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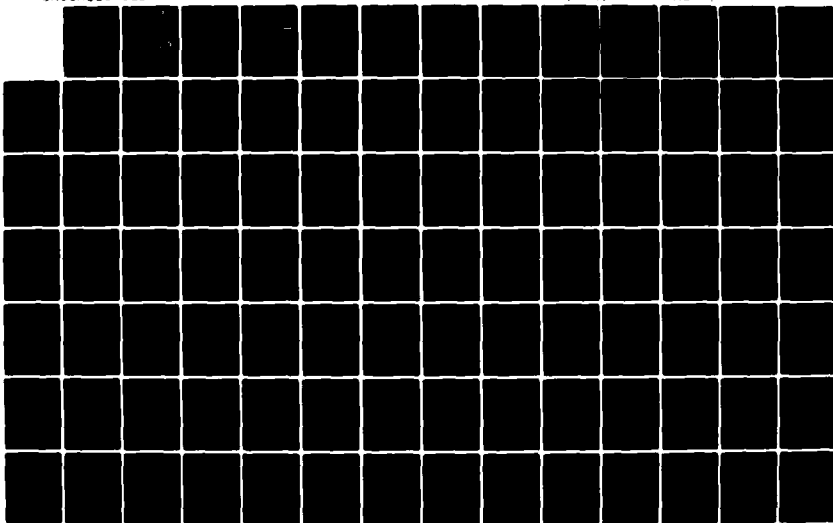
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 63B WHEEL
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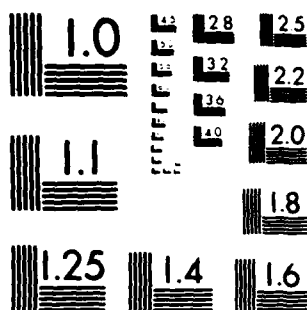
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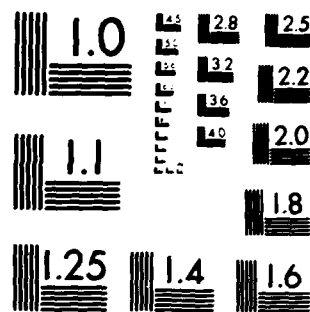
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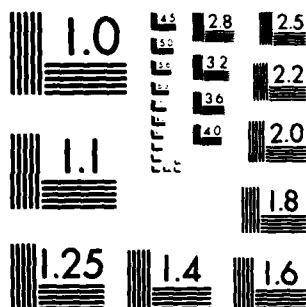




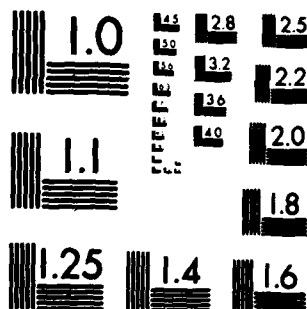
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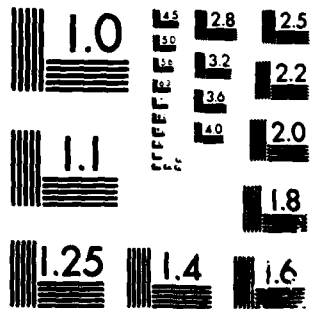
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JOB LANGUAGE PERFORMANCE REQUIREMENTS

FOR 63B

MOS

WHEEL VEHICLE MECHANIC

REFERENCE SOLDIER'S MANUAL DATED

14 January 1977

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Job Language Performance Requirements (JLPR) study was conducted to determine language tasks the soldier must do in studying/performing job tasks. The language skills (listening, reading, writing, speaking) required to learn each Army job task were identified, conditions studied and standards determined. The data that generated the JLPR is identified. A		

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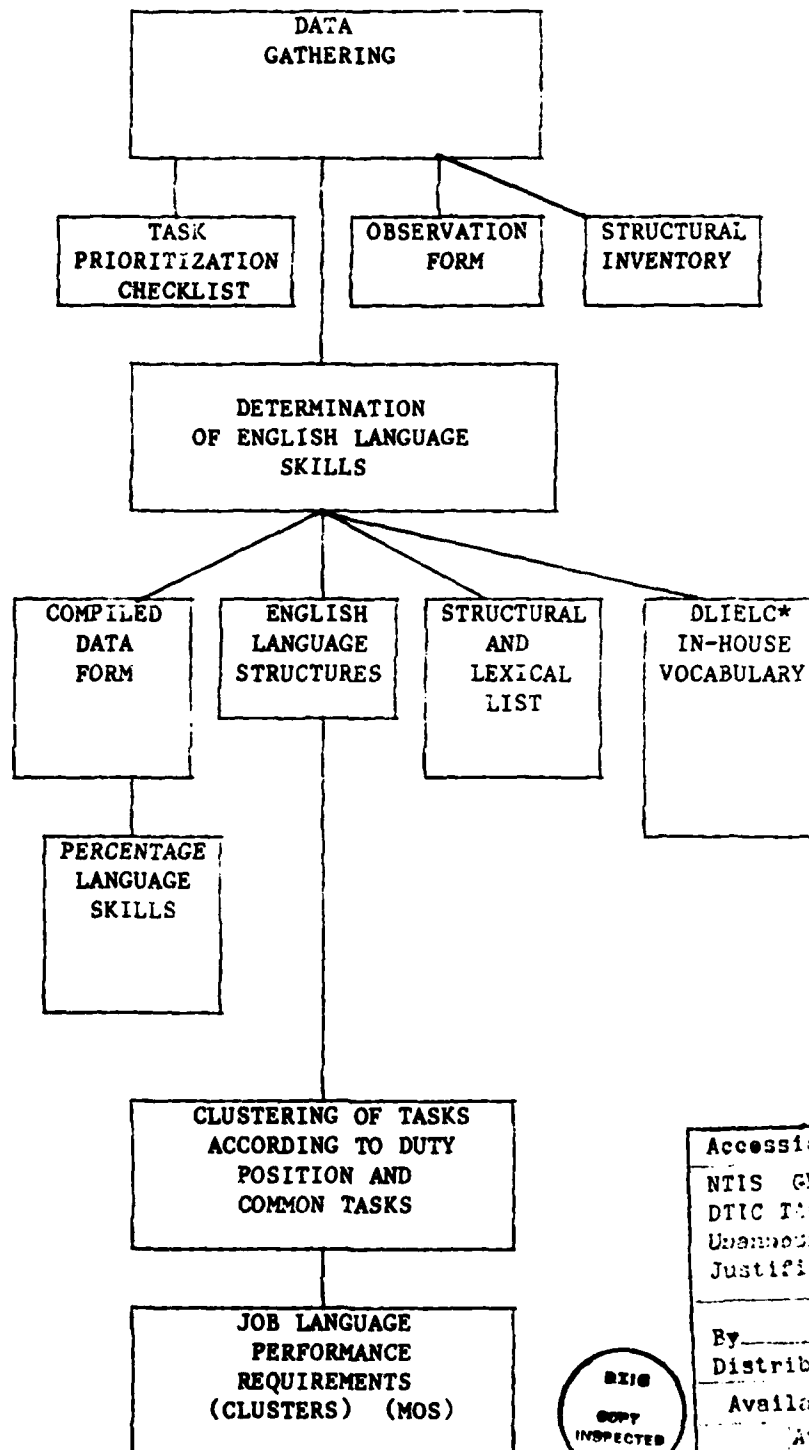


FIGURE 1

*Defense Language Institute English Language Center

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PREFACE

INSTRUCTIONS FOR REVIEW OF JOB LANGUAGE PERFORMANCE REQUIREMENTS

This report is organized in six main sections. Sections I-IV discuss methods, forms and rationale for gathering, organizing and analyzing research data used to develop Job Language Performance Requirements (JLPR). Please look through these sections to get a general understanding of the background underlying the JLPR. Sections V and VI are the major substantive portions of the analysis. They are the results of the analysis and constitute the basis for development of any MOS-oriented English language materials. Section V contains the JLPR by cluster/topic, while Section VI contains the JLPR covering the entire range of clusters/topics.

The appendices, one through eight, contain all the information used to determine the Job Language Performance Requirements. Please write any suggestions or changes directly on the document or attach additional notes, if necessary.

The points covered in the six major sections are supported in greater detail in eight appendices. Below is an overview of these appendices.

Appendix one contains the Task Prioritization Checklist. It was taken to the field to collect the raw data. This form was approved for use by the Department of the Army.

Appendix two contains the Task Inventory Compiled Data Form. It was used to organize data from Unit and AIT respondents.

Appendix three defines the language skills by percentage. This form includes computations of language skills for each task cluster.

Appendix four contains the Observation Form used in the recording of types of listening and speaking skills required, as seen by observers, in the learning and performing of a task. The variety of environmental situations is also included on this form.

Appendix five contains the final list of structural and lexical items found through data gathering and organization.

Appendix six contains the DLIELC in-house vocabulary list. This is a task by task listing of the vocabulary extracted from the Soldier's Manual.

Appendix seven contains the machine-generated vocabulary for this MOS prepared by the United States Army Training and Doctrine Command (TRADOC), Fort Monroe, Virginia.

Appendix eight contains the list of structural and lexical items requisite to this MOS.

Thank you for your cooperation. It is greatly appreciated.

SECTION I

DATA GATHERING

INTRODUCTION

This section discusses the procedures and forms in the gathering of data used to determine the Job Language Performance Requirements for this MOS.

SECTION I: DATA GATHERING

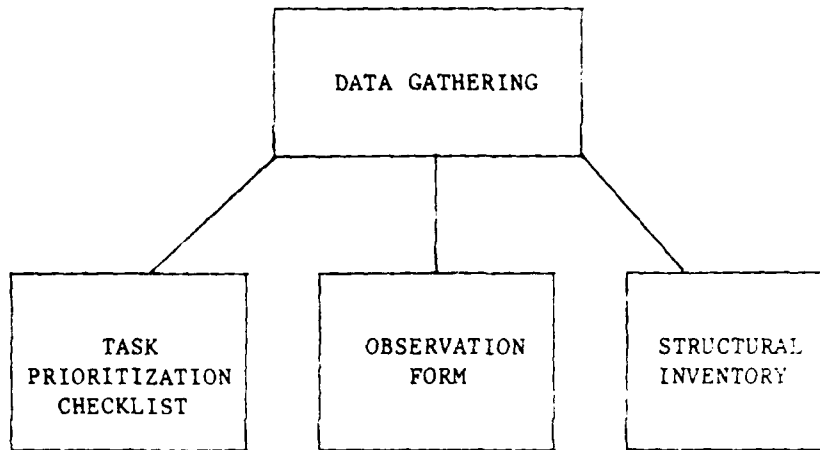


FIGURE 2

In order to establish Job Language Performance Requirements for this MOS the curriculum development specialists at the Defense Language Institute English Language Center (DLIELC) analyzed the current learning and working situations, and individual tasks. The goal was to collect data which would help identify the Job Language Performance Requirements pertinent to this MOS.

To conduct this analysis, training specialists visited the AIT School and Unit cadre. Interviews were conducted using a Task Prioritization Checklist, (Appendix 1). For each task, first-line supervisors answered the following questions:

1. Is the task taught?
2. How is the task taught?
3. Is the task tested?
4. How is the task tested?
5. How important are speaking, listening, reading and writing in learning and performing the task?
6. What are the results of poor performance in performing the task.

Additional data were gathered through use of an Observation Form and an analysis of language structures in the Soldier's Manual for this MOS.

The Observation Form (Appendix 4) was used to record actual observations of the learning situations, populations, tasks, and language.

The lexical and structural analysis was done by a panel of language specialists who first listed all structures found in the Soldier's Manual for this MOS and then all structures, standard and non-standard, noted on the Observation Forms for all vocabulary from the Soldier's Manual. All lists were then combined into an overall lexical and structural inventory.

SUMMARY/CONCLUSION:

The tools for data gathering were:

1. The Task Prioritization Checklist (Appendix 1)
2. The Task Inventory Compiled Data Form (Appendix 2)
3. The Observation Form (Appendix 4)
4. A Structural and Lexical Inventory (consisting of rough drafts of all vocabulary and structures in this MOS).

These tools were used to form the data pool from which the Job Language Requirements were determined.

Q

SECTION II

DETERMINATION OF ENGLISH LANGUAGE SKILLS

INTRODUCTION

This section discusses the organization of the raw data into information used to determine the English language skills pertinent to this MOS.

SECTION II: DETERMINATION OF ENGLISH LANGUAGE SKILLS

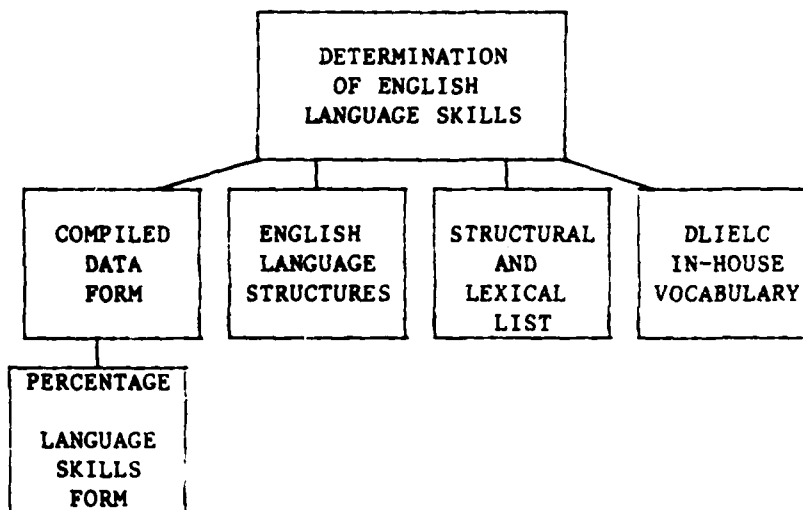


FIGURE 3

The raw data collected as described in Section II above was used to determine the English Language skills which the soldier must learn to learn and perform the task. The Compiled Data Form, Appendix 2, was used to organize the observation and analysis data. Selected information from the Task Prioritization Checklist was recorded directly on this form. Specifically three variables were used to determine the language skills involved. They were:

1. Methods of teaching.
2. Methods of testing.
3. The actual respondents' ratings of the four English language skills.

From each of the three variables the following skills were determined:

VARIABLE	ENGLISH LANGUAGE SKILLS
Methods of Teaching demonstration lecture hands on self-paced	listening, listening, writing listening reading, writing

Methods of Testing performance oral written	listening speaking writing, reading
Rating of English Language Skills listening speaking reading writing	*a response of 2 or 3 on a scale of 1 to 3 was tallied a response of 1, 2, or 3 on a scale of 1 to 5 was tallied

*See A1

In order to determine the relations of the various skills in the MOS, data from the three variables were tallied on the Percentage Language Skills Form. An average was then found using the following formula:

$$TR \div TxVxR = \% \text{ of use}$$

T = total number of tasks per cluster

V = language skill variable per cluster**

R = maximum number of respondents in any task in that cluster

TR = total tally of responses per task per skill

% of use = use of the language skill in the task

Percentages found in this MOS were:

Listening	48%
Speaking	25%
Reading	26%
Writing	20%

As shown by the figures, listening is the most important skill in this MOS. However, in particular duty sections, percentages varied. Appendix 3, the Percentage Language Skills Form, shows the actual skill percentages in each duty position.

**See A3

Organization of structural and lexical items was done by comparing a structural and lexical list extracted from the Soldier's Manual with a structural inventory list extracted from ALC (American Language Center) materials through Volume 2400, at the end of which a trainee is normally qualified for Specialized English Technical Terminology training. By comparing the lists redundancies were eliminated, leaving the final list of structural and lexical items indicated by grammatical title in Appendix 5.

SUMMARY/CONCLUSION:

Organization of the data included the recording of responses on the Task Inventory Compiled Data Form, use of the Percentage Language Skills Form, and the DLIELC in-house structural analysis list. Skills were analyzed by duty section. The actual lexical items in this MOS were grouped and listed task by task. This information was then used to determine the specific Job Language Performance Requirements.

SECTION III

CLUSTERING OF COMMON AND DUTY POSITION TASKS

INTRODUCTION

Due to the overlapping of certain elements among the various MOS, tasks were clustered in order to prevent duplication of effort for each MOS.

This section contains a listing of the clusters for this MOS.

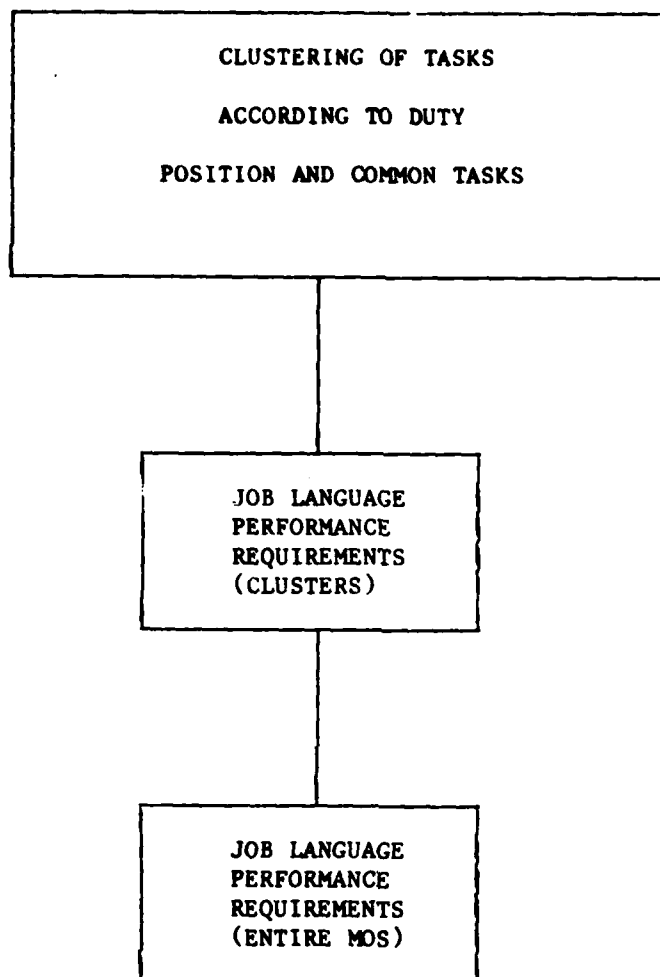


FIGURE 4

SECTION III: CLUSTERING OF COMMON AND DUTY POSITION TASKS

Clustering was done by using the common and duty position tasks in the Soldier's Manual.

The following clusters are in this MOS:

1. FIRST AID
2. NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS
3. INDIVIDUAL FITNESS
4. BASIC INDIVIDUAL TECHNIQUES
5. CAMOUFLAGE
6. LAND NAVIGATION
7. M16A1 RIFLE
8. LOGISTICAL MANAGEMENT
9. SUPPLY
10. MAINTENANCE
11. WHEELED VEHICLE ENGINES AND IGNITION SYSTEMS
12. WHEELED VEHICLE COOLING SYSTEMS
13. WHEELED VEHICLE FUEL SYSTEMS
14. WHEELED VEHICLE AIR INDUCTION AND EXHAUST SYSTEMS
15. WHEELED VEHICLE ELECTRICAL SYSTEMS
16. WHEELED VEHICLE POWER TRAINS AND COMPONENTS
17. WHEELED VEHICLE BRAKE SYSTEMS
18. WHEELED VEHICLE STEERING SYSTEMS
19. WHEELED VEHICLE SUSPENSION SYSTEMS
20. WHEELED VEHICLE CRANES AND WINCHES

SECTION IV

JOB LANGUAGE PERFORMANCE REQUIREMENTS

INTRODUCTION

This section discusses the format for the Job Language Performance Requirements.

