection.	—	—
6. Perform troubleshooting procedures.	—	—
7. Disassemble the IR module.	—	—
8. Diagnose fault(s) and determine maintenance action to be performed.	—	—
9. Identify repair parts and requisition, if required.	—	—
10. Assemble the IR module.	—	—
11. Assign personnel to perform necessary repairs.	—	—
12. Ensure all safety precautions and procedures are followed.	—	—
13. Provide assistance when necessary.	—	—
14. Ensure the IR module is repaired in accordance with appropriate technical manuals and references.	—	—
15. Conduct an in-process inspection.	—	—
16. Perform a final inspection to ensure the IR module is fully mission capable.	—	—
17. Critique personnel on their job performance.	—	—
18. Ensure maintenance forms are completed as required.	—	—
19. Ensure tools and equipment are properly maintained.	—	—

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

References

Required

- TM 3-1040-285-10
- TM 3-1040-285-20
- TM 3-1040-285-23P
- TM 3-1040-285-30

Related

- DA PAM 738-750

**Troubleshoot Control Panel on the M-17 Decontaminating apparatus
091-52C-3073**

Conditions: Given a fluid pumping mechanism, applicable references, tools and test equipment, and repair parts if needed.

Standards: The fluid pump must be maintained and its components replaced IAW the applicable technical publications' procedures and specifications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Select and use appropriate references.	—	—
2. Select and use appropriate tools and test equipment.	—	—
3. Inspect pump components.	—	—
4. Test pump components.	—	—
5. Service pump components.	—	—
6. Adjust pump components.	—	—
7. Replace pump components.	—	—
8. Repair pump components.	—	—
9. Test-operate pump; correct deficiencies.	—	—
10. Complete TAMMS forms as required.	—	—

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

References

Required

TM 3-4230-218-12&P

TM 3-4230-218-30&P

Related

**Perform Maintenance of the Fuel System on an M12A1 Decontaminating Apparatus
091-52C-3074**

Conditions: In a shop environment, given an M12 Decontaminating Apparatus, general mechanics tool kit, multimeter, and applicable references.

Standards: Troubleshoot the fuel system on the M12 Decontaminating Apparatus IAW applicable technical manuals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the fuel system.	—	—
5. Perform initial inspection.	—	—
6. Disassemble the fuel system.	—	—
7. Diagnose fault(s) and determine maintenance action to be performed.	—	—
8. Identify repair parts and requisition, if required.	—	—
9. Assemble the fuel system.	—	—
10. Assign personnel to perform necessary repairs.	—	—
11. Ensure all safety precautions and procedures are followed.	—	—
12. Provide assistance when necessary.	—	—
13. Ensure the fuel system is repaired in accordance with appropriate technical manuals and references.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection to ensure the fuel system is fully mission capable.	—	—
16. Critique personnel on their job performance.	—	—
17. Ensure maintenance forms are completed as required.	—	—
18. Ensure tools, equipment, and TMDE are properly maintained.	—	—

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

References

Required

TM 3-4230-209-10
TM 3-4230-209-20&P

Related

DA PAM 738-750

**Perform Maintenance of the Boiler Assembly on an M12A1 Decontaminating Apparatus
091-52C-3075**

Conditions: In a shop environment, given an M12 Decontaminating Apparatus, general mechanics tool kit, multimeter, and applicable references.

Standards: Troubleshoot the boiler assembly on the M12 Decontaminating Apparatus IAW applicable technical manuals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the boiler assembly.	—	—
5. Perform initial inspection.	—	—
6. Disassemble the boiler assembly.	—	—
7. Diagnose fault(s) and determine maintenance action to be performed.	—	—
8. Identify repair parts and requisition, if required.	—	—
9. Assemble the boiler assembly.	—	—
10. Assign personnel to perform necessary repairs.	—	—
11. Ensure all safety precautions and procedures are followed.	—	—
12. Provide assistance when necessary.	—	—
13. Ensure the boiler assembly is repaired in accordance with appropriate technical manuals and references.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection to ensure the boiler assembly is fully mission capable.	—	—
16. Critique personnel on their job performance.	—	—
17. Ensure maintenance forms are completed as required.	—	—
18. Ensure tools, equipment, and TMDE are properly maintained.	—	—

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

References

Required

TM 3-4230-209-10
TM 3-4230-209-20&P

Related

DA PAM 738-750

**Perform Maintenance of the Water Assembly on an M12A1 Decontaminating Apparatus
091-52C-3076**

Conditions: In a shop environment, given an M12 Decontaminating Apparatus, general mechanics tool kit, multimeter, and applicable references.