SECTION IV: JOB LANGUAGE PERFORMANCE REQUIREMENTS

The format for the Job Language Performance Requirements is:

TASK:
CONDITION:
STANDARD:

A. TASK

The Job Language Performance Requirements state the language tasks the soldier must do in studying/performing specific MOS job tasks. A task addressing language would be one of reading, listening, speaking or writing. Job tasks, as seen in the Soldier's Manual, are those which pertain to the soldier's duties. To write these as language tasks required the following explanations of what the soldier would speak, read, listen and write. Below are the kinds of explanations that had to be made in this MOS.

SPEAKING

Produces oral utterances to report/inform/explain/elicit response/respond.

Analysis of this MOS indicates verbal reports entailing those activities directly related to the soldier's job tasks.

The speaking act to respond or elicit response in this MOS is an oral response to a command or visual signal.

Speaking to explain involves situations of instruction in any training situation.

Speaking to inform involves producing oral utterances to communicate necessary information.

READING

Read for information/to learn.

Printed and written materials are used throughout this MOS. The soldier is expected to read technical manuals, field manuals, soldier's manual, written communication and audio-visual aids. Content of these materials is presented in formats and styles ranging from simple factual words or sentences to complex passages containing highly technical vocabulary, often with ellipsis. The purpose is to teach the student, so the student reads them to learn. Reading to learn involves reading names, attributes, information, procedures, explanations of how systems work, concepts, vocabulary terms, and definitions which are committed to short or long term memory for immediate or later recognition.

C. STANDARDS

The standard for our purpose is 100%. A standard for understanding or speaking cannot be tested as saying the soldier will disassemble a .45 caliber pistol in eight minutes. Because of this, 100% understandable speech or 100% legibility is used as a reference.

SUMMARY/CONCLUSION:

The Job Language Performance Requirements including tasks, conditions, and standards, were first written for each task cluster. The clusters were then combined into the Job Language Performance Requirements for the entire MOS.

SECTION V

JOB LANGUAGE PERFORMANCE REQUIREMENTS (CLUSTERED)

INTRODUCTION

Sections I, II, III, and IV described how Job Language Performance Requirements were identified and constructed.

This section contains the Job Language Performance Requirements for each task cluster pertinent to this MOS.

FIRST AID

I. PERCENTAGE LANGUAGE SKILLS

Listening	52%
Speaking	38%
Reading	22%
Writing	24%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce oral utterances to explain
CONDITIONS:	Given a simple medical scenario requiring an oral interpretation in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral communication
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, procedures, tables and explanations
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

091-63A-1070	Determine First Aid Measures To Be Applied To A Casualty
091-63A-1071	Perform Artificial Respiration Using Chest Pressure-Arm Lift Method
091-63A-1072	Perform Artificial Respiration Using Mouth-To-Mouth Method
091-63A-1073	Stop The Bleeding Of A Wound
091-63A-1074	Administer Shock Control Measures To A Casualty
091-63A-2075	Describe First Aid Treatment Of Burns
091-63A-2076	Apply First Aid Measures For Fractures, Sprains, and Dislocations
091-63A-2077	Describe First Aid Measures For Removing Foreign Object From Eye
091-63A-2078	Describe Treatment Of Environmental Injuries

NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	66%
Speaking	52%
Reading	35%
Writing	34%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Listen to perform
CONDITIONS:	Given oral warnings or verbal commands regarding simulated NBC situations (scenarios) in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given NBC situations requiring oral alarms
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, captioned illustrations and notations defined as explanations
STANDARDS:	100% understanding of printed content
TASK:	Write to report
CONDITIONS:	Given a requirement to produce a written report
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1001	Put On Protective Mask
091-63A-1002	Give NBC Alarms And Warnings
091-63A-1003	Recognize And Interpret Markers For Areas Of NBC Contamination And Hazards

091-63A-1004 Decontaminate Your Skin Using The M58 Training Kit
091-63A-1005 Decontaminate Your Individual Weapon Using ABC-M13 Kit
091-63A-1006 Apply First Aid Measures To A Chemical Casualty
091-63A-1007 Inspect And Maintain M17 Or M17A1 Protective Mask And Its Carrier
091-63A-1008 Take Defense Actions Against Effects Of A Nuclear Burst And Possible Resulting Fallout
091-63A-2009 Identify The Three Types And Describe Effects Of Nuclear Bursts
091-63A-2010 Describe Actions For Crossing A Radiologically Contaminated Area

INDIVIDUAL FITNESS

I. PERCENTAGE LANGUAGE SKILLS

Listening	33%
Speaking	13%
Reading	8%
Writing	9%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understanding of oral communication

III. TASK NUMBERS AND TITLES

091-63A-1100	Maintain An Appropriate Level Of Physical Fitness (MALE ONLY)
091-63A-1101	Maintain An Appropriate Level Of Physical Fitness (FEMALE ONLY)

BASIC INDIVIDUAL TECHNIQUES

I. PERCENTAGE LANGUAGE SKILLS

Listening	68%
Speaking	25%
Reading	21%
Writing	22%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understandable oral responses

III. TASK NUMBERS AND TITLES

091-63A-1120 Maintain Individual Weapons

CAMOUFLAGE

I. PERCENTAGE LANGUAGE SKILLS

Listening	63%
Speaking	44%
Reading	29%
Writing	25%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to produce a written report
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1050 Camouflage Yourself And Your Weapon

LAND NAVIGATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	50%
Speaking	28%
Reading	47%
Writing	45%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of captioned illustrations, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to produce a written report
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-2140	Measure A Magnetic Azimuth With A Compass
091-63A-2141	Measure An Azimuth On A Map With A Protractor
091-63A-2142	Convert A Magnetic Azimuth To a Grid Azimuth
091-63A-2143	Measure Ground Distance On A Map
091-63A-2144	Locate A Point On A Map Using Military Grid Reference System
091-63A-2145	Orient A Map Using A Compass
091-63A-2146	Determine Your Location On A Map
091-63A-2147	Locate An Unknown Point By Intersection
091-63A-2148	Locate An Unknown Point By Resection
091-63A-2149	Determine Elevation And Relief On A Map
091-63A-2150	Use Map Legend Data To Identify Symbols On A Map

M16A1 RIFLE

I. PERCENTAGE LANGUAGE SKILLS

Listening	69%
Speaking	33%
Reading	19%
Writing	19%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understandable oral responses

TASK: Write to record
CONDITIONS: Given a requirement to complete a range card
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1121 Perform Battlesight Zeroing Of M16A1 Rifle

LOGISTICAL MANAGEMENT

I. PERCENTAGE LANGUAGE SKILLS

Listening	30%
Speaking	14%
Reading	31%
Writing	33%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete DA forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1300	Use Department Of The Army (DA) Pamphlet 310-4
091-63A-1301	Prepare TAMMS Forms Used By Vehicle Operator
091-63A-1302	Perform Equipment Serviceability Criteria (ESC)
091-63A-2303	Use DA Pam 310-7
091-63A-2304	Describe Types Of Modification Work Orders (MWO)

SUPPLY

I. PERCENTAGE LANGUAGE SKILLS

Listening 43%
Speaking 25%
Reading 47%
Writing 43%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen for information
CONDITIONS: Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understanding of oral information

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understandable oral responses

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of manuals, references, forms and logs
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given a requirement to complete DA forms and logs
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1340 Locate And Record National Stock Number (NSN) For A Repair Part
091-63A-2341 Complete Entries On Document Register For Supply Action (DA Form 2064) And On Record Of Demands (DA Form 3318)

MAINTENANCE

I. PERCENTAGE LANGUAGE SKILLS

Listening	47%
Speaking	25%
Reading	22%
Writing	25%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen for information
CONDITIONS: Given oral instructions to perform specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understanding of oral information

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understandable oral responses

TASK: Write to record and report
CONDITIONS: Given a requirement to produce a written report
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1360	Maintain Assigned Tool Kit/Set
091-63A-1361	Maintain Individual Clothing And Equipment

WHEELED VEHICLE ENGINES AND IGNITION SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	62%
Speaking	24%
Reading	36%
Writing	25%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce oral utterances to inform
CONDITIONS:	Given a requirement to make a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, charts, tables, captioned illustrations, explanations and procedures
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63B-1401	Inspect Vehicle Engines
091-63B-1402	Troubleshoot Vehicle Engines
091-63B-1403	Perform Primary Circuit Resistance Test On 1/4-Ton Truck
091-63B-1404	Perform Breaker Point Dwell Test On 1-1/4-Ton Truck
091-63B-1405	Remove And Clean Spark Plugs And Set Spark Plug Gap
091-63B-1406	Approximate Timing By Distributor Positioning
091-63B-1407	Perform Precision Timing Of An Engine
091-63B-1408	Perform A Compression Test On A Vehicle Engine
091-63B-1409	Perform A Manifold Vacuum Test On A Carbureted Engine
091-63B-1410	Use Torque Wrench To Torque Bolts
091-63B-1411	Adjust Valve Tappets
091-63B-1412	Remove And Install Oil Filter Element On 1-1/4-Ton Truck M561
091-63B-1413	Replace Intake And Exhaust Manifolds
091-63B-1414	Remove And Install Air Box Drain Tube On A 1-1/4-Ton Truck M561

WHEELED VEHICLE COOLING SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	61%
Speaking	23%
Reading	37%
Writing	20%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of manuals and references
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

091-63B-1431	Replace Thermostat
091-63B-1432	Perform An Air Suction Test On A Cooling System Of Medium Wrecker M816
091-63B-1433	Remove And Install A Water Pump On A 2-1/2-Ton Truck M35
091-63B-1434	Remove And Replace The Radiator On A 2-1/2-Ton Truck M35A2

WHEELED VEHICLE FUEL SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	40%
Speaking	15%
Reading	21%
Writing	11%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen for information

CONDITIONS: Given oral instructions to perform specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)

STANDARDS: 100% understanding of oral information

III. TASK NUMBERS AND TITLES

091-63B-1445	Perform A Fuel Pump Pressure Test On A 1/4-Ton Truck M151A2
091-63B-1446	Adjust The Choke, Throttle, And Accelerator Controls On The 1/4-Ton Truck M151
091-63B-1447	Adjust The Idle And Idle Mixture On The Carburetor Of The M151-Series 1/4-Ton Truck
091-63B-1448	Remove And Replace Carburetor On An M151-Series 1/4-Ton Truck
091-63B-1449	Check Fuel Pump Safety Switch (Oil Pressure Safety Switch)
091-63B-1450	Adjust Accelerator Linkage On 1-1/4-Ton Truck M561
091-63B-1451	Adjust Engine Stop Cable On A 1/4-Ton Truck M561
091-63B-1452	Troubleshoot Bosch Fuel System On A 2-1/2-Ton Truck M35A2
091-63B-1453	Inspect And Replace Engine Fuel Filters
091-63B-1454	Replace Fuel Tank Pump And Fuse Assembly
091-63B-1455	Remove, Service, And Install Primary Fuel Filter Element On The 8-Ton Truck M520
091-63B-1456	Remove And Replace Secondary Fuel Filter Element On The 8-Ton Truck M520

WHEELED VEHICLE AIR INDUCTION AND EXHAUST SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	44%
Speaking	15%
Reading	18%
Writing	7%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen for information
CONDITIONS: Given oral instructions to perform specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understanding of oral information

III. TASK NUMBERS AND TITLES

091-63B-1467	Remove, Service, Repair, And Install An Air Cleaner
091-63B-1468	Remove And Install Air Cleaner Element On A 1-1/4-Ton Truck M561
091-63B-1469	Remove And Install Air Cleaner Lines On A 1-1/4-Ton Truck M561
091-63B-1470	Remove A Defective Muffler From A 1-1/4-Ton Truck M561
091-63B-1471	Replace A Defective Tailpipe On A 1-1/4-Ton Truck M561

WHEELED VEHICLE ELECTRICAL SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	49%
Speaking	23%
Reading	27%
Writing	17%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, explanations and procedures
STANDARDS:	100% understanding of printed material

III. TASK NUMBERS AND TITLES

091-63B-1482	Perform A DC Voltage Test Using A Multimeter
091-63B-1483	Perform An AC Voltage Test Using A Multimeter
091-63B-1484	Perform A Resistance Test Using A Multimeter
091-63B-1485	Perform A Continuity Test On An Electrical Circuit Using A Multimeter
091-63B-1486	Perform A DC Voltage Test Using A Low Voltage Circuit Tester (LVCT)
091-63B-1487	Perform A DC Current Test Using A Low Voltage Circuit Tester (LVCT)
091-63B-1488	Perform A Load Bank And Field Resistance Test Using The Low Voltage Circuit Tester (LVCT)
091-63B-1489	Inspect The Batteries In A Wheeled Vehicle
091-63B-1490	Inspect The Electrical System On A Wheeled Vehicle
091-63B-1491	Remove And Replace The Generator Or Alternator On Wheeled Vehicles
091-63B-1492	Repair Defective Wire In A Vehicle Wiring Harness
091-63B-1493	Troubleshoot Windshield Wiper Circuit
091-63B-1494	Perform Generator Load Test, 25-Ampere DC Generator, On An M151-Series 1/4-Ton Truck
091-63B-1495	Troubleshoot Battery-Generator Indicator Gage
091-63B-1496	Troubleshoot Directional Signal System
091-63B-1497	Troubleshoot Lighting System On An M151-Series 1/4-Ton Truck

091-63B-1498 Perform Voltage Regulator Test
091-63B-1499 Perform Current Limiter Test On A Generator Regulator
091-63B-1500 Perform A Horn Circuit Voltage Test
091-63B-1501 Perform An Alternator Output Test
091-63B-1502 Remove And Replace Starter Motor
091-63B-1503 Repair And Install A Damaged Cable Assembly

WHEELED VEHICLE POWER TRAINS AND COMPONENTS

I. PERCENTAGE LANGUAGE SKILLS

Listening	42%
Speaking	20%
Reading	22%
Writing	12%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen for information
CONDITIONS:	Given oral instructions to perform specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral information
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, explanations and procedures
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

091-63B-1517	Inspect The Power Trains Of Wheeled Vehicles
091-63B-1518	Troubleshoot Clutches On Wheeled Vehicles
091-63B-1519	Adjust Clutch Linkage On An M151-Series 1/4-Ton Truck
091-63B-1520	Adjust Clutch Pedal Free Travel On An M816 Medium Wrecker
091-63B-1521	Disassemble Transmission Control
091-63B-1522	Adjust Transmission Control And Linkage
091-63B-1523	Troubleshoot Automatic Transmissions
091-63B-1524	Remove And Install Propeller Shafts
091-63B-1525	Inspect, Service, Replace Hub And Brakedrum Assembly, Inner Oil Seal, And Bearing Cones And Cups To Include Wheel Bearing Adjustment
091-63B-1526	Inspect, Repair, And Replace Front Axle Shaft With Universal Joint

WHEELED VEHICLE BRAKE SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	51%
Speaking	26%
Reading	27%
Writing	14%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, explanations and procedures
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

091-63B-1544	Inspect Brake Systems On Wheeled Vehicles
091-63B-1545	Troubleshoot The Brake System On A Wheeled Vehicle
091-63B-1546	Remove And Replace A Service Brake Drum, Shoe, And Lining Assembly On M151-Series 1/4-Ton Truck
091-63B-1547	Adjust Parking Brake Handle And Linkage On The 1-1/4-Ton Truck M561
091-63B-1548	Remove And Replace Parking Brake Drum And Shoes On The 1-1/4-Ton Truck M561
091-63B-1549	Remove And Replace The Service Brake Assembly On The 1-1/4-Ton Truck M561
091-63B-1550	Adjust And Bleed The Service Brakes On The 1-1/4-Ton Truck M561
091-63B-1551	Perform A Service Brake Pedal Free Travel Adjustment On A 2-1/2-Ton Truck M35A2
091-63B-1552	Perform Major Brake Adjustment On A 2-1/2-Ton Truck M35A2
091-63B-1553	Remove And Replace A Master Cylinder
091-63B-1554	Remove And Replace An Air Reservoir On A 2-1/2-Ton Truck M35A2

091-63B-1555 Remove And Replace The Air-Hydraulic Cylinder On A 2-1/2-Ton Truck M35A2
091-63B-1556 Remove Wheel Cylinder On A 2-1/2-Ton Truck M35A2
091-63B-1557 Bleed Hydraulic Brake System On A 2-1/2-Ton Truck M35A2
091-63B-1558 Remove And Install A Brake Pedal And Linkage On A 2-1/2-Ton Truck M35A2
091-63B-1559 Remove And Replace The Hand Brake Lever And Linkage On A 2-1/2-Ton Truck M35A2 .
091-63B-1560 Replace And Adjust Hand Brake Shoes And Drum

WHEELED VEHICLE STEERING SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	30%
Speaking	12%
Reading	15%
Writing	3%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen for information
CONDITIONS: Given oral instructions to perform specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS: 100% understanding of oral information

III. TASK NUMBERS AND TITLES

091-63B-1579	Inspect The Steering System On A Wheeled Vehicle
091-63B-1580	Adjust Toe-In On A Wheeled Vehicle
091-63B-1581	Repair Steering Systems On Wheeled Vehicles
091-63B-1582	Remove And Replace A Steering Wheel
091-63B-1583	Remove And Replace Idler Arm
091-63B-1584	Perform Tractor And Carrier Toe-In Adjustment On A 1-1/4-Ton Truck M561
091-63B-1585	Remove Tractor And Carrier Steering Knuckle On A 1-1/4-Ton Truck M561
091-63B-1586	Install Steering Knuckle On A 1-1/4-Ton Truck M561
091-63B-1587	Remove And Install Tractor Pitman Arm On A 1-1/4-Ton Truck M561
091-63B-1588	Remove And Install A Tractor Steering Gear Box On A 1-1/4-Ton Truck M561
091-63B-1589	Remove And Install A Tractor Idler Arm On A 1-1/4-Ton Truck M561
091-63B-1590	Remove, Disassemble, Inspect, And Install Tractor And Carrier Tie Rod Assemblies On A 1-1/4-Ton Truck M561
091-63B-1591	Perform A Steering Gear Adjustment On A 2-1/2-Ton Cargo Truck M35A2
091-63B-1592	Repair, Replace, And Adjust A Drag Link
091-63B-1593	Remove And Install A Steering Knuckle Boot
091-63B-1594	Perform Power Steering Cylinder Travel Adjustment
091-63B-1595	Remove And Install Steering Column Bushings
091-63B-1596	Install Power Steering Pressure Hose, Return Hose, And Related Parts

WHEELED VEHICLE SUSPENSION SYSTEMS

I. PERCENTAGE LANGUAGE SKILLS

Listening	20%
Speaking	10%
Reading	13%
Writing	8%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen for information
CONDITIONS:	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral information
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of explanations, instructions, manuals and references
STANDARDS:	100% understanding of printed content

III. TASK NUMBERS AND TITLES

091-63B-1613	Inspect The Suspension Systems On Wheeled Vehicles
091-63B-1614	Troubleshoot Wheeled Vehicle Suspension Systems
091-63B-1615	Repair Wheeled Vehicle Suspension Systems
091-63B-1616	Remove And Replace Shock Absorbers
091-63B-1617	Remove And Replace Front Lower Ball Joints
091-63B-1618	Remove, Inspect, Repair, And Install A Tractor Front Torque Tube Bearing Assembly On A 1-1/4-Ton Truck M561
091-63B-1619	Remove Front And Rear Upper Suspension Arms On A 1-1/4-Ton Truck M561
091-63B-1620	Install Tractor Front And Carrier Shock Absorbers
091-63B-1621	Remove Center Axle Leaf Springs
091-63B-1622	Install Center Axle Leaf Springs
091-63B-1623	Remove Inner And Outer Center Axle Shock Absorbers
091-63B-1624	Remove And Replace Front Springs
091-63B-1625	Remove, Inspect, And Replace Rear Spring Seats On A 2-1/2-Ton Truck
091-63B-1626	Remove And Replace The Rear Spring Assembly On The 5-Ton Truck M809
091-63B-1627	Remove And Replace The Front Spring And Shackles On The 5-Ton Truck M809

WHEELED VEHICLE CRANES AND WINCHES

I. PERCENTAGE LANGUAGE SKILLS

Listening	48%
Speaking	32%
Reading	13%
Writing	12%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 6)
STANDARDS:	100% understandable oral responses

III. TASK NUMBERS AND TITLES

091-63B-1641	Operate Front Winch On A Wrecker Truck M816
091-63B-1642	Operate Rear Winch On A Wrecker Truck M816
091-63B-1643	Perform Lifting Operation With A Wrecker Truck M816
091-63B-1644	Test And Adjust Pressure Relief Valve
091-63B-1645	Remove And Install A Front Winch Cable On A Medium Wrecker M816
091-63B-1646	Adjust Winch Brakes And Cable Tensioner
091-63B-1647	Adjust Front Winch Automatic Brake
091-63B-1648	Replace Front Winch Shearpin
091-63B-1649	Maintain And Use Basic Issue Items

SECTION VI

JOB LANGUAGE PERFORMANCE REQUIREMENTS (Entire MOS)

INTRODUCTION

This section contains language tasks for each generic skill for this MOS. Listed below each task are the types of receptive or productive language activity involved.