Standards: Troubleshoot the water assembly on the M12 Decontaminating Apparatus IAW applicable technical manuals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the water assembly.	—	—
5. Perform initial inspection.	—	—
6. Disassemble the water assembly.	—	—
7. Diagnose fault(s) and determine maintenance action to be performed.	—	—
8. Identify repair parts and requisition, if required.	—	—
9. Assemble the water assembly.	—	—
10. Assign personnel to perform necessary repairs.	—	—
11. Ensure all safety precautions and procedures are followed.	—	—
12. Provide assistance when necessary.	—	—
13. Ensure the water assembly is repaired in accordance with appropriate technical manuals and references.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection to ensure the water assembly is fully mission capable.	—	—
16. Critique personnel on their job performance.	—	—
17. Ensure maintenance forms are completed as required.	—	—
18. Ensure tools, equipment, and TMDE are properly maintained.	—	—

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

References

Required

- DA PAM 738-750
- TM 3-4230-209-10
- TM 3-4230-209-20&P

Related

**Perform Maintenance of the Reverse Osmosis Pump on a 600 GPH ROWPU
091-52C-3077**

Conditions: In a shop environment, given an M116A2 trailer mounted steam cleaner, general mechanics tool kit, multimeter, and TM 9-4940-531-14.

Standards: Troubleshoot the fuel system on the M116A2 steam cleaner IAW applicable technical manuals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the reverse osmosis pump.	—	—
5. Perform initial inspection.	—	—
6. Disassemble the reverse osmosis pump.	—	—
7. Diagnose fault(s) and determine maintenance action to be performed.	—	—
8. Identify repair parts and requisition, if required.	—	—
9. Assemble the reverse osmosis pump.	—	—
10. Assign personnel to perform necessary repairs.	—	—
11. Ensure all safety precautions and procedures are followed.	—	—
12. Provide assistance when necessary.	—	—
13. Ensure the reverse osmosis pump is repaired in accordance with appropriate technical manuals and references.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection to ensure the reverse osmosis pump is fully mission capable.	—	—
16. Critique personnel on their job performance.	—	—
17. Ensure maintenance forms are completed as required.	—	—
18. Ensure tools, equipment, and TMDE are properly maintained.	—	—

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

References

Required

- TM 10-4610-215-10
- TM 10-4610-215-24
- TM 10-4610-239-10
- TM 10-4610-239-24

Related

**Perform Maintenance of the High Pressure Pump Assembly on a 3000 GPH ROWPU
091-52C-3078**

Conditions: In a shop environment, given an M116A2 trailer mounted steam cleaner, general mechanics tool kit, multimeter, and TM 9-4940-531-14.

Standards: Troubleshoot the air system on the M116A2 steam cleaner IAW applicable technical manuals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the high pressure pump assembly.	—	—
5. Perform initial inspection.	—	—
6. Disassemble the high pressure pump assembly.	—	—
7. Diagnose fault(s) and determine maintenance to be performed.	—	—
8. Identify repair parts and requisition, if required.	—	—
9. Assemble the high pressure pump assembly.	—	—
10. Assign personnel to perform necessary repairs.	—	—
11. Ensure all safety precautions and procedures are followed.	—	—
12. Provide assistance when necessary.	—	—
13. Ensure the high pressure water pump is repaired in accordance with appropriate technical manuals and references.	—	—
14. Conduct an in-process inspection.	—	—
15. Perform a final inspection to ensure the control module is fully mission capable.	—	—
16. Critique personnel on their job performance.	—	—
17. Ensure maintenance forms are completed as required.	—	—
18. Ensure tools and equipment are properly maintained.	—	—

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

References

Required

- TM 10-4610-232-12
- TM 10-4610-232-34

Related

**Troubleshoot The Mechanical Systems On The M116A2 Steam Cleaner
091-52C-3079**

Conditions: In a shop environment, given an M116A2 trailer mounted steam cleaner, general mechanics tool kit, multimeter, and TM 9-4940-531-14.