LISTENING

- TASK:** Understand oral language intended to inform or instruct.
- CONDITIONS:** Given explanations, procedures, rules, instructions or definitions in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5 & 6)
- STANDARDS:** 100% understanding and assimilation of presented oral language task.

The following are specific conditions found in this language task:

Warnings
Described situations
Directions
Lectures
Commands, Orders
Sound tracks (films, tapes)
Standard/Non-standard English
Instructions
SQT questions

- TASK:** Understand spontaneous oral language or language via a technical medium - such as a radio telephone - intended to inform and elicit responses.
- CONDITIONS:** Given scenarios, questions, commands or requests in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5, & 6)
- STANDARDS:** 100% understanding and assimilation of oral language in order to apply and respond.

The following are specific conditions found in this language task:

Shouting
Radio communications
Coded messages
Spellings
Conversation
Requests

READING

- TASK:** Read MOS training in the form of printed prose or graphic representations in order to learn processes, concepts, vocabulary, definitions and identifications, to calculate problems, intercept codes and complete forms.
- CONDITIONS:** Given technical, non-technical, lexical and structural features in simple to complex printed form in any training situation. (Appendices 4, 5 & 6)
- STANDARDS:** 100% understanding of printed content.

The following are specific conditions found in this language task:
Captions with illustrations.

Lists	Extracts
Procedures	Columns
Information	Indices
Definitions	Charts
Outlines	Methods
Signs	Technical Vocabulary
Markers	Standard Operating Procedures
References	Cartoons
Rules	Problems
Maps	Manuals
Flags	Graphic Training Aids
Military Documents	
I.D. Papers	
Regulations	

- TASK:** Identify, understand, and interpret written utterances pertinent to MOS training in technical or non-technical language.
- CONDITIONS:** Given technical, non-technical, lexical and structural features in simple to complex written form in any training situation. (Appendices 4, 5 & 6)
- STANDARDS:** 100% understanding of written content.

The following are specific conditions found in this language task:

Lists
Information
Descriptions
Radiation readings off dosimeter
Coordinate scales
Callsigns-suffices
Three-letter codes
Examples
Calculations
Markings
Radio communications
Range cards
Notes
Messages

APPENDICES

1. Task Prioritization Checklist
2. Task Inventory Compiled Data Forms
3. Percentage Language Skills
4. Observation Form
5. Structural/Lexical list
6. Vocabulary (DLIELC in-house)
7. Vocabulary (machine-generated)
8. English Language Structures

APPENDIX 1

TASK PRIORITIZATION CHECKLIST

This Checklist was approved by the
Department of the Army in 1980.

YOUR CURRENT MOS: _____
(PRESENTLY WORKING IN)

*RATING: 1=low
2= med
3= high

MOS IN WHICH YOU WERE TRAINED: _____
POSITION: _____
UNIT: _____

YES

NO

IS TASK
TAUGHT?

LISTENING*
SPEAKING*
READING*
WRITING*

IMPORTANCE
OF:

LECTURE
SELF-PACED
DEMONSTRATION
HANDS-ON

HOW
TAUGHT

YES

NO

IS TASK
TESTED?

WRITTEN
ORAL
PERFORMANCE

HOW
TESTED?

PERSON

EQUIPMENT

PERFORMAN
RESULTS 1
DANGER TO

APPENDIX 2

TASK INVENTORY COMPILED DATA FORM

This form was used to record data from
the Task Prioritization Checklist.

DATA OBTAINED FROM *Training Specialist* TRAINING SPECIALIST

RATING OF ELS	METHODS OF TESTING	METHODS OF TEACHING	CRITICALITY	F	ITEMS																									
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
writing		self-paced	danger to person or																											
reading		hands-on	equipment																											
speaking		demonstration	importance																											
listening		lecture																												
written																														
oral																														
performance																														

MOS	NUMBER OF RESPONDENTS
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
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57	1
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	

DATA OBTAINED FROM TRAINING SPECIALIST

	RATING OF E.L.S	METHODS OF TESTING	METHODS OF TEACHING	CRITICALITY	I
	writing				
	reading				
	speaking				
	listening				
		written			
		oral			
		performance			
			self-paced		
			hands-on		
			demonstration		
			lecture		
				danger to person or equipment	
				importance	
					difficulty?
					tested?
					taught?

21-4018-18
3-2-81

MOS _____ NUMBER OF RESPONDENTS _____
DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

2. 5/2

WIS _____ NUMBER OF RESPONDENTS _____
DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

2/20

DATA OBTAINED FROM TRAINING SPECIALIST

FAST HIGH

[Handwritten notes at bottom of page:]

*FBI - New York
Bureau
NYC*

DATA OBTAINED FROM TRAINING SPECIALIST

IT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS			
				writing	reading	speaking	listening
		self-paced	written				
		hands-on	oral				
		demonstration	performance				
		lecture					
		danger to person or					
		equipment					
		importance					
		difficult?					
		tested?					

MOS	NUMBER OF RESPONDENTS
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
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76	1
77	1
78	1
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80	1
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82	1
83	1
84	1
85	1
86	1
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DATA OBTAINED FROM	TRAINING SPECIALIST

TASK NUMBER	IT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	taught?	importance	lecture	performance	listening
	tested?	equipment	demonstration	oral	speaking
	difficulty?	danger to person or	hands-on	written	reading
			self-paced		writing

LAND NAVIGATION

DATA OBTAINED FROM	TRAINING SPECIALIST

LA-ND 2A V1 6A-202

[illegible]

NUMBER OF RESPONDENTS

TRAINING SPECIALIST

TASK NUMBER	T	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
			self-paced	written	writing
			hands-on	oral	reading
			demonstration	performance	speaking
			lecture		listening
			danger to person or equipment		
			importance		
			difficulty?		
			tested?		
			taught?		
09/630-2199					
09/630-3150					
09/630-1111					
09/630-1200					
09/630-1301					

21.4-21.5
21.7-21.9

DATA OBTAINED FROM

TRAINING SPECIALIST

[illegible]

WJS

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

TASK NUMBER	IT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF VLS
	difficulty?	danger to person or equipment	self-paced	written	writing
	tested?	importance	hands-on	oral	reading
	taught?		demonstration	performance	speaking
			lecture		listening
091-650-402					
091-650-403					
091-650-404					
091-650-405					

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TRAINING SPECIALIST

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DATA OBTAINED FROM TRAINING SPECIALIST[illegible]

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MOS	NUMBER OF RESPONDENTS
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DATA OBTAINED FROM TRAINING SPECIALIST

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RATING OF ELS	METHODS OF TESTING	METHODS OF TEACHING	CRITICALITY	T
writing				
reading				
speaking				
listening				
written				
oral				
performance				
self-paced				
hands-on				
demonstration				
lecture				
danger to person or				
equipment				
importance				
difficult?				
tested?				

WJS _____ NUMBER OF RESPONDENTS _____
DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

TASK NUMBER	IT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	
					writing	reading
	difficulty?	danger to person or equipment	self-paced hands-on demonstration lecture	written oral performance	speaking	
	tested?				listening	
	taught?					
		importance				

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המחלקה הכלכלית
המחלקה הכלכלית

DATA OBTAINED FROM TRAINING SPECIALIST

PAGE
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APPENDIX C

1

1994

[illegible]

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DATA OBTAINED FROM TRAINING SPECIALIST

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speaking	
listening	
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oral	
performance	
self-paced	
hands-on	
demonstration	
lecture	
danger to person or	
equipment	
importance	
difficulty?	
tested?	
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DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

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DATA OBTAINED FROM _____ TRAINING SPECIALIST

RATING OF ELLS	METHODS OF TESTING	METHODS OF TEACHING	CRITICALITY	T
writing	written	self-paced	danger to	difficulty?
reading	oral	hands-on	person or	tested?
speaking	performance	demonstration	equipment	taught?
listening		lecture	importance	

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NUMBER _____

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DATA OBTAINED FROM TRAINING SPECIALIST

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DATA OBTAINED FROM _____ TRAINING SPECIALIST

TASK NUMBER	r	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF A.I.S.
	difficulty?	danger to person or equipment	self-paced	written	writing
	tested?	importance	hands-on	oral	reading
	taught?		demonstration	performance	speaking
			lecture		listening
001 656-1970					
001 656-1971					
001 656-1972					
001 656-1973					

[Faint, illegible markings]

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1001252222 3311221 2222221

[illegible]

NCS _____ NUMBER OF RESPONDENTS _____
DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

TASK NUMBER	IT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	
					WRITING	READING
			self-paced	written		
			hands-on	oral		
			demonstration	performance		
			lecture			
			danger to person or equipment			
			importance			
			difficulty?			
			tested?			
			taught?			

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MCS	NUMBFR OF RESPONDENTS
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DATA OBTAINED FROM TRAINING SPECIALIST

[illegible]

DATA OBTAINED FROM TRAINING SPECIALIST

המנהל הכללי של המבחן

DATA OBTAINED FROM TRAINING SPECIALIST

MEASUREMENT	VALUE

מחפשי חסידים ופזמונאים 22/11/2015 15:25

[illegible]

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DATA OBTAINED FROM _____ TRAINING SPECIALIST

TASK NUMBER	T	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
001 636-1503	difficulty?				writing
	tested?				reading
	taught?				speaking
001 636-1517					listening
					written
					oral
001 636-1518					performance
					self-paced
					hands-on
001 636-1519					demonstration
					lecture
					danger to person or
001 636-1520					equipment
					importance

דער שטח פון דער שטאט
דער שטח פון דער שטאט

MOS _____ NUMBER OF RESPONDENTS _____

DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

METHODS OF TESTING	METHODS OF TEACHING	CRITICALITY	I	RATING OF ELLS	
				writing	reading
written	self-paced	danger to person or	difficult?		
oral	hands-on	equipment	tested?		
performance	demonstration	importance			
	lecture				

MOS _____ NUMBER OF RESPONDENTS _____

DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

METHODS OF TESTING	METHODS OF TEACHING	CRITICALITY	I	RATING OF ELLS	
				writing	reading
written	self-paced	danger to person or	difficulty?		
oral	hands-on	equipment	tested?		
performance	demonstration	importance	taught?		
	lecture				

MOS _____ NUMBER OF RESPONDENTS _____

IT	CRITICALITY	METHODS OF TEACHING	METHOD OF TESTING	RATING OF ELS			
				writing	reading	speaking	listening
		written					
		oral					
		performance					
		self-paced					
		hands-on					
		demonstration					
		lecture					
		danger to person or					
		equipment					
		importance					
		difficult?					
		tested?					

NUMBER OF RESPONDENTS

TRAINING SPECIALIST

TASK NUMBER	IT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
	difficulty?	danger to person or equipment	self-paced	written	writing
	tested?	importance	hands-on	oral	reading
	taught?		demonstration	performance	speaking
			lecture		listening

5/15/2015

MOS _____ NUMBER OF RESPONDENTS _____
DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

(Handwritten signature)

RATING OF		METHODS OF TESTING		METHODS OF TEACHING		CRITICALITY		P	
	writing		written		self-paced		danger to person or		difficulty?
	reading		oral		hands-on		equipment		tested?
	speaking		performance		demonstration		importance		taught?
	listening				lecture				

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DATA OBTAINED FROM

TRAINING SPECIALIST

I	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	VATING OF OF ELS			
				writing	reading	speaking	listening
		self-paced	written				
		hands-on	oral				
		demonstration	performance				
		lecture					
		danger to person or					
		equipment					
		importance					
		difficult?					
		tested?					

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NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

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DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

[illegible]

MOS _____ NUMBER OF RESPONDENTS _____
DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

TASK NUMBER	:	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ZLS
		importance	lecture	performance	writing
		equipment	demonstration	oral	reading
		danger to person or	hands-on		speaking
		difficulty?			listening
		tested?			
		taught?			

۱۶) در این مورد ۹۹ درصد از افراد در ۵ ساله و ۱ درصد در ۱۰ ساله

DATA OBTAINED FROM

TRAINING SPECIALIST

[illegible]

MCS

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

TASK NUMBER	1	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	MEASURING OF ELA
	difficulty?	danger to person or equipment	self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening
	tested?	importance			
	taught?				
001628-1833					
001628-1834					
001628-1835					
001628-1836					
001628-1837					

1945-1946 1947-1948 1949-1950 1951-1952

C	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	VARIATION OF ELS			
				writing	reading	speaking	listening
	difficult?						
	tested?						

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DATA OBTAINED FROM _____ TRAINING SPECIALIST

[illegible]

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DATA OBTAINED FROM TRAINING SPECIALIST

TACK RUNNER	T	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF FLS	
					writing	reading
			self-paced hands-on demonstration lecture	written oral performance	writing	
					reading	
					speaking	
					listening	
11/6		danger to person or equipment importance			writing	
					reading	
					speaking	
					listening	
11/6					writing	
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11/6					writing	
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11/6					writing	
					reading	
					speaking	
					listening	

[illegible]

DATA OBTAINED FROM	TRAINING SPECIALIST

1975-1976 1975-1976 1975-1976 1975-1976 1975-1976

MOS _____ NUMBER OF RESPONDENTS _____
DATA OBTAINED FROM _____ TRAINING SPECIALIST _____

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	RATING OF ELS	METHODS OF TESTING	METHODS OF TEACHING	CRITICALITY	T
	writing	written	self-paced	danger to person or equipment	difficult?
	reading	oral	hands-on		tested?
	speaking	performance	demonstration	importance	
	listening		lecture		

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86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

DATA OBTAINED FROM TRAINING SPECIALIST

	RATING OF ELS	writing	reading	speaking	listening
METHODS OF TESTING	written				
METHODS OF TEACHING	oral				
METHODS OF TEACHING	performance				
METHODS OF TEACHING	self-paced				
METHODS OF TEACHING	hands-on				
METHODS OF TEACHING	demonstration				
METHODS OF TEACHING	lecture				
CRITICALITY	danger to person or equipment				
CRITICALITY	importance				
IT	difficulty?				
IT	tested?				
IT	taught?				

21.43015:15
29.9.1.

1617

16.9 16.91

091-636-1642

1643

Handwritten text at the bottom of the page, likely a signature or date, is illegible due to blurring.

12-15-68
12-15-68

TRAINING SPECIALIST

DATA OBTAINED FROM	TRAINING SPECIALIST

1343010 254 10240 2121421 2273217

TRAINING SPECIALIST

1991 10 16 47

1944-1945

APPENDIX 3

PERCENTAGE LANGUAGE SKILLS

This appendix contains the computations for the percentages of listening, speaking, reading and writing involved in each cluster.

Some clusters have two sets of computations because some Task Prioritization Forms were received after original computations and had to be added on.

1

R = maximum number of respondents in any 'task' in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$IR + (T)(W)(R) = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
100% A 100% B 100% C 100% D 100% E 100% F 100% G 100% H 100% I 100% J 100% K 100% L 100% M 100% N 100% O 100% P 100% Q 100% R 100% S 100% T 100% U 100% V 100% W 100% X 100% Y 100% Z 100% AA 100% AB 100% AC 100% AD 100% AE 100% AF 100% AG 100% AH 100% AI 100% AJ 100% AK 100% AL 100% AM 100% AN 100% AO 100% AP 100% AQ 100% AR 100% AS 100% AT 100% AU 100% AV 100% AW 100% AX 100% AY 100% AZ 100% BA 100% BB 100% BC 100% BD 100% BE 100% BF 100% BG 100% BH 100% BI 100% BJ 100% BK 100% BL 100% BM 100% BN 100% BO 100% BP 100% BQ 100% BR 100% BS 100% BT 100% BU 100% BV 100% BW 100% BX 100% BY 100% BZ 100% CA 100% CB 100% CC 100% CD 100% CE 100% CF 100% CG 100% CH 100% CI 100% CJ 100% CK 100% CL 100% CM 100% CN 100% CO 100% CP 100% CQ 100% CR 100% CS 100% CT 100% CU 100% CV 100% CW 100% CX 100% CY 100% CZ 100% DA 100% DB 100% DC 100% DD 100% DE 100% DF 100% DG 100% DH 100% DI 100% DJ 100% DK 100% DL 100% DM 100% DN 100% DO 100% DP 100% DQ 100% DR 100% DS 100% DT 100% DU 100% DV 100% DW 100% DX 100% DY 100% DZ 100% EA 100% EB 100% EC 100% ED 100% EE 100% EF 100% EG 100% EH 100% EI 100% EJ 100% EK 100% EL 100% EM 100% EN 100% EO 100% EP 100% EQ 100% ER 100% ES 100% ET 100% EU 100% EV 100% EW 100% EX 100% EY 100% EZ 100% FA 100% FB 100% FC 100% FD 100% FE 100% FG 100% FH 100% FI 100% FJ 100% FK 100% FL 100% FM 100% FN 100% FO 100% FP 100% FQ 100% FR 100% FS 100% FT 100% FU 100% FV 100% FW 100% FX 100% FY 100% FZ 100% GA 100% GB 100% GC 100% GD 100% GE 100% GF 100% GG 100% GH 100% GI 100% GJ 100% GK 100% GL 100% GM 100% GN 100% GO 100% GP 100% GQ 100% GR 100% GS 100% GT 100% GU 100% GV 100% GW 100% GX 100% GY 100% GZ 100% HA 100% HB 100% HC 100% HD 100% HE 100% HF 100% HG 100% HH 100% HI 100% HJ 100% HK 100% HL 100% HM 100% HN 100% HO 100% HP 100% HQ 100% HR 100% HS 100% HT 100% HU 100% HV 100% HW 100% HX 100% HY 100% HZ 100% IA 100% IB 100% IC 100% ID 100% IE 100% IF 100% IG 100% IH 100% II 100% IJ 100% IK 100% IL 100% IM 100% IN 100% IO 100% IP 100% IQ 100% IR 100% IS 100% IT 100% IU 100% IV 100% IW 100% IX 100% IY 100% IZ 100% JA 100% JB 100% JC 100% JD 100% JE 100% JF 100% JG 100% JH 100% JI 100% JJ 100% JK 100% JL 100% JM 100% JN 100% JO 100% JP 100% JQ 100% JR 100% JS 100% JT 100% JU 100% JV 100% JW 100% JX 100% JY 100% JZ 100% KA 100% KB 100% KC 100% KD 100% KE 100% KF 100% KG 100% KH 100% KI 100% KJ 100% KK 100% KL 100% KM 100% KN 100% KO 100% KP 100% KQ 100% KR 100% KS 100% KT 100% KU 100% KV 100% KW 100% KX 100% KY 100% KZ 100% LA 100% LB 100% LC 100% LD 100% LE 100% LF 100% LG 100% LH 100% LI 100% LJ 100% LK 100% LL 100% LM 100% LN 100% LO 100% LP 100% LQ 100% LR 100% LS 100% LT 100% LU 100% LV 100% LW 100% LX 100% LY 100% LZ 100% MA 100% MB 100% MC 100% MD 100% ME 100% MF 100% MG 100% MH 100% MI 100% MJ 100% MK 100% ML 100% MM 100% MN 100% MO 100% MP 100% MQ 100% MR 100% MS 100% MT 100% MU 100% MV 100% MW 100% MX 100% MY 100% MZ 100% NA 100% NB 100% NC 100% ND 100% NE 100% NF 100% NG 100% NH 100% NI 100% NJ 100% NK 100% NL 100% NM 100% NO 100% NP 100% NQ 100% NR 100% NS 100% NT 100% NU 100% NV 100% NW 100% NX 100% NY 100% NZ 100% OA 100% OB 100% OC 100% OD 100% OE 100% OF 100% OG 100% OH 100% OI 100% OJ 100% OK 100% OL 100% OM 100% ON 100% OO 100% OP 100% OQ 100% OR 100% OS 100% OT 100% OU 100% OV 100% OW 100% OX 100% OY 100% OZ 100% PA 100% PB 100% PC 100% PD 100% PE 100% PF 100% PG 100% PH 100% PI 100% PJ 100% PK 100% PL 100% PM 100% PN 100% PO 100% PP 100% PQ 100% PR 100% PS 100% PT 100% PU 100% PV 100% PW 100% PX 100% PY 100% PZ 100% QA 100% QB 100% QC 100% QD 100% QE 100% QF 100% QG 100% QH 100% QI 100% QJ 100% QK 100% QL 100% QM 100% QN 100% QO 100% QP 100% QQ 100% QR 100% QS 100% QT 100% QU 100% QV 100% QW 100% QX 100% QY 100% QZ 100% RA 100% RB 100% RC 100% RD 100% RE 100% RF 100% RG 100% RH 100% RI 100% RJ 100% RK 100% RL 100% RM 100% RN 100% RO 100% RP 100% RQ 100% RR 100% RS 100% RT 100% RU 100% RV 100% RW 100% RX 100% RY 100% RZ 100% SA 100% SB 100% SC 100% SD 100% SE 100% SF 100% SG 100% SH 100% SI 100% SJ 100% SK 100% SL 100% SM 100% SN 100% SO 100% SP 100% SQ 100% SR 100% SS 100% ST 100% SU 100% SV 100% SW 100% SX 100% SY 100% SZ 100% TA 100% TB 100% TC 100% TD 100% TE 100% TF 100% TG 100% TH 100% TI 100% TJ 100% TK 100% TL 100% TM 100% TN 100% TO 100% TP 100% TQ 100% TR 100% TS 100% TT 100% TU 100% TV 100% TW 100% TX 100% TY 100% TZ 100% UA 100% UB 100% UC 100% UD 100% UE 100% UF 100% UG 100% UH 100% UI 100% UJ 100% UK 100% UL 100% UM 100% UN 100% UO 100% UP 100% UQ 100% UR 100% US 100% UT 100% UY 100% UZ 100% VA 100% VB 100% VC 100% VD 100% VE 100% VF 100% VG 100% VH 100% VI 100% VJ 100% VK 100% VL 100% VM 100% VN 100% VO 100% VP 100% VQ 100% VR 100% VS 100% VT 100% VY 100% VZ 100% WA 100% WB 100% WC 100% WD 100% WE 100% WF 100% WG 100% WH 100% WI 100% WJ 100% WK 100% WL 100% WM 100% WN 100% WO 100% WP 100% WQ 100% WR 100% WS 100% WT 100% WY 100% WZ 100% XA 100% XB 100% XC 100% XD 100% XE 100% XF 100% XG 100% XH 100% XI 100% XJ 100% XK 100% XL 100% XM 100% XN 100% XO 100% XP 100% XQ 100% XR 100% XS 100% XT 100% XU 100% XV 100% XW 100% XX 100% XY 100% XZ 100% YA 100% YB 100% YC 100% YD 100% YE 100% YF 100% YG 100% YH 100% YI 100% YJ 100% YK 100% YL 100% YM 100% YN 100% YO 100% YP 100% YQ 100% YR 100% YS 100% YT 100% YZ 100% ZA 100% ZB 100% ZC 100% ZD 100% ZE 100% ZF 100% ZG 100% ZH 100% ZI 100% ZJ 100% ZK 100% ZL 100% ZM 100% ZN 100% ZO 100% ZP 100% ZQ 100% ZR 100% ZS 100% ZT 100% ZY 100% ZZ	40 42 24 360 360 46 188 522 188.000	20 35 55 382 144 55.000	5 12 31 48 272 216 48.000	42 5 12 10 59 240 240.000
NBC	100% 9.450 48 56 53 60 72 295 520%	100% 1.100 44 50 84 382 55%	100% 2.200 21 20 20 7 220 220%	100% 3.600 21 20 20 28 12 122 240%
100% 100 100% 100				

PERCENTAGE LANGUAGE SKILLS
NOS 63B

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR + (T)(V)(R)}{TR} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-selected -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
Cluster 1 100 100 100 100 100 100	100 100 100 5 4 6 6 6 27 40 127.5	100 100 100 1 3 4 16 4.000	100 100 100 2 1 2 5 24 5.000	100 100 100 4 2 1 0 7 32 1.219
Cluster 2 100 100 100 100 100 100	100 100 100 5 4 6 4 6 27 40 127.5	100 100 100 4 3 7 16 4.000	100 100 100 1 1 1 3 4 1.000	100 100 100 4 3 2 0 9 32 1.219
Cluster 3 100 100 100 100 100 100	100 100 100 26 38 31 26 43 164 320 124.000	100 100 100 23 12 37 12 2.800	100 100 100 21 33 38 92 192 4.650	100 100 100 24 21 21 21 118 320 1.219
	68%	25%	21%	27%

PERCENTAGE LANGUAGE SKILLS
MOS 63/3

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR + (T)(V)(R)}{TR} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
100% 100%	155 9 = 45 4 3 9 6 9 31 45/31.000 67%	15 2 9 = 45 1 5 6 18/6.000 33%	15 3 9 = 45 3 0 2 5 27/5.000 19%	15 4 9 = 45 1 0 0 1 7 26/7.000 19%
100% 100%	5 5 10 = 250 12 24 10 11 19 76 204 35%	5 2 10 = 150 5 9 14 140 17%	5 3 10 = 150 3 1 2 6 220 31%	5 4 10 = 200 20 12 11 17 60 33%
SUPPLY	2 5 10 = 100 9 9 9 9 7 42 42 35%	2 2 10 = 40 4 6 10 40/10.000 25%	2 3 10 = 60 10 4 10 24 467 47%	2 4 10 = 80 9 10 11 34 62 42%

PERCENTAGE LANGUAGE SKILLS
 NOS 638

TR = total number of responses to variables in the cluster
 T = number of tasks in the cluster
 V = variables
 R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR}{T} \times \frac{(T)(V)(R)}{TR} =$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
001 638 1260 100% 100% 100%	$\begin{array}{r} 4 \\ 9 \\ 13 \\ 6 \\ 17 \\ \hline 42 \end{array}$ $140 \times 3.33 = 467$ $90 \sqrt{467} = 300$	$\begin{array}{r} 4 \\ 5 \\ \hline 9 \end{array}$ $250 \sqrt{250} = 500$	$\begin{array}{r} 3 \\ 3 \\ 6 \\ \hline 12 \end{array}$ $50 \sqrt{12} = 173$	$\begin{array}{r} 1 \\ 1 \\ 1 \\ 1 \\ \hline 4 \end{array}$ $250 \sqrt{250} = 500$
	47%	25%	22%	25%
001 638 1260 100% 100% 100%	$\begin{array}{r} 60 \\ 50 \\ 80 \\ 120 \\ \hline 310 \end{array}$ $140 \times 2.21 = 310$	$\begin{array}{r} 30 \\ 24 \\ 54 \\ \hline 108 \end{array}$ $220 \sqrt{220} = 484$	$\begin{array}{r} 1 \\ 1 \\ 1 \\ 1 \\ \hline 4 \end{array}$ $360 \sqrt{360} = 693$	$\begin{array}{r} 26 \\ 19 \\ 5 \\ \hline 50 \end{array}$ $250 \sqrt{250} = 500$
	62%	54%	56%	62%
001 638 1260 100% 100% 100%	$\begin{array}{r} 12 \\ 10 \\ 23 \\ 16 \\ \hline 61 \end{array}$ $140 \times 4.67 = 654$	$\begin{array}{r} 8 \\ 5 \\ 13 \\ \hline 26 \end{array}$ $220 \sqrt{220} = 484$	$\begin{array}{r} 6 \\ 4 \\ 21 \\ \hline 31 \end{array}$ $360 \sqrt{360} = 693$	$\begin{array}{r} 11 \\ 6 \\ 6 \\ 2 \\ \hline 25 \end{array}$ $250 \sqrt{250} = 500$
	71%	71%	57%	20%

PERCENTAGE LANGUAGE SKILLS
MOS 638

IR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$TP + (T)(V)(R) = \%$	-demonstration -lecture -h.r. s-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
12 x 5 x 4 = 240 24 23 53 43 49 192 091-632-1445 171-22-456	12 x 5 x 4 = 240 24 23 53 43 49 192 400 480 172 192	12 x 2 x 8 = 192 17 1 28 146 192 28 192	12 x 3 x 8 = 288 10 7 42 59 288 205 288 57.000	12 x 4 x 8 = 384 21 7 42 59 384 112 384 42.000
	40%	15%	21%	11%
5 x 5 x 6 = 150 6 6 19 14 21 66 091-632-1445 091-632-1471	5 x 5 x 6 = 150 6 6 19 14 21 66 400 150 66.000	5 x 2 x 6 = 60 5 4 9 150 62 62 62	5 x 3 x 6 = 90 0 0 16 16 90 170 90 16.000	5 x 4 x 6 = 120 6 0 0 2 120 170 120 16.000
	4%	15%	18%	7%
22 x 5 x 8 = 880 48 63 112 94 116 453 091-632-1445 091-632-1503	22 x 5 x 8 = 880 48 63 112 94 116 453 492 880 453.000	22 x 2 x 8 = 352 34 47 81 230 352 352 352	22 x 3 x 8 = 528 35 3 102 141 528 267 528 528	22 x 4 x 8 = 704 63 35 102 16 117 704 704 704
	47%	23%	27%	17%

PERCENTAGE LANGUAGE SKILLS
NOS 63B

T = number of tasks in the cluster

[illegible]

R = maximum number of respondents in any task in that cluster

PERCENTAGE LANGUAGE SKILLS MOS 638				
FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{S}{T} \times 100 = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
18X2 = 36 21 21 44 35 45 169	12X2 = 24 4 24 24 160	12X2 = 24 12 0 41 51	12X2 = 24 2 12 0 39	
47%	20%	22%	12%	
18X2 = 36 44 34 91 71 126 346	12X2 = 24 28 42 70 272	12X2 = 24 30 79 111 272	12X2 = 24 30 30 10 70	
51%	26%	27%	14%	
18X2 = 36 12 7 42 28 416 135	12X2 = 24 11 11 22 122	12X2 = 24 2 0 38 40 145	12X2 = 24 7 2 0 9	
20%	12%	15%	4%	

AD-A121 126

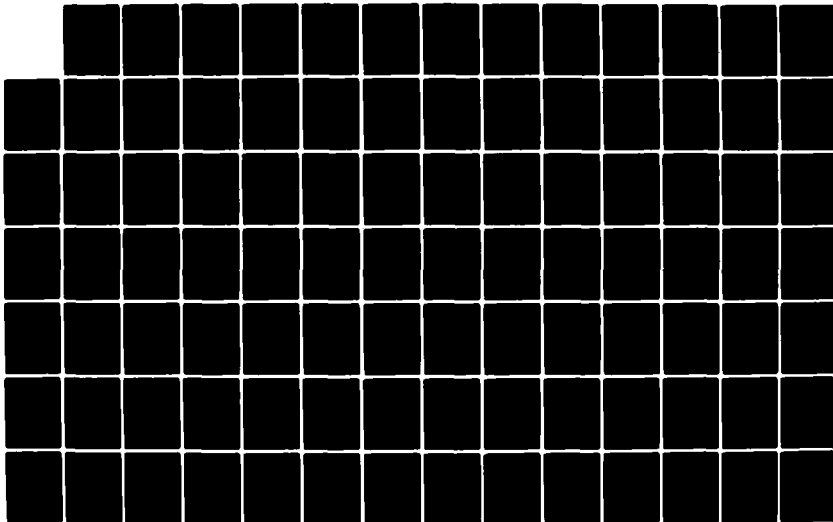
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 63B WHEEL
VEHICLE MECHANIC..(U) DEFENSE LANGUAGE INST LACKLAND
AFB TX ENGLISH LANGUAGE CENTER.. 14 JAN 77

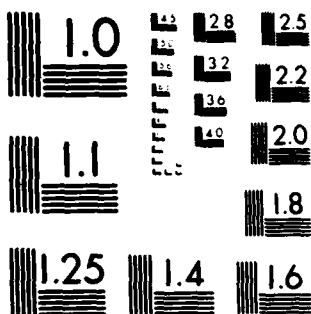
2/4

UNCLASSIFIED

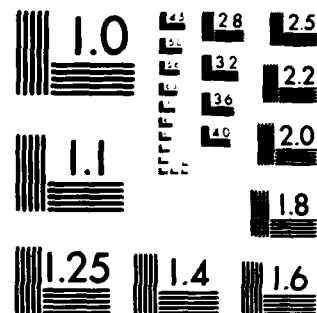
F/G 5/9

NL

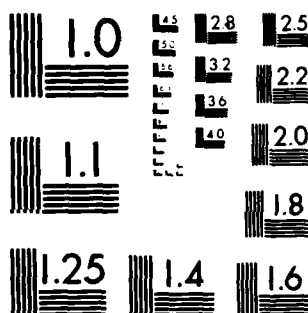




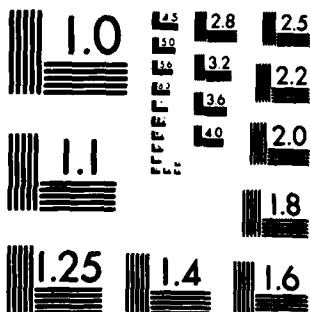
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



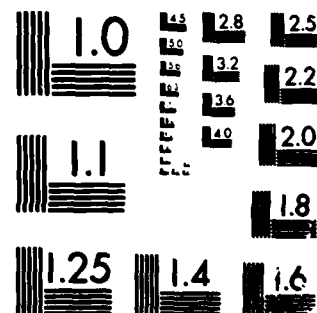
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

MOS 63A

FDL	LISTENING		SPEAKING		READING		WRITING	
TR ÷ (T)(V)(R) = %	-demonstration		-oral (test)		-self-paced		-lecture	
	-lecture		-rating (scale)		-written (test)		-self-paced	
	-hands-on				-rating (scale)		-written (test)	
	-performance (test)						-rating (scale)	
	-rating (scale)							
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%				
13X5X7 = 515 7 15 30 17 525 $\overline{)125,000}$ 35 <u>105</u>	13X5X7 = 515 6 10 20 210 20,000 $\overline{)05}$	13X5X7 = 515 9 2 30 41 310 $\overline{)41,000}$	13X5X7 = 515 15 9 2 9 35 400 $\overline{)08}$					
20%	100%	130%	40%					
9X5X4 = 180 16 11 21 180 $\overline{)478}$ 13 46	9X5X4 = 72 4 19 33 72 $\overline{)319}$	9X5X4 = 108 5 0 11 11 100 $\overline{)120}$	9X5X4 = 180 11 3 0 5 17 100 $\overline{)118}$					
48%	32%	13%	12%					

| rr | = total number of responses to variables in the cluster |

T - number of tasks in the cluster

$$Y = \text{variables}$$

R = maximum number of respondents in any task in that cluster

APPENDIX 4

OBSERVATION FORMS

The attached forms were taken to the actual training where observers recorded actual training situations and language used in the training. These forms were used to indicate the CONDITIONS for the Job Language Performance Requirements in this MOS.

NAME _____ PERSON RECORDING _____ DATE _____

SUBJECT _____ * TASK NUMBER IF KNOWN _____

Physical Environment of Instruction

- A. Classroom
- B. Open Areas (live firefield- mark-up terrain)
- C. Large enclosed area (bleacher sites)
(Warehouse size)
- D. Other

Comments:

Styles of Communication Instructor, Verbal orders

- A. Formal Speech
- B. Informal Speech
- C. Regional/Ethnic
- D. Body Language
- E. Profanity
- F. Shop talk/slang
- G. Non-standard English
- I. Other

Comments:

Media of Instruction

- A. Films
- B. Video cassettes
- C. Graphic Training Aids (diagrams, etc....)
- D. Illustrations (requiring reading/not requiring reading)
- E. Maps
- F. Mock-ups
- G. Models/Aimulate
- H. Real equipment
- I. Transparencies
- J. Tape cassettes
- K. Training Publications (required/available)
- L. Signs/Notices
- M. P.A. System
- N. Normal Voice
- O. Soldier's Manual
- P. Chalkboard
- Q. Other

Comments:

Mode of Response

- A. Manipulating a piece of equipment/device
- B. Answers (spoken - written)
- C. Signals
- D. Performance
- E. Taking Notes
- F. Teamwork
- G. Other

Comments:

Instructional Ratio

- A. Instructor, one-to-one/class
- B. Peer/one-to-one
- C. Group or Committee Group (group of instructors of whom one teaches one portion of the whole)
 - Small (12 or less)
 - Large (more than 12)
- D. Other
- E. Questions

Comments:

130

APPENDIX 5

STRUCTURAL/LEXICAL LIST

Attached is the list of
structural and lexical items
for this MOS.
(For discussion, see Section II)

STRUCTURAL ITEMS

SENTENCE PATTERNS

SIMPLE: One subject and one predicate

1. Subject and action verb
Firer aims.
2. Subject and action verb and direct/indirect object
Many things cause burns.
3. Subject and linking verb and subjective complement
This is very important.

COMPOUND: Two or more sentences joined by:

1. Coordinating conjunction

Explain the task and ask the trainees if they understand the task, and the conditions they are expected to perform at the end of the session, the conditions under which they must operate, and the standard they must achieve.

2. Conjunctive adverb

Do not start or stop the vehicle while the radio is on or you may damage the set.

3. Semicolon

A light pressure is exerted on the driving spring when the bolt is forward; however, never attempt to cock the gun while the backplate is off and the driving spring assembly is in place.

COMPLEX: One or more dependent clauses

1. Adjectival (functions as an adjective by modifying nouns and pronouns)

At the bottom of the map you will find three different bar scales which will help you to change map distance to miles, meters, or yards.

2. Adverbial (functions as an adverb by modifying verbs, adjectives, and other adverbs) The mouth-to-nose method is performed in the same way except you blow into his nose while you pinch his lips closed with one hand.

3. Noun (functions as a noun) The person who is performing artificial respiration quickly blows into the casualty's lungs after each five compressions.

5. MANNER

Take deep breath and place mouth around soldier's mouth; then blow forcefully as you observe his chest.

6. TIME

When you have to go a certain distance on foot without any landmarks to guide you, you can measure distance pretty accurately by counting your paces.

Split the bracket until fire for effect is possible.

7. PLACE

Loosen clothing at neck, waist, and other places where it tends to bind.

8. CAUSE

Be careful not to depress the trigger, since this will cause the firing pin to be released.

9. ADVERSATIVE

The casualty has no fractures, but has a bleeding wound.

10. CONDITION

If it isn't, your rifle can still fire, but it could possibly explode, causing you harm.

PHRASES

1. GERUND

(upon) Hearing the correct password, give permission to pass if you have no other reasons to doubt.

2. PARTICIPIAL

Using a straightedge draw a line between the two objects.

3. INFINITIVE

To camouflage exposed skin paint the shiny areas with a dark color.