Standards: Troubleshoot the mechanical systems on the M116A2 steam cleaner IAW applicable technical manuals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the electrical system.	—	—
5. Perform initial inspection.	—	—
6. Perform troubleshooting procedures.	—	—
7. Diagnose fault(s) and determine maintenance action to be performed.	—	—
8. Identify repair parts and requisition, if required.	—	—
9. Assign personnel to perform necessary repairs.	—	—
10. Ensure all safety precautions and procedures are followed.	—	—
11. Provide assistance when necessary.	—	—
12. Ensure the electrical system is repaired in accordance with appropriate technical manuals and references.	—	—
13. Conduct an in-process inspection.	—	—
14. Perform a final inspection to ensure the electrical system is fully mission capable.	—	—
15. Critique personnel on their job performance.	—	—
16. Ensure maintenance forms are completed as required.	—	—
17. Ensure tools, equipment, and TMDE, are properly maintained.	—	—

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

References

Required
TM 9-4940-531-14

Related

**Troubleshoot The Fuel System On The M116A2 Steam Cleaner
091-52C-3080**

Conditions: In a shop environment, given an M116A2 steam cleaner, general mechanics tool kit, multimeter, and TM 9-4940-531-14.

Standards: Troubleshoot the water pump system on the M116A2 steam cleaner IAW applicable technical manuals.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Review work request.	—	—
2. Ensure task is within shop capability/authorization.	—	—
3. Ensure applicable technical publications are available.	—	—
4. Ensure proper tools, equipment, and TMDE are available to inspect, repair/replace, and test the fuel system.	—	—
5. Perform initial inspection.	—	—
6. Perform troubleshooting procedures.	—	—
7. Disassemble the fuel system.	—	—
8. Diagnose fault(s) and determine maintenance action to be performed.	—	—
9. Identify repair parts and requisition, if required.	—	—
10. Assemble the fuel system.	—	—
11. Assign personnel to perform necessary repairs.	—	—
12. Ensure all safety precautions and procedures are followed.	—	—
13. Provide assistance when necessary.	—	—
14. Ensure the fuel system is repaired in accordance with appropriate technical manuals and references.	—	—
15. Conduct an in-process inspection.	—	—
16. Perform a final inspection to ensure the fuel system is fully mission capable.	—	—
17. Critique personnel on their job performance.	—	—
18. Ensure maintenance forms are completed as required.	—	—
19. Ensure tools, equipment, and TMDE are properly maintained.	—	—

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

References

Required
TM 9-4940-531-14

Related

**Troubleshoot the Air System on the M116A2 Steam Cleaner
091-52C-3081**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, an M116A2 trailer mounted steam cleaner, general mechanic's tool kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed troubleshooting of the air system on an M116A2 steam cleaner IAW applicable technical publications. When the task was completed, the M116A2 steam cleaner was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the air system.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled the air system.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Identified repair parts and requisitioned, if required.	—	—
10. Assembled the air system.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures were followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the air system was repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the air system was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required
TM 9-4940-531-14

Related

**Troubleshoot the Mechanical Systems on the M116A2 Steam Cleaner
091-52C-3082**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, an M116A2 trailer mounted steam cleaner, general mechanic's tool kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed troubleshooting of the mechanical systems on an M116A2 steam cleaner IAW applicable technical publications. When the task was completed, the M116A2 steam cleaner was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the mechanical systems.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled mechanical systems.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Identified repair parts and requisitioned, if required.	—	—
10. Assembled the mechanical systems.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures were followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the mechanical systems were repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the mechanical systems were fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensured maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 9-4940-531-14

Related

**Troubleshoot the Water Pump System on the M116A2 Steam Cleaner
091-52C-3083**

Conditions: In a field or garrison environment, given a maintenance request or equipment inspection worksheet describing equipment malfunctions, an M116A2 trailer mounted steam cleaner, general mechanic's tool kit, multimeter, additional tools, equipment specified in TMs, repair parts, and applicable maintenance forms and technical publications.

Standards: Performed troubleshooting of the water pump system on an M116A2 steam cleaner IAW applicable technical publications. When the task was completed, the M116A2 steam cleaner was fully mission-capable.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured task was within shop capability/authorization.	—	—
3. Ensured applicable technical publications were available.	—	—
4. Ensured proper tools, equipment, and TMDE were available to inspect, repair/replace, and test the water pump system.	—	—
5. Performed initial inspection.	—	—
6. Performed troubleshooting procedures.	—	—
7. Disassembled the water pump system.	—	—
8. Diagnosed fault(s) and determined maintenance action to be performed.	—	—
9. Identified repair parts and requisitioned, if required.	—	—
10. Assembled the water pump system.	—	—
11. Assigned personnel to perform necessary repairs.	—	—
12. Ensured all safety precautions and procedures were followed.	—	—
13. Provided assistance when necessary.	—	—
14. Ensured the water pump system was repaired IAW appropriate technical manuals and references.	—	—
15. Conducted an in-process inspection.	—	—
16. Performed a final inspection to ensure the water pump assembly was fully mission-capable.	—	—
17. Critiqued personnel on their job performance.	—	—
18. Ensure maintenance forms were completed as required.	—	—
19. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

TM 9-4940-531-14

Related

Subject Area 11: TECHNICAL INSPECTION TASKS

**Perform a Quality Control/Quality Assurance Inspection of Ground Support Equipment
091-52C-3084**

Conditions: In a field or garrison environment, given ground support equipment, necessary tools, equipment specified in TMs, and applicable maintenance forms and technical publications.