4. PREPOSITIONAL

Under certain light conditions, front sight ports can be seen, but you can't determine whether you are looking through, above, or to the side of the rear sight aperture.

VERBS

1. VERB TENSES

Make sure you clearly understand the task you are to teach.

--You will be tested.

--If they elect to take it, they must complete the test once they have begun the first event or else they will receive a NO GO for the entire test.

--If the soldier is breathing, mouth-to-mouth resuscitation is not necessary.

--When all 10 pebbles have been moved to the left pocket, you have traveled one kilometer.

--Have someone walk the FDL and determine dead space.

--Sensing is an instantaneous determination by the grenadier as to where the grenade exploded.

present progressive verb
present verb (uninflected, third
person, indicative)
past tense (regular/irregular)
present perfect
future

2. TYPES

intransitive
(You) train for results.

transitive
Mask the casualty.

linking
The skin becomes inflamed.

3. VOICE

active

recognize
protect
is facing
remove
explode
sounds
points out
seen

appear
seek
secure
wear
mask
stored
do require
could affect

has
must be
wipe
rinse
put brush
empty
reassemble
reinstall

GERUNDS

Sensing is an instantaneous determination by the grenadier as to where the grenade explodes with respect to the target.

INFINITIVES

To fire, hold the M16A1 in the rest with your right shoulder firmly against the weapon's butt plate.

ADVERBS +

1. SUPERLATIVE

When such a line of fire exists, the primary sector will be assigned, based on it, with the FDL being the sector limit closest to the friendly troops.

2. INDEFINITE

The launcher has a heavy coat of oil on working parts, and a light coat of oil elsewhere.

3. FREQUENCY

Apply a little graphite grease to the threads of the antenna section for easy removal and to prevent the sections from seizing if they have been rarely removed.

4. OTHER

Assembly procedure for the grenade launcher merely reverses disassembly steps.

5. COMPARATIVE

The care, cleaning, lubrication and adjustment of the mount used with the gun are no less important.

VERBS AND PREPOSITIONS

Line up the key in the receptacle with the slot in the cable connector.

VERBS AND ADVERB

(particles)

Put on the protective mask within nine seconds of the chemical alarm and remain in the contaminated area for at least two minutes without making further adjustments to the mask.

APPENDIX 6

VOCABULARY (DLIELC IN-HOUSE)

The following vocabulary list was extracted from the Soldier's Manual task by task and then categorized into GENERAL, BASIC AND TECHNICAL vocabulary.

Maintenance Tasks 63A

Task # 091-63A-1261 - Maintenance of individual clothing and equipment.

Basic Skills

General

Technical

organization of equipment
initial issue
web equipment
Carbine
Ammunition
Container

Individual
Present
Complete
clean
inspect
Size
Correct
Tears
mend
buttons
replace
inspect
clean
Sew
Polish
heel
Sole
excessively
Worn
rust
occasional
in accordance with

Maintenance Tests 634

Task # 091-63A-1360 - Maintenance testing of
tool kit / set.

Basic Methods

General
covered
present
condition
condition
dull
chipped
cracked
correctly
Dull
properly
serviceable
account for
inactivation
store (s)

Tool kit
utility, ground
condition
lubricant
cutting edges
dull
chipped
cracked
correctly
Dull
properly
serviceable
account for
inactivation
store (s)

Basic Soldier's Book

Task # 071-63A-2341 - Complete Entries on
 Occurrence Register for Supply Actions (DA Form 2064)
 and on Record of Demands (DA Form 2318)

Basic Military

General

Technical

Test

DA FORM 2064

Shelf

DA FORM 2318

Complete

Parts

Entry

ISPI

Well Lighted

Nomenclature

Identified

Unit of Measure

Classroom

Demand Record

Partially

Unit

Listing

Spoke

Quantity

Rec'd (V)

Appropriate

Accordance with

Instructions

outline

112

Administrative page 10/1

To Atty Gen & Hon Sec - Dept of Justice
Washington Dist of Columbia, D.C.
for the purpose of receiving a subpoena for the
production of records regarding the above named persons.

DSM
Steel manufacturing

Vehicle
Locality
Date
Table of contents
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The
 General
 Assembly
 for the year 1890
 was held at

Sheet 1 of 2
 Basic Soldier Tasks
 Task # 091-63A-2304- Service Training
 Modification Mark. 001

Basic Skills	General	Technical
	Test Ability Knowledge Skills Performance well-lighted ventilation clean area modification accomplish Equipment Apply as soon as possible not later than Specify Data vicinity in conjunction with Maintenance	MWO Time comparison urgent limited time check

Skill level II

1. Salmon Trout

100# = 091-63A-2303-- Acc. DN File 310-9

Basic Military	General	Technical
DI PRG 3-02	Tact Ability Self Controlled Applicable Performs Well-lighted Versatile Flexible Steady Calm Fascinated Sensible Understands Bright Vigilant Efficient Accomplishment Record (U)	Not too much more subtle than most students

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Admin

Task 091-63A-1301

GE

prepare
used by
early
morning
to go to
truck
report to
provided with
paper
showing
each
trip
make
time
completed
after
during
check
before
can forms
to be provided
stops
five
driver
be
return to
pencil
enter
all
nearest
minutes
hour
clock

ISM

forms
vehicle
operator
supervisor
secure
~~area~~
orderly room
released by
replace
based on
information
garrison
lost
beginning
amount
gasoline
oil
block

GE

begins
ends
mile
indicate
location
required
identify
fault
check
action
initials
proper

arrival
departure
unit
detect
entries

Tech

PA form 2400
motor pool
disputed
1/4 ton
hanger number
odometer reading
operational
windshield wiper
rearview mirror
dispatcher
clipboard
readings
"in" line
"out" line
destination
column
succeeding
SOT
remarks
quantity
uncorrect
prescribe
~~etc~~

Logistical : : msgmt.

Task : 091-634-1309

GE

locate
record
truck
pencil
paper
refer to
numbers
correct
date
changes
identify
result

BM

lubrication
operator
vehicle
publications

Tech

pamphlet 310-4
lubrication
order number
maintenance
technical manual
utility
1/4 ton
series
alphabetical index
now
nomenclature
LO
TM listings

Skill II

Task 091-63A-2150

Use Map Legend Data to Identify Symbols on a Map

GE

GA

Tech

use
map
on
will be
tested
identify
five
with
area
perform
found in
paper
pencil
each
write
(noun
by
(correctly
failure
four
result in

ability
field
garmin
reference
assistance
designated
points
represented by

symbols
legend data
topographic
Harlem
GA
sheet 4530 IV
map legend
refer to
determine
comparing
evaluation
noun
Terrain
features

SKILL II

TASK: 091-63A-2149

Determine Elevation & Relief on a Map

GE	EM	TECH
map	ability	determine
will be	relief	elevation
tested	provide	relief
your	identify	terrain
for	perform	grid coordinates
which	field	Harlem
each	garrison	GA
location	assistance	Sheet 4550 IV
pencil	reference	protractor
paper	locate	right-angle
reading	elevation	contour
find	point	interval
from	failure	marginal
information	correct	uphill/
amount	evaluation	unit
using	result	measure
following	point	sought
steps		cross, v
nearest		estimate
line		~~50%~~
~~line~~		features
count		symbol
number		
direction		
must be		
~~desired~~		
desired		
note		
multiply		
between		
accuracy		
record		
correct		
within		
at least		
subtract		

SKILL II

TASK: 091-63A-2148

Locate an unknown point by resection

GE	EM	TECH
locate	ability	unknown
will be	position	resection
test	provide	sighting
identify	less	known
your	subtract	features
map	performance	compass
two		scale
area	measures	lensatic
two	actual	protractor
without	location	orient
perform	more	magnetic azimuth
using	<i>navigating</i>	convert
measure		grid azimuth
each		back azimuth
change		180°
from		applicable
draw		figure
line		computed
pencil		intersection
paper		determine
must be		six-digit grid coordinate
within		sequence
meters		resultant
<i>with</i>		achieve
<i>unknown</i>		<i>navigating</i>

SKILL II

TASK: 091-63A-2141

Locate an Unknown Point by Intersection

GE

BM

TECH

locate
point
will be
tested
map
where
from
two
without
pencil
paper
using
draw
line
record
must be
within
location

perform
field
assistance
reference
measures

unknown
magnetic azimuth
known
points
provide
suitable
Harlem
GA
protractor
convert
grid azimuth
declination diagram
data
reflecting
intersection
intersect
six-digit grid coordinate
sequence
resultant
actual
standard
evaluation
sheet 4550 IV

122

SKILL II

TASK: 091-63A-2146

Determine your location on a map

GE	BM	TECH
your	test	scale
location	ability	terrain
on	determine	features
map	compare	visible
using	shown	protractor
large	field	prominent
area	assistance	align
local	reference	oriented
ground	identify	estimating
from	railroad	plotting
with	distance	lines
military	perform	intersect
pencil		approximately
paper		performance
road		measure
lake		sequence
building		accomplish
common		evaluation
both		symbols
same		
where		
must be		
result		

1 v 3

Still Hunt - Basic Soldier Tasks - M.I. 100-100-100

091-63H-2145 - Orient a Map Using
a Compass

Initials	Answer	Comments
100-100-100	Test	Compass
	Ability	Compass
	Map	Compass
	Point	North-South guideline
	Suitable	Compass
	Location	Directions of orientation
	Reference	Index line
	Distance	Compass
	Area (v)	
	Ground	
	Horizontal	
	vertical	
	Point	
	Point (v)	
	Top	
	Point	
	formed	
	match (v)	
	Direction	
	Markers	
	Shade	
	Printed	

Skill Level I
 Basic Soldier Tasks - Maps Reading

Task # 091-631-2143 - Measure
 Distance on a Map

Basic Military	General	
On the ground	Test	Ground distance
Location	Point	Points on a
	Distance	road distance
	Provide	Hand drawn
	Sketch	End of road
	Reflect	right up
	Point	Along
	Check back	End of road
	Pencil	
	Paper	
	Locate	
	Tick mark	
	Measure	
	edge	
	Splinter	
	Straight	
	Portion	
	Approximate	
	Repeat	
	final	

Basic Soldier's Life

Task #1 - 10 p - 100 - 1000 - 10000
100000

1000000
10000000

100000000
1000000000

10000000000
100000000000
1000000000000
10000000000000

10000000000000
100000000000000

1000000000000000
10000000000000000
100000000000000000

100000000000000000
1000000000000000000
Review

SKILL II

TASK: 091-63A-2078

Describe Treatment of Environmental Injuries

GF

EM

TFCH

must
be able
describe
get
hept
foot
safe
place,n
proper
methods
suffering
each
injury
ld be
indicate
below
without
cool
area
clothing
give
salt
water
drink
during
hour
ld
shade
remove
keep
body
wet
pour
continuous
nearest
medical
at once
continue
the way
when
warn
not
open
fire
snow
only

deep
next
until
fastest
possible
injury
foot
dry
thoroughly
immediately
move
fresh
air
sparate
using
electrical
wooden
rope
after
correc ly

exhaustion
stroke
frostbite
immersion
carbon monoxide

EM

state
treatment
environmental
accomplish
lay
conscious
canteen
period
available
transport
facility
additional
protect
treat

exhaustion
stroke
frostbite
immersion
carbon monoxide
poison
shock
loosen
dissolve
immerse
fanning
massage
exposure
soak
rubbing
thaw
artificial respiration
auxw
administer
electrical

SKILL II

TASK: 091-63A-2077

Describe First Aid Measures for Removing Foreign Object from Eye

GE

BM

TECH

describbs
first
aid
remove
object
from
eye
will
test
following
action
if
(ull up
hold
until
tear
rub
gently
clean
corner
handkerchief
glass
metal
cannot
get
thumb
finger
(matchstick
under
over
look
down
medical
lower
proper

ability
foreign
field
garrison
assistance
action
fail
inspect
removal
treatment
casualty
bandage
facility

foreign
particle
beneath
under eyelid
eyelashes
eyeball
contact
grasp
major
outline
measures

SKILL: II

TASK: 091-63A-2076

*apply First Aid Measures for Fracture
Sprain & Dislocation*

GE

EM

TECH

first
aid
will be
tested
injured
part
come
with
open
leg
without
soldier
prevent
muscle
blood vessels
each
side of
between
use
further
several
above
below
tie
bandage
let
gently
radical
correctly
must
meet
cutting
moving
nerve
enough

ability
apply
casualty
field
garrison
perform
assistance
litter
moving
cutting
place
pressure
points
interfere with
evacuation
facility

measure
fracture
sprain
dislocation
immobilize
reference
like-size
dummy
splinting
dressing
tissue
joint
padding
splint
undue
bind
tightly
flow of
square knot
outer

SKILL II

TASK:091-63A-2075

Describe First Aid Treatment of Burns

GF	BM	TECH
DESCRIBE	tested	reference
first	ability	treatment
aid	minor	severe
treatment	major	blistering
burns	wound	indicate
will be	secure	charring
tested	bandages	sterile
may be	shock	compress
indicate	field	lubricant
if	garrison	also
has	assistance	applied
necessary	conducted	relieve
cover	casualty	stuck
with	vomiting	conscious
pain	abdominal	sodium chloride
relieve	included	sodium bicarbonate
clothing	envelope	mixture
cut	canteenful	included
(not	period	dissolve
away	kit	solution
touching	broken	blisters
try	indicate	medication
remove	result	initiated
pieces		
clean		
pull		
over		
area		
place		
neck		
cool		
water		
give		
slowly		
over		

7/1-R 011 011 1074

General

early
eyes
throat
skin
rapid
habit
breast
sweating
feels
cool
blanket
coat
clothing
at the neck
winter
on the back
keep
warm

Specific

unilateral
stuck
control
measure
causally
restlessness
paleness
clammy
adulterately
clear
away
leave
position (N.N.)
comfortable
conscious
lower extremities
elevated

TASK 091 63.1 1173.

General

Basic

stop
bleeding
around
leg
come across

just
cut

everything
lift

away from
crotch (a)
around
tie

(the) ends
securely

casualty
dressing
first aid
arterial wound
incision
apply
pressure
wrap
bandages

TASK 091 0311 1072

General

perform
using
mouth
nose.
stopped
breathing
must
() give
on his back
place (v.)
under
shoulder
head
drop
immediately
() blanket
() is not used
deep
breath
take
make
() being used
blow into
remove.
listen for
return
air.

Basic

artificial respiration
method
casualty
apply
(10) clear
airway
position (v.)
rolled
blanket
drop back
adjust
lower jaw
jutting out
cut
inflating
air tight
deflating and
at a rate of.

7113K. 091. 63A. 10-11

General

Basic

- (1) perform
- (2) wearing
- (3) restore
- (4) breathing
- (5) quickly
- (6) opposite
- (7) against
- under
- (8) over
- in place
- (11) removing
- (12) stand at
- (13) almost
- (14) meet
- (15) above
- as far as possible
- (17) (to) draw
- (18) life
- (19) best
- carrying
- in hand
- (21) foot
- (22) feet
- (23) shoulder
- (24) lower ribs
- (25) back

- (1) tongue
- (2) artificial
- (3) respirator
- (4) mouth
- (5) means
- (6) method
- (7) result in
- (8) gratification
- (9) lift
- (10) action
- (11) against
- (12) air
- (13) hands
- (14) casual
- (15) manner
- (16) position
- (17) under
- (18) station
- (19) in
- (20) despite
- (21) position
- (22) meet
- (23) above
- (24) grazing
- (25) rock formation
- (26) exert
- (27) steady
- (28) directly
- (29) downward
- (30) firm
- (31) resistance
- (32) force
- (33) stretch
- (34) cycle

125

FIRST AID

TASK 091-63A-1070

General	Basic	Technical
measures to be applied tested on ability to determine alone. unconscious heart is beating not breathing deep cut apply mouth bleeding	first aid casualty unconscious in his thigh clear air way maintain artificial respiration treat for shock wound protect identify relate	

SKILL II

TASK: 091-63A-2010 *Describe Actions for Crossing a Radiologically Contaminated Area*

GE	EM	TFCH
DESCRIBE	field	radiologically
action	garrison	contaminated
for	ability	minimize
crossing	dose	entry
area	assistance	shielding
would	state	sandbagging
take		dose
to keep		rates
total		evaluation
low		
possible		
while		
without		
stay		
in		
selecting		
quickest		
route		
to be used		
delay		
provide		
floors		
sides		
vehicle		
through		

SKILL II

TASK: 091-03A-2007 *Identify The 3 types & Describe Effects
of Nuclear Bursts*

GE	HM	TECH
identify	ability	nuclear
three	perform	explosion
describe	field	reference
four	garrison	burst
effects	assistance	subsurface
each	personnel	blast
types	materiel	pressure
without	resulting from	high-speed
air	explosion	flash
surface	standards	reduction
wind	evaluation	vision
can	casualties	radiation
cause		contamination
death		materiel
injury		
heat		
burn		
fires		
explosion		
light		
temporary		
loss		
equipment		
must		
be able		
failure		

took 1/11/1951 and a few
 others against effects of the
 nuclear burst and of visible
 building of blast.

Basic military	General
defense	take
nuclear burst	actions
fallout	against
toxicity	effects
blast	possible
mission	resulting
overhead cover	bright
overhead cover	intense
General	dig
injury	dig
equipment	immediately
damage	ground
reinforce	face down
repair	protect
supplies	areas
separate	exposed
chamber	skin
	direct
	exposure
	remain
	debris
	calm

INSK C91 GEN 1001 Inspect &
maintain parts of the
mask & its carrier

THIR

mask
carrier
facepiece
nose cup
eye lenses
eyerings
head harness
clip buckle
voice mitter
outlet valve
inlet valve
filter elements
eye lens inserts

CHIRL

inspect
maintain
of the
identifying
corrective
measures
recognize
deficiencies
procedures
defect
recognize
render
unservicable.

WICK 891-63A-1026 Supply first aid
measures to a chemical emergency.

Basic Military	General	Technical
emergency mask mask to mouth resuscitation	measures chemical feeling tightness chest throat dimming vision difficulty following eye outside situation protection immediately thigh continue additional action in vacation simulation	first aid supply resuscitation chemical resuscitation a little of the situation difficulty following eye outside situation protection immediately thigh continue additional action in vacation simulation

mark 041 6311 1005. Decontaminate.
near individual weapon using M13
M13 Kit.

Basic Military General

M13. M13 Kit

weapon
mark

in air
decontaminate

operation
Ejmgynate
clear

apply
container
water

clean

sub

to be used
thoroughly
rinse

apply
metal
part

MSK 191-63A-1003. Recognize & interpret markers for areas of NBC contamination & hazards.

MTR.	General
NBC	recognize. interpret markers areas contamination hazard

112K. 091-63A-1002 - (Hicc ABC.
(Arms & Warnings)

5/15/10.

007

A B C.

General

ability

alarm

warning

demonstrate

interpret

sound

signal

visual

recall

required

745

Mask 091 0311 1001 P. 1 on 10
 Protective Mask.

Basic.	General	Vitality.
command mask headgear need carrier	perform immediately gas face breathing clear line leak secure of 11450. position intake. and off remove. hold place block at last, established protection hear failure	work catch on air intake leakage.
	146	

Sect I - Maintenance
Task 091-63B-1402
(GE)

Troubleshoot Vehicle Engines
(BM)

(tech)

all

equipment

components
consumption
crank

black

field

blue

information

DA form 2404

cause

member

diesel
doubleshoot

defects

determine (v)

procedures

grinding

engine

excessive

recorded

idle

follow

safety
standards

knocking

gasoline

team

malfunction
multifuel

hot

vehicle

power
pressure

identify

rough
run

listed

low

serviceability

mechanic

meet

must

shut off
squealing
swige
system

necessary

tapping
toolkit
TM

oil

properly

utilize

run

shop

smoke

special

start

stops

suddenly

the following

tools

will not

white

various

Sect I - Maintenance

Task 091-63B-1403 Perform Primary Circuit Resistance Test
(GE) (BM) (tech)

adjust
assistance

listed

adapters

connect

mechanic

B/U multimeter

equipmet

primary
procedures

circuit

failure
follow

tools

.50-volt

general

must

ignition

necessary

jump wire

on

M151 series

{ perform
properly

¼ ton

read
required
result

range
readings
resistance

safety
select
shop

scale
selector
switch on

test
truck
turn

TM
toolkit

utilize

{ without

voltmeter

Sect I - Maintenance

Task: 091-63B-1404 Perform Breaker Point Dwell Test on ¼ton Truck
(GE) (BM) (tech)

ability	check	breaker point
connect	mechanic operate	dwell meter
engine		evaluate
follow		general
perform		M151-series
set		¼ ton
shop		readings
start		
tested		600 RPM
truck		switch
		TM
		toolkit

Sect I - Maintenance

Task: 091-63B-1405 Remove and Clean Spark plugs and set Spark plug gap
(GE) (BM) (tech)

adjust
around

mechanic

by reversing

clean

cables
cleaner
cylinder

dirt

disconnect

from

gap

necessary

install

remove

operation

test

recess
removal

spark plug

tester
terminal
toolkit
torque wrench

150

Sect I - Maintenance

Task: 091-63B-1406 Approximate Timing by Distributor Positioning
(GE) (BM) (tech)

adjust

mark

approximate
assembly

#1

position (n)

breakpoint

of

cable
cap
counterclockwise
cover
crankshaft

distributor

install
positioning

rotate

spark plug

tighten
timing

151

Sect I - Maintenance

Task: 091-63B-1407 Precision Timing
(GE) (BM)

(tech)

all

adapter
aline (v)
attack

connect

direct

devices
disconnect

engine

distribute

on

precision

perform

recheck
reinstall
rotate
running

remove

with

spark plug cable

tachometer
tighten
timing
timing light
timing marks

12
15

Sect I - Maintenance

Task: 091-63B-1408 Compression Test
(GE) (BM)

(tech)

a helper

evaluate

applicable TM

bring

highest

carbureted

ach
engine

normal
note

choke
compression
compression gage
compression strokes
crank

from

record

in
information

vehicle

L-shaped wrench

number

No. 1 cylinder

off
on
open

open position
operating

paper
pencil
perform

reading

remove
require
repeat

set
spark plug
switch

several
step

throttle

temperature
test
is will
times

with

153

Sect I - Maintenance

Task: 091-63B-1409 Manifold Vacuum Test
(GE) (BM)

(tech)

bring

normal

carbureted engine

engine

operating

evaluate

information

gage reading

observe
on

idle engine

install

intake manifold

perform

manifold

manifold vacuum

temperature
test

manifold vacuum line

the fitting

TM

vacuum gage

w/adapter

154

Sect I - Maintenance

Task: 091-63B-1410 Use Torque Wrench
(GE) (BM)

(tech)

ability

apply

aligns with
attach

desired

determine

bolts

engine

(handle)

dial

if

pressure

nuts

is reached

vehicle

on

pointer

proper

reading

properly

pull

scale
socket

required

TM 9-243

size

torque (v)

slow

torque wrench

steady

wrench handle

until

use

zero (v)

various

with

Sect I - Maintenance

Task: 091-63B-1411 Adjust Valve Tappets
(GE) (BM)

as necessary

bring

check

inspect

properly

remove

temperature

adjust

normal

operating

(tech)

bring

clearance

feeler gage

gasket

idle

install

installed

rocker arm cover

torque

torque wrench

utility truck

valve tappets

156

Sect I - Maintenance

Task: 091-63B-1412 Oil Filter
(GE)

(BM)

(tech)

add
air

container
cover

air cleaner

clean
close
cloth

drain

center stud
compressed air
cover gasket

damage
defects
dry

items

discard

listed

element
engine cover

engine

procedures

install

from

suitable

lint-free cloth

oil
open

vehicle

oil fitter element
1 1/2 ton truck

part

retainer gasket
retainer washer

remove

secure

solvent
spring
stud gasket

with
without

TM

157

ect I - Maintenance

Task: 091-63B-1413 Replace Intake and Exhaust Manifolds
(GE) (BM)

all

caused by

(tech)

bellcrank
bolt

for
from

defect

carburetor
clamp
cylinder head

must

leak

replace

disconnect

remove

secure

exhaust manifold
exhaust pipe gasket

vehicle

inlet pipe
intake manifold

lock

manifold gasket kit
mounting

oilcan
¼ ton
operation

procedures

reversing

toolkit
torque (v)
torque wrench

utility truck

158

Sect I - Maintenance

Task: 091-63B-1414 Air Box Drain
(GE) (BM)

(tech)

air

attack

air box

check
close

disconnect

brake air tube

engine

insert

cleaning

open
operate

service (v)

discharge
drain
drain tube

remove

engine block
engine cover

secure
start
stop

install

1 1/4 ton truck

remove

service (v)

tee fitting

145

Sect II - Cooling System

Task: 091-63B-1431 Replace Thermostat
(GE)

check

fill

open

remove

test

(tech)

coolant outlet
cooling system
cylinder

drain dock
drain pass
drain radiator

gasket

install

leaks

¼ton utility truck
operation

removal
reversing

thermostat
torque wrench

Sect II Cooling System

Task: 091-63B-1432 Perform an Air Suction on a Cooling System

(GE)

(BM)

(tech)

bring

attach

air bubbles

check

capacity

air suction

air tight seal

half

examine

bend

medium

level

coolant

cooling system

perform

pail

place (v)

hose

test

replace
required

kinks

water

overflow tube

rubber tubing

surge tank

tank cap

wrecker

Sect II
091-63B-1433
(GE)

Remove and Install a Water Pump on a 2½ton truck M35

	(BM)	(tech)
damage	drain	adapter adjusting air compressor
remove	improper installation	bearing retainers block bolts bypass line
water without	required	cooling system disconnect drain pass fan fan-to-pulley fittings generator inlet line install installation mechanical puller pump pump shaft reverse shaft key thermostate water lines water pump water pump gasket

162

Sect II - Cooling System

Task: 091-63B-1434 Remove and Replace Radiator 2½ ton truck M35A2
(GE) (BM) (tech)

engine	drain	brush guard
from	remove	coolant
front	replace	drain pan
pull	vehicle	front engine support
remove		hose
water		loosen
		nuts
		pull free
		radiator
		radiator stay rod
		reversing
		springs
		2½ ton truck
		washers

163

Sect III Fuel System

Task: 091-63B-1445 Perform a Fuel Pump Pressure Test on a 1/2 ton truck
(GE) (BM) (tech)

connect

disconnect

filter

obtain

fuel

fuel line

fuel line tube

fuel pump

perform

pump

gage

gage readings

interpret

pressure gage

pressure test

vacuum

Sect X

Task: 091-63B-1649 Maintain and use basic issue items
(GE) (BM)

(tech)

clean
cover

ability
accidental
as required

chisel
cracks
cutting edge

for

basic issue

determine
dress (v)
drifts

injury

crew

properly

environment
equipment

forms

tested
tools

hammer handle

use

inspect

inventory

will be

lubricate

lubricant

your

maintain
member

preserving material
punches

prevent

service (v)
serviceability
sock

store (v)

wedge
welding
wrecker truck

Sheet X

Task: 091-63B-1648 Replace front winch shearpin
(GE) (BM)

(tech)

between

ability
assistance

adjustment
aluminum alloy shearpin

check

environment

cotter pins

front

field

exist
expose

hole

postion

gen. mech. toolkit

inch

remove

insert
install

move

securely
shop

new

loosen
lubricant
lubricate

on

stop

setscrew
shearpin hole
slide
stop collar

test

toward

two

until

tightne
TM
2½ton truck

will be

with

universal joint
universal joint yoke

winch drive worn shaft
winch shearpin

Sect X

Task: 091-63E-1647 Adjust front winch automatic brake
(GE) (BM)

(tech)

another

as required
assistance

adjust
automatic brake

backward

begin

by turning

brake

brake case

environment

brake spring adjustment screw

front

field

gen. mech. toolkit

if

position

incline

on

shop

neutral

part way up

pull

vehicle

power-takeoff

roll

shift (v)

test

tested

steep

suitable

up

to be towed

2½ton truck

vehicle

underside

will

winch

107

Sect X

Task: 091-63B-1646 Adjust winch brake and cable tensioner
(GE) (BM)

(tech)

should
another

ability
as required
assistance

adjust
air chamber push rod yoke
automatic brake

between

correct

cable tensioner
clockwise

check

environment

from
front

field
following
front

determine
disengage
drag brake
drum

hill
hold

observe

5-ton wrecker

if

properly

gap

not

vehicle

half ($\frac{1}{2}$)

on

pull
pull on

lever
load
locknut
loosen

rear

stop (v)

obtain
overheat

tested
turn

rod

until

screw
sheaves
suitable

warm
will be

to be towed

your

winch brakes
winch drum

yoke

Sect X

Task: 091-63B-1645 Remove and install a front winch cable on a medium wrecker M816
(GE) (BM) (tech)

end	ability	cable
from	assistance	front winch cable
ole	environment	gen. mech. toolkit
in	field	install
pull	gloves	level wind sheave
without	leather	medium wrecker
	procedure	removal
	remove	reverse
		setscrew
		tensioner sheaves
		unwind
		winch drum

Sect X

Task: 091-63B-1644 Test and adjust pressure relief valve
(GE) (BM)

(tech)

engine

ability

adjust, adjustments

on

adjust
as required
assistance

disengage

pull out

correctly

engage
evaluate

start

stop

environment

gen. mech. tool kit

tested

field

hydraulic pressure gage
hydraulic pump

will be

procedures

install

remove

power divider
pressure gage reading
pressure relief valve

test

without

throttle

valve bank cover

wrecker crane hydraulic system

Sect X

Task: 091-63B-1643 Perform lifting operation with a wrecker truck M816
(GE) (BM) (tech)

down	ability	boom
for	crew	crane control
into	environment equipment	damage determine
parking	field	electrical brakes extension
tested travel	member	lift lifting operation
will be	operation	
	perform	maximum
	place (v)	
	position (v)	outriggers
	secure	wrecker truck
	set (v)	w/sling
	vehicle	5 ton truck

Sect. X

Task: 091-63B-1642 Operate rear winch on a wrecker truck M816

(GE)

(BM)

(tech)

for
fourthability
as requiredcable tensioner valve lever
clutch

move

crew

disconnect
disengaged position

prepare

damage

electric brake lock
engage

rear

equipment
environment

engine clutch control lever

tested

field

field chocks

travel

follow

5 ton medium

turn on

listed

floodlights

will be

member

gear

operate

install

perform
permit (v)
procedures

lock pin

neutral

recovered
removeoff position
on positionsecure
situationplace (v)
position
power divider

vehicle

recovery
release
rewindshift
suitabletactical
transfer selector lever

unwind cable

winch (ing)
winch level wind
winch shift lever
wrecker
wrecker trunk

Sect X

Task: 091-63B-1641 Operate front winch on a wrecker truck M816
(GE) (BM) (tech)

feet	ability	clutch pedal
for	attach	
from		damage
front	crew	drum clutch
ground	in required position	electric brake
prepare	member	engage
		erect
set	operate	field chocks
tested		5 ton medium
travel	perform	
	power	install
will be	release	level wind
	secure	neutral
	truck	position (v)
	unlock	procedures
	until	recovery
	use	release
		required
	vehicle	rigging
		set firmly
		transmission
		unhook
		unwind
		w/BII
		winch (v)
		winch cable hook
		winch control level
		winch drum
		wrecker truck

Sect IX

Task: 091-63B-1627 Remove and [✓]replace the front spring and shackles on 5 ton M809
(GE) (BM) (tech)

allow	ability	clearance
	above	
from	as required	5 ton front spring
front		5 ton truck
	parts	frame
raise	procedures	front spring
remove		
	remove	gen. mech. toolkit
tested	repair	
to		install
will be		jack stands
		lifting capability
		load
		lower shock
		mount (v)
		pins
		reversing
		shackles
		spring hangers
		TM
		U-bolts

Sect IX

Task: 091-63B-1626

(GE)

(BM)

(tech)

allow

ability
as required

access
assistance
axle

from

load

block (v)

raise
rear

procedures

5ton truck

seat
spring

remove

gen. mech. toolkit
guide brackets

tested

vehicle

install

will

wheel

jack
jack stan

lifting capability
load

replace
reverse

springs
spring assembly
spring saddle
spring seat clamp bolts
suitable

TM

U-bolts

Sect IX

Task: 091-63B-1625 Remove, inspect and replace rear spring seat's 2½ ton truck
(GE) (BM) (tech)

all	ability	assistance
	as required	axles
clean		
parts	damaged	bearing cap
	inspect	cargo
raise		clear of
rear	place (v)	cross shaft
	parts	
seat		gen. mech. toolkit
	remove	
tested	repair	install
under	seat	jacks
	special	jack stand
vehicle		
	tools	lift capability
will		locknut
worn	vehicle	lubricants
	wheels	nut/lock
		rear spring seat
		spring
		stands
		torque
		torque wrench
		2½ ton truck
		U-bolts

Sect IX

Task: 091-63B-1624 Remove and replace front springs
(GE) (BM)

(tech)

all

ability

clamp plate

clean

as required
assemble

disassemble

from

disconnect

frame

front

front springs

lift

holding

gen. mech. toolkit

parts

inspect

install

raise

remove
repair

jack

jack stand

tested

seat

leaves

will be

lift off

nuts

pins

replace

screws

shock absorbers

spring mounting pins

TM

2½ton truck

U-bolts

U-bolt saddle

Seet IX

Task: 091-63B-1623 Remove inner and outer center axle shock absorbers
(GE) (BM) (tech)

in	ability	body bracket bushing
tested	discard	capscrew
to	remove	center axle shock absorbers
will be	secure (v)	differential bracket
without		flask washer
		gen. mech. toolkit
		inner
		lockwasher
		lower end
		mounting pin
		nut
		1½ton truck
		outer
		pin
		shock absorber
		suspension arm weldment
		TM
		upper end

Sect. IX

Task: 091-63B-1622 Install center axle leaf springs
(GE) (BM)

(tech)

between

ability

A-frame
assemblies
assistance
arm

check

bounce

do not

insert

block (v)
bottom out (v)

eight
end

normal

left

operate
operation

center (v)
center axle leaf springs
center differential

on
one
opposite

remove

equidistant

right

vehicle

gen. mech. toolkit

tested
to

wheel

install
insure

under
until

jack (v)

leaf spring
lock washer

will be
with

1½ton truck

your

pads
position (v)

screw
shift (v)
spring brackets
spring tower

torque wrench

Sect IX

Task: 091-63B-1621 Remove center axle leaf springs
(GE) (BM)

(tech)

center
clear (v)

ability

A-frame
assembly
axle leaf spring

end

center

bolts

from

ends

differential

inches

lower (v)

free arm

left

remove

gen. mech. toolkit

of

secure

jack (v)
jack, blocks

on

tire

one

opposite

upper
using

lockwasher

raise

rear

right

wheel

nuts

side

1¼ ton truck

tested

outer shock absorbers

until

screw
slide (v)
spring
spring brackets
spring tower

will be

your

TM
tractor

withdrawn

Sect IX

Task: 091-63B-1620 Install tractor front and carrier shock absorbers
(GE) (BN) (tech)

failure
follow
front

ability
end
equipment

bolt
carrier
gen. mech. toolkit

meet
must

listed
lower

install

on

procedures
properly

nut

tested
two

1½ ton truck

will be

tools
upper

position (v)

vehicle

safety
secure
shock absorbers
standards
structure
stud
suspension arm

TM
torque (v)
torque wrench

utilize

washer

Sect IX

Task: 091-63B-1619 Remove front and rear upper suspension arms 1¼ ton truck M561
(GE) (BM) (tech)

cap	ability	air hose
		aside
from	normal	assembly
front		
	remove	ball joint stud
hold		blocks
	tested	breaker bar
open		
on	upper	cap (v)
		clamps
rear	vehicle	coil spring
		drum
		equipment
		gen. mech. toolkit
		gross weight
		hud assembly
		hydraulic hose
		jack
		knuckle
		line
		listed
		1¼ton truck
		ports
		position (v)
		procedures
		properly
		protective
		safety
		screw
		shock absorber
		socket wrench
		support
		suspension arm
		tape
		tire
		TM
		utilize
		wheel

Sect IX

Task: 091-63B-1618 Remove, inspect, repair and install a tractor front torque tube bearing assembly on a 1½ ton truck

(GE)

(BM)

(tech)

clean

assemble

adjust
assembly

repair

grease

cleaning solvent

inspect

disassemble

remove

front torque tube bearing

gen. mech. to kit

grease oil

instal.
items

1½ ton truck

procedure
properly

reference

TM
torque
tractor
tube bearing assembly

universal joint repair kit

vise

wrench

Sect IX

Task: 091-63B-1617 Remove and replace front lower ball joints
(GE) (BM) (tech)

end	as required	ball joints
from	remove	coil spring
front	vehicle	components
raise		disconnect
separate		end of
steps		gen. mech. toolkit
		install
		jack
		jack stands
		lower ball joints
		¼ton utility truck
		position (v)
		replace
		reverse
		shock absorber
		suspension arm
		torque (v)
		torque wrench
		vise
		wheel drive shaft

Sect IX

Task: 091-63B-1616 Remove and replace shock absorbers
(GE) (BM)

(tech)

front

ability

bolts

lower

inspect

install

parts

parts

jack

jack stand

raise

remove

lower suspension arm

truck

repair

mountings

under

nuts

$\frac{1}{2}$ ton truck

position

replace

shock absorbers

torque (v)

torque wrench

unserviceable

Sect IX

Task: 091-63B-1615 Repair wheeled vehicle suspension system

(GE)

(BM)

(tech)

repair

as required

parts

special

tools

wheeled vehicle

adjust
applicable
assembly
assembly hangers

ball joints
bearings
bolts
broken
bushing

components

frames

gen. mech. toolkit

mounts

pins

replace

shackles
shocks
spring seats
springs
suspension system

torque rods

Sect IX

Task: 091-63B-1614 Troubleshoot wheeled vehicle suspension systems
(GE) (BM) (tech)

all	ability	breakage
causes	be required	control
failure from	control	determine
noise	following	excessive
one	insufficient	flexibility
pencil	lack of	gen. mech. toolkit
side	record	lack of
slow	special spring	malfunction
tested	wheeled vehicle	recovery
various		sags spring leaf suspension system
will be		tools troubleshoot

Sect IX

Task: 091-63B-1613 Inspect the suspension vehicle suspension systems
(GE) (BM) (tech)

all	ability	adjust
		A-frame arms
broken	bent	applicable
	be required	axle assembly
free		
from	condition	ball joints
		bearings
in	following	bolts
in place		brackets
	identify	bumpers
must	information	bushings
	inspect	
pencil	items	center (v)
		components
tested	listed	cracked
will be	record	defects
without		determine
	wear	
	wheeled vehicle	excessive
	worn	
		gen. mech. toolkit
		hangers
		leaks
		leaves or clips
		lube (ed) (v)
		mounts
		movements
		outer shell
		piston rods
		rivets
		serviceability
		shackles
		shock absorbers
		springs
		spring seats
		suspension system
		tight
		torque rods
		u-bolts

Sect VIII

Task: 091-63B-1596 Install power steering pressure hose return and related parts
(GE) (BM) (tech)

add	ability	adapter
bottom	oil	elbow
engine	power	5 ton truck
if	wheel	gear
in		gen. mech. toolkit
necessary		hose
parts		hydraulic
return		idle speed
run		install
speed		position (n)
start		pressure hose
straight ahead		related
top		steering gear
tested		steering pressure
will be		torque
		tube

Sect VIII

Task: 091-63B-1595 Remove and install steering column bushing

(GE)

(BM)