Standards: Performed a quality control/quality assurance inspection of ground support equipment IAW applicable technical publications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured applicable technical publications were available.	—	—
3. Ensured proper tools, equipment, and TMDE were available to perform a quality control/quality assurance inspection of ground support equipment.	—	—
4. Performed inspection IAW appropriate technical manuals and references.	—	—
5. Ensured findings were properly annotated on inspection forms.	—	—
6. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

DA FORM 2404
DA FORM 2407
DA PAM 738-750

Related

AR 750-1
DA FORM 2407-1
FM 4-30.3 (FM 9-43-1)
TB 43-0140

**Perform Classification Inspection of Ground Support Equipment
091-52C-3085**

Conditions: In a field or garrison environment, given ground support equipment, necessary tools, equipment specified in TMs, and applicable maintenance forms and technical publications.

Standards: Performed a classification inspection of ground support equipment IAW applicable technical publications.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed work request.	—	—
2. Ensured applicable technical publications were available.	—	—
3. Ensured proper tools, equipment, and TMDE were available to perform a classification inspection of ground support equipment.	—	—
4. Performed inspection in accordance with appropriate technical manuals and references.	—	—
5. Ensured findings were properly annotated on inspection forms.	—	—
6. Ensured tools, equipment, and TMDE were properly maintained.	—	—

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

References

Required

DA FORM 2404
DA FORM 2407
DA PAM 738-750

Related

AR 750-1
DA FORM 2407-1
FM 4-30.3 (FM 9-43-1)
TB 43-0140

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		DATE	
For use of this form, see AR 350-57; the proponent agency is ODCSOPS			
TASK TITLE		TASK NUMBER	
ITEM a	PERFORMANCE STEP TITLE b	SCORE (Check One)	
		PASS c	FAIL d
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
EVALUATOR'S NAME		UNIT	
SOLDIER'S NAME		STATUS <input type="checkbox"/> GO <input type="checkbox"/> NO GO	

DA FORM 5164-R, SEP 85
USAPPC V2.00

EDITION OF DEC 82 IS OBSOLETE

APPENDIX B -**FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)**

DA Form 5165-R (Field Expedient Squad Book) allows the trainer to keep a record of task proficiency for a group of soldiers.

Before evaluation:

1. Obtain a blank copy of DA Form 5165-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Locally reproduce the partially completed form if you are evaluating more than nine soldiers.

During evaluation:

1. Enter the names of the soldiers you are evaluating, one name per column, at the top of the form.
2. Under STATUS, record (in pencil) the date in the GO block if the soldier demonstrated task proficiency to soldier's manual standards. Keep this information current by always recording the most recent date on which the soldier demonstrated task proficiency. Record the date in the NO-GO block if the soldier failed to demonstrate task proficiency to soldier's manual standards. Soldiers who failed to perform the task should be retrained and reevaluated until they can meet the standards. When the standards are met, enter the date in the appropriate GO block and erase the previous entry from the NO-GO block.

After evaluation:

1. Read down each column (GO/NO-GO) to determine the training status of an individual. This will give you a quick indication of which tasks a soldier needs training on.
2. Read across the rows for each task to determine the training status of all soldiers. You can readily see which tasks to focus training on.
3. Line through the STATUS column of any soldier who leaves the unit.

GLOSSARY

Section I **Abbreviations**

ACCP	Army Correspondence Course Program
AIMS	automated information systems manual
AIT	advanced individual training
AN	annually
ANCOC	Advanced Noncommissioned Officers Course
AOAP	Army Oil Analysis Program
AR	Army regulation
ARTEP	Army training and evaluation program
attn	attention
BA	biannually
BC/CS	bottle cleaning/charging station
BNCOC	Basic Noncommissioned Officers Course
BTU	British thermal unit
BW	biweekly
CFM	cubic feet per minute
class	classification
CTT (common task test)	A hands-on test used to evaluate the soldier's proficiency on common tasks.
DA	Department of the Army
DS	direct support
EIC	equipment identification code
FMC	fully mission capable
GPH	gallons per hour
GPM	gallons per minute
GS	general support
HQ	Headquarters

hr	hour(s)
Hz	hertz
IAW	in accordance with
METL	mission essential task list
MO	monthly
MOSC	military occupational specialty code
MSDS	Material Safety Data Sheet
MTP	MOS training plan
NA	not applicable
NCO	noncommissioned officer
NMC	Nonmission Capable
NSN	national stock number
OPORD	Operations Order
Pam	pamphlet
PLL	prescribed load list
pub	publication
QT	quarterly
ROWPU	reverse osmosis water purification unit
SA	semiannually
SAMS	Standard Army Maintenance System
SAMS-1	Standard Army Maintenance System-1
SM	soldier's manual
SM/TG	soldier's manual/trainer's guide
SMCT	soldier's manual of common tasks
SOP	standing operating procedure
STP	soldier training publication
SUST TNG FREQ	sustainment training frequency
SUST TNG SL	Sustainment training skill level

TAMMS	The Army Maintenance Management System
TB	technical bulletin
TM	technical manual
TMDE	test measurement and diagnostic equipment
TRADOC	Training and Doctrine Command
UIC	unit identification code
ULLS	Unit Level Logistics System
ULLS-G	Unit Level Logistics System-Ground
USAOC&S	United States Army Ordnance Center and School
USAOMMCS	United States Army Ordnance, Missile and Munitions Center and School
USAPPC	United States Army Publications and Printing Command
VAC	volts alternating current
WK	weekly

Section II

Terms

Field Manual (FM)

A DA publication that contains doctrine that prescribes how the Army and its organizations function on the battlefield in terms of missions, organizations, personnel, and equipment. The level of detail should facilitate an understanding of "that" and "how" for commanders and staffs to execute their missions and tasks. The FM may also be used to publish selected alliance doctrinal publications that are not readily integrated into other doctrinal literature.

GO, NO GO

A pass-fail grade given when a soldier is evaluated on how well he or she can perform a task. The soldier is either given a pass or fail, that is, GO or NO GO.

MOS (military occupational specialty)

A term used to identify the skills of a group of related jobs and duty positions.

TG (trainer's guide)

A document that provides the information needed by your commander, training manager, and trainer to plan, conduct, and evaluate training in your MOS.

REFERENCES

Required Publications

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

Army Regulations

AR 190-13	The Army Physical Security Program (This Item is Included on EM 0001). 30 September 1993
AR 190-51	Security of Unclassified Army Property (Sensitive and Nonsensitive) (This Item is Included on EM 0001) 30 September 1993
AR 220-1	Unit Status Reporting (This Item is Included on EM 0001) 1 September 1997
AR 25-400-2	The Modern Army Record Keeping System (MARKS) (This Item is Included on EM 0001) 26 February 1993
AR 385-10	The Army Safety Program (This item is included on EM 0001) 23 May 1988
AR 385-40	Accident Reporting and Records (This Item is Included on EM 0001) 1 November 1994
AR 385-55	Prevention of Motor Vehicle Accidents (This item is Included on EM 0001) 12 March 1987
AR 600-55	The Army Driver and Operator Standardization Program (Selection, Training, Testing, and Licensing) (This Item is Included on EM 0001) 31 December 1993
AR 700-138	Army Logistics Readiness and Sustainability (This Item is Included on EM 0001) 16 September 1997
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AR 710-2	Inventory Management Supply Policy Below the Wholesale Level (This Item is on EM 0001) 31 October 1997
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AR 735-11-1	Uniform Settlement of Military Freight Loss and Damage Claims (This Item is Included on EM 0001) 1 January 1988
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AR 750-1	Army Materiel Maintenance Policy and Retail Maintenance Operations (This Item is Included on EM 0001) 1 August 1994
AR 750-43	Army Test, Measurement and Diagnostic Equipment Program (This Item Is Included on EM 0001) 28 November 1997

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DA FORM 2404	Equipment Inspection And Maintenance Worksheet (This Item is Included on EM 0001) 1 April 1979
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DA FORM 5988-E	Equipment Inspection Maintenance Worksheet (EGA) 1 March 1991