(tech)

from

ability

bracket
bushing

tested

remove

clamp
column

will be

firewall
5 ton truck

gen. mech. toolkit

install
instrument panel

lower

mounted

nut

retaining
reversing

screw
steering
steering column
steps

upper

washer

Sect VIII

Task: 091-63B-1594 Perform power steering cylinder travel adjustment
(GE) (BM) (tech)

has been

ability

adjusted
adjustment
assembly

turn

decrease

when

extend

bolt

perform

clamping
clockwise
counterclockwise
cylinder

release

5 ton truck

gen. mech. toolkit

loosen

nut

power cylinder
power steering
power steering cylinder
pressure

socket

threaded end
tighten
to extend travel
torque (v)
torque wrench
travel

Sect VIII

Task: 091-63B-1593 Remove and install a steering knuckle boot

(GE)

(BM)

(tech)

center

inside out

align

close

apply

cut

lock

axle

cut off

over

boot

pull

boot guard

top

remainder

cement

remove

clamps

right side out

ward

excess

with

zipper

gen. mech. toolkit

inner clamp

install

loosen

outer

seal

sealer cement

steering knuckle boot

steering knuckle upper sleeve

2½ ton truck

Sect VIII

Task: 091-63B-1592 Repair, replace and adjust a drag link
(GE) (BM) (tech)

clean

as required

adjust
adjusting plugs

turn

inspect

back out

remove

repair

cleaning material
compressed air
cotter pin

the ends

drag link

gen. mech. toolkit

install

loosen
lubricate
lubricants

parts

replace
reversing

source
steering wheel
stud balls

2½ton truck

Sect VIII

Task: 091-63B-1591 Perform a steering gear adjustment 2½ton cargo truck M35A2
(GE) (BM) (tech)

tested
turn

ability
as required

adjust
adjusting screw
adjustment

will be

check
connect

bashlash (v, n)

perform

disconnect

remove

drag
drag link

tighten

gen. mech. toolkit

upper

housing

loosen

midposition

perceptible
pitman arm

special
steering gear
steering jacket bracket clamp
steering wheel

tools
2½ton cargo truck

upper cover shims

Sect VIII

Task: 091-63B-1590 Remove, disassemble, inspect and install tractor and carrier tie rod assemblies 1½ton M561 (BM)

(GE)

all

between

center

clean

parts

use

using

as required

check

inspect

perform

remove

repair (v)

secure

(tech)

alignment
assemble

carrier
carrier intermediate rod
clean rags
cleaning solvent
cotter pin

disassemble

gen. mech. toolkit

idler arm
inner rod
install
installation

jamnuts

loosen

nut

1½ton truck

pitman
procedures

removal
removal tools
repair kit
reversing
rod ends

separate
steering knuckle

tie rod assembly
tie rod end
tractor
tractor pitman
tube

washer
wheel

Sect VIII

Task: 091-63B-1589 Tractor idler arm - 1¼ton M561
(GE) (BM)

(tech)

use

by removing

components
cotter pin

remove

disconnect

gen. mech. toolkit

idler arm
idler housing
install
intermediate rod

lockwasher

nuts

1¼ton truck

removal tool
replacement seals
reversing

screw
securing

tie rod
tie rod removal tool
torque (v)
torque wrench
tractor idler arm

washers

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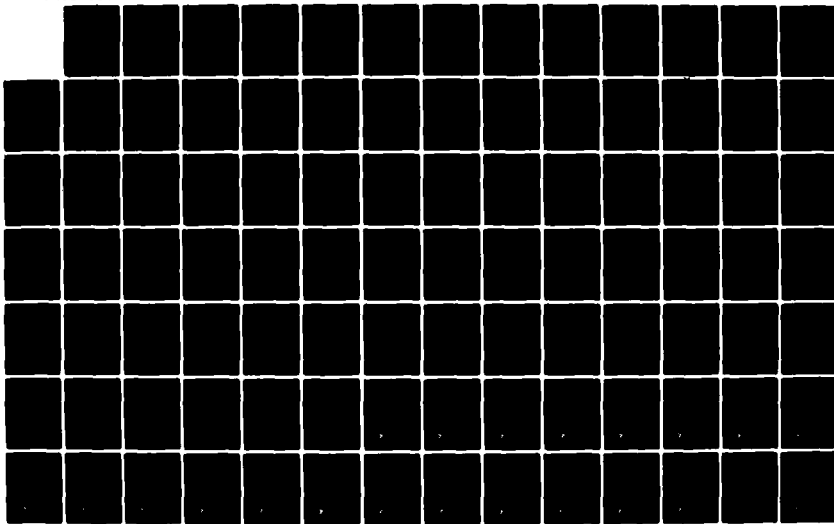
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 63B WHEEL
VEHICLE MECHANIC..(U) DEFENSE LANGUAGE INST LACKLAND
AFB TX ENGLISH LANGUAGE CENTER.. 14 JAN 77

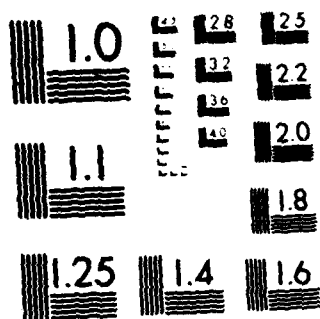
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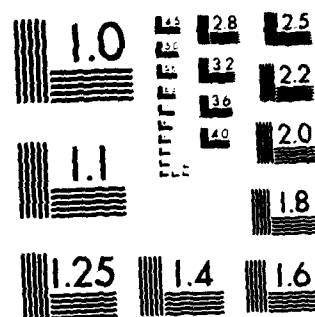
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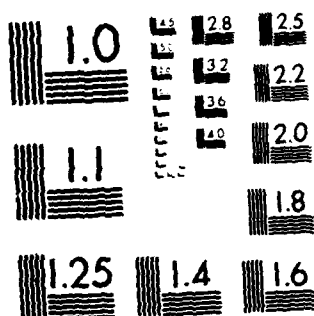




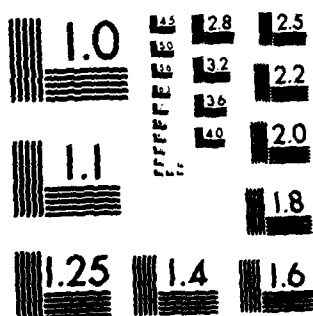
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



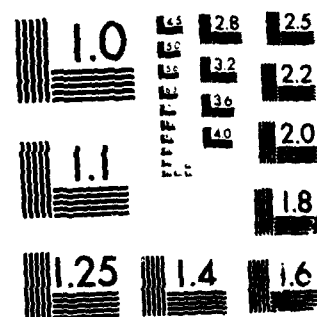
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

Sect VIII

Task: 091-63B-1588 Remove and install tractor steering gear box 1½ton M501
(GE) (BM) (tech)

tested

ability
as required

access panel
align

will be

check
perform
remove

chalk
components

evaluate

front wheel

gen. mech. toolbit

install

1½ton truck

pitman arm

replace
reversing

service
steering gear box
steering shaft
steering wheel column
steering wheel hub

test drive
torque wrench
tractor

universal joint

wheel alignment

Sect VIII

Task: 091-63B-1587 Remove and install tractor pitman arm 1½ton truck M561
(GE) (BM) (tech)

tested on

ability

align

will be

remove

evaluate

gen. mech. toolkit

index mark

install

intermediate rod

nut

1½ton truck

pitman arm

position (v)

secure

slot

steering gear box shaft

test drive

tie rod

tie rod removal tool

torque (v)

torque wrench

tractor

Sect VIII

Task: 091-63B-1586 Install steering knuckle 1¼ton M561
(GE) (BM)

(tech)

end of

ability

air hose

tested on

connect

assembly

axle shaft assembly

will be

remove

bleed

blocks (n)

tire

brake assembly spindle

brakes

vehicle

coil spring

gen. mech. toolkit

hydraulic hose

install

jack

lower (v)

lower arm

lower ball stud

1¼ton truck

pinch bar

position (v)

secure

shock

soft face mallet

steering knuckle

stud axle

tie rod

torque wrench

upper ball joint stud

wheel assembly

Sect VIII

Task: 091-63B-1585 Remove tractor and carrier steering knuckle 1¼ton M561
(GE) (BM) (tech)

aside	ability	air hose
		aside
on	remove	
		blocks
tested	vehicle	brake assembly
		brake assembly spindle
will be		
		carrier
		coil spring
		disconnect
		drive axle shaft
		gen. mech. toolkit
		hoses
		hydraulic hose
		install
		jack (v)
		lock plates
		nuts
		1¼ton truck
		open lines
		pinch bar
		ports
		protective caps
		securing
		shock absorber
		soft face mallet
		steering knuckle
		support
		tape
		tie rod end
		TM
		tractor

Sect VIII

Task: 091-63B-1584 Perform tractor and carrier toe-in adjustment 1½ton truck M561
(GE) (BM) (tech)

both

ability
as required

adjust
adjustment

ends

perform

carrier
carrier wheels

read

test

front tie rods

will be

vehicle

gage
gen. mech. toolkit

wheels

locknuts
loosen

1½ton truck

position (v)

tie rod
toe-in
toe-in gage
torque (v)
torque wrench
tractor

wheel alignment

Sect VIII

Task: 091-63B-1583 Remove and replace idler arm
(GL) (BM)

from

ability
as required

(tech)

bracket
bushing

tested

inspect

components

will be

remove

frame

gen. mech. toolkit

idler arm
install

¼ton utility truck
operation

parts kit
procedure
puller

removal
reversing

seals

tie rod ends
TM
torque (v)
torque wrench

Sect VIII

Task: 091-63B-1582 Steering wheel
(GE) (BM)

(tech)

will be

ability

assembly

remove

gen. mech. toolkit

tested

horn switch

¼ton utility truck

replace

shaft nut

steering wheel

torque

Sect VIII

Task: 091-63B-1581 Repair Steering system
(GE) (BM)

repair
required

tested on
tools

vehicle

(tech)

adjust
applicable

column
components

drag link

gear
gen. mech. toolkit

hydraulic hose
hydraulic line

pump

repair parts
replace
reservoir

special
steering
steering cylinder
steering knuckle
system

tie rod ends
toe-in

wheel
wheeled

Sect VIII

Task 091-63B-1580 Adjust toe-in on a wheeled vehicle
(GE) (BM)

against
amount

correct
distance

(tech)

adjust
adjustment
ahead

between

move

bearing (v)

ends (v)

place

equal

from

the ground
tires

front tire

in
in back of

vehicle

gage
gage point
gen. mech. toolkit

level

wheels

out

inflate

position

pendant chain

read

place (v)
position
pressure

same
smooth
straight ahead

registers

turn

set
straight ahead

until

tire side wall
TM

zero

toe-in
toe-in gage
to obtain
2½ton truck

wheeled

Sect VII

Task: 091-63B-1579 Inspect the steering system - wheeled vehicle
(GE) (BM) (tech)

noise	ability	adjustment
pencil	broken	alignments
unusual	inspect	applicable
will be	items	bent
	proper	components
	record	condition
	required	damaged
	tested	defect
	the following	determined
	vehicle	drag links
	wheel	dust cover
		excessive
		fitting
		gen. mech. toolkit
		leaking
		level
		lines
		lube
		missing
		mount bolts
		operation
		pitman arms
		play
		power
		power steering pump
		proper
		reservoir
		seals
		serviceability
		standard
		steering column assembly
		steering system
		threads
		tie rods
		toe-in chamber
		wheeled
		worn

ect VII

Task: 091-63B-1545 Troubleshoot the brake system - wheeled vehicle

Sect VII

Task: 091-63B-1560 Replace and adjust hand brake shoe and drum
(GE) (BM) (Tech)

from

apply

adjust

hand

release

blocks

remove

bolt

one

vehicle

brake shoe assembly

brake stop bracket

rear

wheel

companion flange nut

cotter pin

dust deflector

gen. mech. toolkit

hand brake

hand brake shoe

hand brake drum

install

jack (n)

jack up

output shaft

propeller shaft

replace

reverse

steps

Sect VII

Task: 091-63B-1558 Remove and replace the hand brake lever and linkage 2½ton M35A2
(GE) (BM) (tech)

each
end

remove

bracket
brake cable

cable
clamps

gen. mech. toolkit

install

lever
lever mounting bolts
linkage

nut

procedure

reversing
replace

2½ton truck

Sect VII

Task: 091-63B-1557 Bleed hydraulic brake system 2½ ton M35A2

(GE)

(BM)

(tech)

at

attach

air bubbles

air-hydraulic cylinder

bottle

connect

bleed

clean

remove

bleed screw

close

brake fluid

class

counterclockwise

open

filler cap adapter

turn

flows out of

use

gen. mech. toolkit

glass jar

without

hose

hydraulic brake system

master cylinder

pressure tank

submerge

tank hose

tube

2½ ton truck

wheel cylinder

Sect VII

Task: 091-63B-1556 Remove wheel cylinder 2½ton M35A2
(GE) (BM)

remove

(tech)

adjust

bleed
brake cylinder clamp
brakedrum
brake pliers
brakes

cargo

gen. mech. toolkit

hydraulic fluid
hydraulic jack

install

jack stand

replace

service breakdrum

2½ton truck

wheel cylinder

Sect VII

Task: 091-63B-1554 Remove and replace air reservoir 2 1/2 ton 35A2

(GE)

(BM)

(tech)

above

drain

adjustment

air

air

equipment

caused by

operate

cylinder

cylinder mount bolt

without

cylinder shield

remove

replace

defects

disconnect

safety

hydraulic lines

tools

improper

vehicle

install

installation

procedure

reverse

stoplight cable

system

utilized

Sect VII

Task: 091-63B-1553 Remove and replace master cylinder
(GE) (BM)

(tech)

fill

connect

bleeder tube

bracket

remove

brake fluid

breather lines

disconnect

hydraulic

install

linkage

master cylinder

power-takeoff shift lever
procedure

replace

reverse

2½ton cargo truck

Sect VII

Task: 091-63B-1552 Perform major brake adjustment 2½ton M35A2

(GE)

(BM)

(tech)

turn

inspection

adjustment

anchor pin

major

brake

perform

brake lining

remove

clearance

wheel

drum

feeler gage

gen. mech. toolkit

insert

inspection cover

install

jack

jack stand

locknut

loosen

rotate

wheel

Sect VII

Task: 091-63B-1551 Perform a service brake pedal free travel adjustment 2½ton M35A2
(GE) (BM) (tech)

from turning

check
connect

adjust
adjustment

hold

perform

brake free travel
brake pedal

to keep
turn

remove
require

clevis bar
cotter pin

test

free travel

install

jamnut

loosen

master cylinder

pedal lever
push rod

service brake pedal
setting

tighten

yoke

Sect VII

Task: 091-63B-1550 Adjust and bleed the service brakes on 1¼ ton M561
(GE) (tech)

close	additional	refill
	adjust	road test
direction	adjusting tool	rotate
	air bubbles	
full	align	screw
	aline	secure
ground	apply	service brakes
	axle	star wheel
helper		
	back off	tire
open	bleed	transfer
opposite	bleeder tube	transmission
	brakedrum	turn
six	brake fluid	
	block	wheel cylinder bleed screw
turn		
	clear	
with	clearance	
	clicks	
(BM)	correctly	
	cover	
at a time		
attach	flow	
	fluid	
backward	freely	
forward	ground	
inspection	insert	
	insure	
is required		
	jack	
observe	jack stand	
present	locks	
raise	master cylinder	
remove		
require	neutral	
vehicle	operate	
	plug	

Sect VII

Task: 091-63B-1549 Service brake assembly 1½ ton truck
(GE) (BM)

(tech)

until

raise
remove
replace

adjust
air line

tire

bleed
bleeder tube
block
brake fluid

vehicle

wheel

clear

disconnect
drive axle

gen. mech. toolkit
ground

hydraulic line
install
jack and jack stand

reverse

service brakes
service brake assembly
steering knuckle
steps
stub axle

Sect VII

Task: 091-63B-1548 Remove and replace parking brake drum, shoes 1½ ton M561
(GE) (BM) (tech)

remove
replace

adjust

backing plate
brakeshoes

console

disconnect

hub nut

install

linkage

nuts

output shaft
output yoke

parking brakedrum and shoes
procedure
propeller shaft

removal
reversing

torque
torque wrench
tractor seat
transfer

yoke shaft

Sect VII

Task: 091-65B-1547 Adjust parking brake handle and linkage 1½ ton truck M561
(GE) (BM) (tech)

above	is required	adjust
holes	left	adjusting rod
in	remove	aline
knob		apply
out		brake
stop		brake lever
turn		cage nest
until		clockwise
		console
		counterclockwise
		disconnect
		firm
		handle
		install
		installation
		linkage
		one-half
		operate
		parking brake
		pull
		release
		seat
		secure
		system
		tractor seat
		truck

Sect VII

Task: 091-63B-1546 Remove and replace service brake drum, shoe, lining M151 ¼ton
(GE) (BM) (tech)

after

ability

adjust

must

inspect

remove

replace

vehicle

brakes

brake spring pliers

brakeshoes

brakeshoe adjuster tool

brakedrum

block

install

installation

jack

jack stand

jackup

lining assembly

operation

removal

reverse

service brakedrum shoe

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ect VII

Task: 091-63B-1545 Troubleshoot the brake system - wheeled vehicle

(GE)	(BM)	(tech)
floor	ability	action
goes to	are applied	air hydraulic cylinder
	cause	air pressure
nearly		applicable
one	following	brake
		brake fluid
pencil	listed	brake system
pull	perform	braking action
		determined
side	test	drag
slow		
	vehicle	floor
too		heavy
weak		
when		insufficient
will be		isolate
various		light
		logical sequence
		malfunction
		pedal
		pressure
		properly
		pulls
		releases
		severe
		spongy
		troubleshoot
		wheeled

Sect VII

Task: 091-63B-1544 Inspect brake system-wheeled vehicle
(GE) (tech)

bent	adjust	safety valve
	adjustment	scored
no	air compressor	screws
noise	air hydraulic cylinder	serviceability
	air tanks	shoes and drums
pencil		skid shield
	belt	springs
sufficient	brake	sticking
	boot	stripped
		system
turn		
	chattering	threads
unusual	component	
	contact	
	covers	wheeled
(BM)	crimps	wheel locks
	cylinder	
ability		
apply	deficiencies	
	determine	
condition	drain (v)	
	drum	
inspect		
	evenly	
missing		
	fading	
operation	fittings	
	fluid	
proper	free travel	
	freely	
record (v)		
required	gen. mech. toolkit	
test	keepers	
torn		
	leak	
vehicle	level	
	lines	
worn	linkage	
	loose	
	maintenance	
	master cylinder	
	metal	
	mounts	
	operates	
	output	
	peacock	
	pedal	
	plungers	

Sect VI

Task: 091-63B-1526 Inspect, repair front axle shaft with universal joint
(GE) (BM) (tech)

clean	as required	adjust axle
end	caused by	axle shaft
follow from front	inspect operate	boot brakedrum brake flange plate
must	remove repair	clamp cleaning materials
with	vehicle	defects drive flange drum guard hub jack jack stand kit loosen lubricants lubricate oil slinger outer/inner replace replacement slide special spindle steering knuckle boot steering spindle TM, LO tool torque 2½ton cargo truck U-joint universal joint vise wheel

Sect VI

Task: 091-63B-1525 Inspect, service, replace hub and ^{break} drum
(GE) (BM) (tech)

all	as required	adjust axle drive flange
clean	caused by	bearing cones and cups bearing adjustment bearing parts kit break drum block
front	defect	
parts	include inspect	cleaning materials
test	operate	hub
wheel	remove	inner install
without	vehicle	jack (n) jack stand jack up
	wheel	lubricate lubricants
		nuts
		oil seal outer
		procedure
		removal replace replacement reverse
		seal parts kit service (v) special tools
		TM, LO torque