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DA PAM 25-30	Consolidated Index of Army Publications and Blank Forms (ISSUED QUARTERLY)(No Printed Copies Exist)(Formerly DA Pam 310-1)(This Item is Included on EM 0001) 1 January 2001
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DA PAM 25-33	User's Guide for Army Publications and Forms (This Item is Included on EM 0001) 15 September 1996
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DA PAM 710-2-2	Supply Support Activity Supply System: Manual Procedures (This Item is on EM 0001) 30 September 1998
DA PAM 738-750	Functional Users Manual for The Army Maintenance Management System (TAMMS) (This Item is Included on EM 0001) 1 August 1994
DA PAM 750-1	Leader's Unit Level Maintenance Handbook (This Item is Included on EM 0001) 15 February 1994

Field Manuals

FM 101-5-1	Operational Terms and Graphics (MCRP 5-2A) 30 September 1997
FM 4-30.3 (FM 9-43-1)	Maintenance Operations and Procedures 1 September 2000
FM 5-170	ENGINEER RECONNAISSANCE 5 May 1998

Other Product Types

17500B	Operating Manual, Robinair Model 17500B, Refrigerant Recovery and Recycle Station
AISM 18-L21-AHN-BUR-UM	Standard Army Maintenance System Level 1 (SAMS-1) End User Manual
AISM 18-L26-AHO-BUR-EM	Standard Army Maintenance System Level 2 (SAMS-2) End User Manual
MOD REFRIG/AIR COND MAN	Modern Refrigeration and Air Conditioning Manual.

Technical Bulletins

TB 43-0211	AOAP Army Oil Analysis Program Guide For Leaders and Users 4 June 1998
TB 43-180	Calibration and Repair Requirements for the Maintenance of Army Materiel (This Item is Included on EM 0022) 1 December 2000

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TM 10-3510-220-10	Operator's Maintenance Manual for Laundry Unit, Trailer-Mounted, Model M85-100 (NSN 3510-01-291-8169) 20 April 1990
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TM 10-4610-215-10	Operator's Manual for Water Purification Unit, Reverse Osmosis, 600 GPH Trailer Mounted Flatbed Cargo, 5 Ton 4 Wheel Tandem ROWPU Model 600-1 (NSN 4610-01-093-2380) and 600 GPH Skid Mounted POWPU Model 600-3(4610-01-113-8651)(TM 08580A-10/1 5 March 1991

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TM 11-6625-3052-14 Operator's, Unit, Direct Support and General Support Maintenance Manual for Digital Multimeter AN/PSM-45 (NSN 6625-01-139-2512) (Reprinted w/Basic Incl C1-2) 10 January 1984

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TM 5-4120-285-15 Operator's Organizational, Direct Support, General Support, and Depot Maintenance Manual: Air Conditioners, Compact Vertical, 208 V 3 Phase; 18,000 BTUH Cooling; 12,000 BTUH Heating (Trane Model MAC 4V20-4950-03), 400 Hz (NSN 4120-00-926-95 9 April 1969

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TM 5-4520-253-13 Operator's Unit, and Intermediate Maintenance Manual for Heater, Space, Multifuel with Blower, 60000 BTU/HR, 120V, UH-68G(NSN 4520-01-203-4410) C1-2 4 November 1986

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68G (NSN 4520-01-203-4410) and Mdl UH-68G1 (4510-01-297-6803)
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TM 9-4120-378-14 OPERATOR'S, UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL FOR AIR CONDITIONER, HORIZONTAL, COMPACT 9,000 BTU/HR, 115 VOLT, SINGLE PHASE 50/60 HZ MODEL A9KH- 115P (EIC: VW 15 July 1993

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TM 9-4940-531-14	Operator's, Unit, Direct Support, and General Support Maintenance Manual For Cleaner, Steam, High Pressure Hot and Cold Water Jet, Trailer-Mounted (NSN 4940-01-025-9856) (EIC:2BC) 1 August 1994
TM 9-5855-252-12	Operator's and Unit Maintenance Manual for Bottle Cleaning and Charging Station, AN/TAM-4(This Item is Included on EM 0163) 10 November 1992
TM 9-5855-252-34	Direct Support and General Support Maintenance Manual for Bottle Cleaning and Charging Station AN/TAM-4 (This Item is Included on EM 0163) 30 November 1992
TM 9-8000	Principles of Automotive Vehicles (Reprinted W/Basic Incl C1) 25 October 1985

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AR 385-10	The Army Safety Program (This item is included on EM 0001) 23 May 1988
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STP 9-52C13-SM-TG
26 APRIL 2001

By Order of the Secretary of the Army:

ERIC K. SHINSEKI
General, United States Army
Chief of Staff

Official:


JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
0113701

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