Sect VI

Task: 091-63B-1524 Remove and install propeller shafts
(GE) (BM)

check
make sure
protect
remove
wheel

(tech)

aline
arrow marks
axle

connect

disconnect
driven

flanged yoke

gen. mech. toolkit

install

jack
jack up (v)

propeller shaft

shaft
sleeve yoke

TM
2½ ton truck

universal joints

wheel

Sect VI

Task: 091-63B-1523 Troubleshoot automatic transmission
(GE) (BM)

(tech)

all	as required	applicable
		automatic
high	backward	
		component
in	cause	creep
low	identify	defect (s)
	information	determine
must		drive position
	list	
not		gen. mech. toolkit
	move	
pencil		malfunction
pull	oil	
		neutral
start	record (v)	
		overheat
various	vehicle	
		pressure
will		pressure gage
		properly
		range
		serviceability
		shift
		slip
		special
		system
		the following
		tools
		transmission
		troubleshoot

Sect VI

Task: 091-63B-1522 Disassemble transmission control
(GE) (BM)

can be

move

(tech)

adjust
assembly lever

from

remove

clip
clevis
control
cotter pin

until

without

disconnect

freely

gen. mech. toolkit

insert

jamnut

linkage
lever
loosen

manual

neutral

1½ ton truck

pin
position (n, v)

remote control

secure
shift control assembly
shift control rod

tighten
transmission

vertical

washer

Sect VI
Task: 091-63B-1521
(GE)

(BN)

(tech)

remove

assembly

bolts
bracket

clevis
clevis pin
control
control rod
cotter pin

disassemble

jamnuts

lever
lockwashers
loosening

manual control

pin

secure
selector rod
shift
splined pin

transmission

washer

yoke

Sect VI

Task: 091-63B-1520 Adjust clutch pedal free travel on M816 medium wrecker
(GE) (BM) (tech)

follow	as required	adjust adjustment
must	check	clevis
repeat	medium	clevis locknut
turn	operate	clutch
without	position	connecting
	procedures	depress
	pull	gen. mech. toolkit
	vehicle	install
		link clevis locknut
		link rod
		loosen
		pedal free travel
		previous
		steps
		tighten
		wrecker

Sect VI

Task: 091-63B-1519 Adjust clutch linkage M151 ¼ton truck
(GE) (BM)

(tech)

until

caused
correct

adjust
adjustment

without

defects
improper

clutch
clutch release

obtained
operate

equalizer shaft lever
linkage

procedure

¼ ton truck

remove
return

pedal free travel

rod

spring

Sect VI

Task: 091-63B-1518 Troubleshoot clutches on wheeled vehicles

(GE)

(BM)

(tech)

pencil

be required

chatters

clash

clutch

creeps

various

cause

DA form 2404

defects

depressed

determine

drag

when

malfunction

will

record

the following

vehicle

gears

gen. mech. toolkit

pedal

shifting

slip (v)

troubleshoot

wheeled

Sect VI

Task: 091-63B-1517 Inspect the power trains of wheeled vehicles

(GE)

(BM)

(tech)

defects

bent
broken

adjustment
applicable
assembly
axle

noise

defects

on

inspect

bearing

pencil

required

chattering
clutch
components

record

vehicle

the following

DA form 2404
determine

under

unusual

gears
gen. mech. toolkit

will be

in all ranges

jumping

leak
linkage
load
loose mounts

missing
mount bolts

operation
out of gear
overheating

pedal free travel
power train
propellor shaft

serviceability
shifting
slippage
slipping

TM
transfer
transmission

U-joints

wheeled
worn bearing

vibration

Sect V *011*

Task: ~~019~~-63B-1503 Repair and install a damaged cable assembly
(GE) (BM) (tech)

all	as required	cable
at, from		cable assembly
	broken	conduit
clean		connection terminal
cloth	inspect	connectors
		corrosion
dry	remove	crocus cloth
	repair	
normal	replace	damaged
or	pull off	fitting
position	wipe	gen. mech. toolkit
		grommets
remaining		
		install
with		insulating tape
		loose
		outer covering
		pin socket connector
		pin terminal
		reinstall
		resolder
		rubber solvent
		sandpaper
		soldering iron
		TB ORD
		TM
		2½ton truck
		wire

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Sect V

Task: 091-63B-1502 Remove and replace starter motor
(GE) (BM)

(tech)

three

oil
open

disconnect

remove
replace

electrical
engine cover
engine harness
extension tube

secure

flywheel housing
foot-pound

gen. mech. toolkit

install

motor
mounting bolts

oil dipstick
1¼ ton cargo truck
operation

removal
reversing

starter

torque
torque wrench

723

Sect V

Task: 091-63B-1501 Perform an alternator output test
(GE) (BM)

(tech)

engine	as required	alternator
from	connect	components
minutes	perform	disconnect
start	replace	evaluate
stop	test	gen. mech. toolkit
turn on		ground
		master switch
		multimeter
		note
		output
		RPM
		run engine
		sensing lead
		tachometer
		terminal
		voltage

Sect V

Task: 091-63B-1500 Perform a horn circuit voltage test
(GE) (BM)

(tech)

from

as required

B/E multimeter

must

connect
correctly

circuit
circuit voltage
continuity

two

test

disconnect

wire

evaluate

gen. mech. toolkit

horn

jumper cables

M151 series ¼ ton truck

set up
switch

test
TM

voltage

wiring

Sect V

Task: 091-63B-1499 Perform current limiter test on a generator regulator
(GE) (BM) (tech)

engine	as required	adapter ammeter
fast	connect	
start	perform	clockwise control counterclockwise current limiter
until	rotate	evaluate fully gen. mech. toolkit generator regulator idle knob load bank LVCT read set switch load bank test TM voltmeter

Sect V

Task: 091-63B-1497 Troubleshoot lighting system M151 ¼ ton
(GE) (BM)

(tech)

front

inspection

blackout lamp connector
voltage test

rear

perform

B/U multimeter

chasis harness

gen. mech. toolkit

lighting system
lighting switch

M151¼ ton truck

set up
service headlamp connector
service headlamp connector
voltage test
stoplight switch

trailer
troubleshoot

visual

Sect V

Task: 091-63B-1498 Perform voltage regulator test
(GE) (BM)

(tech)

engine

as required

adapter

fast

perform

ammeter

from

applicable

remove

connect

start

switch on/off

evaluate

gen. mech. toolkit

idle

load bank

LVCT

manual

regulator

regulator test

set

switch

tachometer

voltage

voltmeter

Sect V

Task: 09J-63B-1496 Troubleshoot directional signal system
(GE) (BM)

(tech)

must

perform

B/G multimeter

control unit

directional

evaluate

flasher operational test

lamp continuity test

set up
signal system

troubleshoot

utilize

wiring continuity test
wiring harness
wiring voltage test

Sect V

Task: 091-63B-1495 Troubleshoot battery-generator indicator gage^s
(GE) (BM) (tech)

check	check	battery
	connect	B/U multimeter
follow		
	remove	circuit
must		
	test	evaluate
normal		
required		gage
		generator
turn on		gen. mech. toolkit
		ground
		indicator
		ignition switch
		instrument panel
		normal
		¼ ton truck
		procedures
		set up
		TM
		troubleshoot
		voltage
		voltmeter
		wiring harness

Sect V

Task: 091-63B-1494 Perform generator load test, 25-ampere DC generator M151 ¼ ton
(GE) (BM) (tech)

check

connect

adapters

adjust

engine

inspection

battery

high

test

connect

make

drive belt

operate

field rheostat

start

generation

ground cable

idle

install

load

load bank

load switch

LVCT

mechanic's toolkit

¼ ton truck

polarize

switch on

visual

Sect V

Task: 091-638-1493 Troubleshoot windshield wiper circuit
(GE) (BM)

(tech)

check

inspection

B/U multimeter

perform

circuit

test

mechanical
motor connector

¼ ton truck

system

TM
troubleshoot

visual
voltage

windshield wiper

Sect V

Task: 091-63B-1492 Repair defective wire in vehicle wiring harness
(GE) (BM) (tech)

allow	defects	circuit
around		connector
	failure	
connect (v)		defective
cut	operate	determine
end	procedures	electrical repair bait
		expose
follow	repair	
		gage
in	safety	
	secure	improper
meet		installation
	standards	insulate
one		insuring
only	vehicle	
other		jumper wire
repeat		mechanic's toolkit
		tightly
so far as		TB
		TM
three		
		wire
without		wiring harness
		wrap

Sect V

Task: 091-63B-1490 Inspect the electrical system - wheeled vehicle
(GE) (BM) (tech)

broken	burned out	adjust
		applicable
clean	condition	arcing
correct		
	defects	battery
lights		broken
	identify	
must	in place	clamps
	inspect	components
no		connections
	operate	cover (n)
pencil		
	proper	DA form 2404
wire	properly	determine
		dry out
	switch	
	vehicle	electrical system
		fluid level
		frayed
		gage
		generator
		headlight
		holddown
		leak
		lens
		mounted
		readings
		seal (v)
		sending units
		serviceability of
		starter
		system
		tight
		vent cap
		wheeled

7

Sect V

Task: 091-63B-1491 Remove and replace the generator or alternator - wheeled vehicle
(GE) (BM) (tech)

above

procedures

adjust

adjusting arm bolt

from

remove

alternator

replace

applicable

test

belt

vehicle

drive belts

electrical lead

general mechanic
generator

install

mounting bolts

reversing

toolkit

unit

wheeled

Sect V

Task: 091-63B-1489 ¹¹¹ Suspect the batteries-wheeled vehicle
(GE) (BM)

(tech)

check

inspect
inspection

battery

each

vehicle
visual

cell
charge
corrosion
cracks

for
fully

make
must

gravity
hydrometer
loose
recheck
specific
terminals
wheeled

Sect V

Task: 091-63B-1488 Perform a load bank and field resistance test using low voltage circuit tester

(GE)	(BM)	(tech)
bath	connect	ammeter
between		applicable
black	extreme	
		clockwise
low	info	counterclockwise
	install	
perform		determine
	mechanic	
quickly		electrical system
	negative	electrical test system
red	observe	field resistance
turn off		field rheostat knob
turn on	place (v)	
	poistion	generator
using	positive	
	required	lead
	results	load
		load bank
		load switch
	test	LVCT
	vehicle	negative binding post
		100-ampere
		positive
		positive post voltmeter
		resistance
		rotate
		scale
		set
		test
		TM
		24 volt load bank post
		wiring harness

Sect V

Task: 091-63B-1487 Perform a DC current test using a low voltage circuit tester
(GE) (BM) (tech)

be expected	apply	adapter set
be made		ammeter binding post
black	correct	amperage
		apply
closest to	face (v)	
correct	form (v)	being
higher than	insure	circuit
		connection
low	negative	
		determine
no	positive	disconnect
	proper	
other		electrical system
	select	electrical test
perform	separate	
		lead
red	vehicle	leads
remove		low voltage circuit tester
		LVTC
test		
		meter
using		momentarily
where		observe
with		
		points
		positive
		power
		range
		reading
		scale
		squarcly
		terminal
		test lead
		25-amp

Sect V

Task: 091-63B-1486 Perform a DC voltage test using a low voltage circuit tester
(GE) (BM) (tech)

black	connect	applicable
correct	manual	DC voltage test
follow	mechanic	determine
low	negative	evaluate
must be	positive	ground
perform	procedures	low voltage circuit tester
proper	select	LVTC voltmeter
red		points
taken		post
test		scale
to be tested		system
using		toolkit
which		24/volt electrical
		voltage
		voltage range knob

Sect V

Task: 091-63R-1485 Perform a continuity test on a electrical circuit using a multimeter
(GE) (BM) (tech)

at	being tested	circuit
black	equipment	continuity test
both	identify	-DC
each	insure	electrical circuit
end	knob	function switch
follow	listed	hook up
more	obseve	IAC
must be		interpret
no	place (n)	jack
on	plug	lead
other	power	
	procedures	
	properly	
red		multimeter
three		ohms
there is		pointer
together		position (n)
turn		
touch		
until		range switch
using		readings
		Rx1
		wiring harness
		zero
		zeroed

608-1484 Perform a resistance test using a multimeter

(BM)

(tech)

being tested

black lead

information

circuit

insure

coil

component frame

place(v)

component terminal

switch

-DC

touch

evaluate

function switch

IAC jack

lead

meter

multimeter

negative

ohms

ohms jack

range selector switch

Rx1

reading

red lead

resistance

resistance test

resistor

scale

set

TM

voltage

zero (v)

Sect V Electrical System

Task: 091-63B-1485 AC voltage test using a multimeter
(GE) (BM)

(tech)

before
being
black

attach

caution

evaluation

either

in

information

made

observe

perform
place (v)

procedures

power off
properly

set
switch

red
right side

tested
turn off

using

with

AC
+AC jack
AC power source
AC voltage
AN/USM-223

black lead

colored lead

-DC
disconnecting

function switch

leads

meter
multimeter

needle reading

red lead

terminal
test
test leads
250-VAC jack

unit

Sect V Electrical System

Task: 091-63B-1482 Perform a DC voltage test using a multimeter
(GE) (BM) (tech)

left side

accurate

+AC jack
applicable

touch

evaluate

connections

using

ground

DC voltage
direct

negative

observe
obtain

50-VDC jack
function

positive
plug (v)

ground (v)

reduce
required

meter
multimeter

set (v)
stated in
switches

needle reading
negative lead

ohms-DC

positive lead

range setting
reading

switch settings
system

test point
24-volt system

Sect IV

Task: 091-63B-1471 Replace a defective tailpipe 1¼ M561
(GE) (BM)

(tech)

end

attach

bulkhead

from

position (v)

defective

remove

hanger

replace

inlet

through

muffler

1¼ ton truck

outer

outlet

scal

secure

slide

tailpipe

Sect IV

Task: 091-63B-1470 Remove a defective muffler 1¼ ton M 561
(GE) (BM)

(tech)

from

defective

remove

hanger

inlet

muffler

1¼ ton truck

outlet pipe

tailpipe

18

Sect IV

Task: 091-63B-1469 Remove and install air cleaner lines 1½ ton M561
(GE) (BM) (tech)

close

attach

air cleaner lines
air restriction indicator line

engine

secure

breather tube

remove

clamps
cover (n)
crankcase breather tube

fittings

holddown

install

1½ ton truck
toolkit

Sect IV

Task: 091-63B-1468 Remove and Install air cleaner element 1½ ton truck M561
(GE) (BM) (tech)

by	insert	air cleaner
close	secure	air cleaner shell
open		element
remove		engine truck
		filter element
		install
		loosening
		1½ ton truck
		tighten
		TM
		toolkit
		wing nut

Sect IV Air Induction and Exhaust

Task:

091-63B-1467 Remove, service repair and install an air cleaner

(GE)

(BM)

(tech)

air

mechanic

air cleaner

air intake tube

dry

components

holding

detergent

inspect

hardware

let

install

rain

procedure

remove

repair

replace

rinse

rain shield hood

removal

screw

service (v)

wash

TM, OS

water

toolkit

2½ ton truck

unserviceable

Sect III

Task: 091-63B-1456 Remove and (c) replace secondary fuel filter element 8ton M520
(GE) (BM) (tcch)

all	drain	8-ton truck
allow		element
clean		filter base
close		filter element
drain		inlet valve
dry		install
in		loosen
metal		reassemble
new		reverse order
oil		secondary full filter
		solvent
parts		thoroughly
remove		
replace		
stop		
top		

Sect III

Task: 091-63B-1455 Remove, service, and install primary fuel filter element 8ton truck M500
(GE) (BM) (tech)

all	assemble	case (n) cover (n)
clean		disassembly dry cleaning solvent
dry		
from		8ton truck
metal		filter components fuel filter element
part		install
remove		gasket
sew		loosen
		nut
		primary
		retainer retaining ring reverse order
		service solvent spring
		thoroughly TM, OS

Sect III

Task: 091-63R-1454 Replace fuel tank pump and fuse assembly

(GE)

(BM)

(tech)

adjust

new

removal

replace

cable connector

cable gasket

cargo truck

disconnect

fuel lines

fuel tank pump

fuse assembly

fuse block

fuse holder

install

OS

pump assembly

pump depth

reverse order

seal

terminal cables

TM

2½ ton cargo truck

Sect III

Task: 091-63B-1453 Inspect and replace engine fuel filters

(GE)

(BM)

(tech)

inspect

drain

accessory switch

remove

switch

bleed

replace

fuel filters

start

install

turn on

primary

secondary

reverse order

system

Sect III

Task: 091-63B-1452 Troubleshoot bosch fuel system 2½ton truck M35A2
(GE) (tech)

clean

check

or

replace

adjust

air suction

Bosch fuel system
breather

fuel lines

in-tank fuel pump

LDS-465 engine

OS

throttle control

TM

throubleshoot

valve control linkage
ventilation system

Sect III

Task: 091-63B-1451 Adjust engine stop cable ¼ ton truck M561
(GE) (BM)

		adjust
all	remove	clamp
between	secure	collar
end of engine		engine stop cable engine stop lever
touch		flush
until		loosen
with		1¼ ton truck position (v) run position slack stop cable throttle spring bracket

Sect III

Task 091-63B-1450 Adjust accelerator linkage 1½ ton truck M561
(GE) (tech)

front

accelerator linkage
adjust

cable
clamp

loosen

1½ ton truck

position (v)

tighten
throttle control arm
transmission

Sect III

Task: 091-63B-1449 Check fuel pump safety switch (oil pressure safety switch)
(GE) (BM) (tech)

check	as required	contact support
test	engine	disconnect
		fuel pump
		jumper wire
		maintenance
		male electrical connection
		oil level
		oil pressure
		replace
		safety switch
		switch

Sect III

Task 091-63B-1448 Remove and replace carburator M151 ¼ ton truck
(GE) (BM) (tech)

engine	mechanic's	adjust
remove	normal	ball joint socket
replace		carburator
start		choke control cable
temperature		disconnect
		fittings
		gasket
		install
		intake air hose
		mounting screw
		loosen
		¼ ton truck
		operating
		retracting spring
		reversing
		tach-dwell meter
		throttle
		toolkit
		torque wrench
		utility
		vacuum gage
		valve arm
		ventilation tube

Sect III

Task: 091-63B-1447 Adjust the idle and idle mixture on the carburator M151 series ¼ ton truck
(GM) (BM) (tech)

begins	adjust	adjust
bring	engine	bring engine
carefully	improper	carburator
smoothly	normal	electrical tachometer-dwell meter
temperature	operating	idle
touches	screw	idle adjusting screw
turn	vehicle	idle mixture
until		installation
		lag
		needle seat
		¼ton truck
		reads
		road test
		screw
		turn out
		vacuum gage

Sect III Fuel System

Task: 091-63B-1446 Adjust the choke, throttle, accelerator controls on the 1/2 ton truck M101
(GE) (BM) (tech)

defects	adjust	accelerator control air cleaner hose
inch	improper	
must	obtain	cable stop carburetor choke
operate	remove	choke control choke plate
under	screw	clearance closed
without	vehicle	fully opened
		installation
		loosen
		panel pedal pad pedal rod
		set
		threaded trunnion throttle throttle cable throttle control plate
		wide open throttle

APPENDIX 7

Appendix 7 is the machine-generated vocabulary list. It was not useful for our purposes. It is included as a vocabulary reference.

1	A-INES
42	ALL
4	ALLUM
1	ALLUV
1	ALING
1	ALMADEICAL
9	ALTERNATOR
1	ALUMINUM
1	AM/UST-223
1	AMERK
13	AMETER
12	AMERICAN
2	AMERICAN
22	AMERICAN
3	AMERICAN
1	AMERICAN
891	AMERICAN
2	AMERICAN
5	AMERICAN
1	AMERICAN
70	APPLICABLE
2	APPLIED
10	APPLY
2	APPROXIMATE
1	APP
1	AR
1	ARCHING
19	ARE
1	AREA
44	ARE
4	ARM'S
2	ARMY
2	ARMY
1	ARMY
1	ARMY
2	ARMY
89	AS
3	ASTOR
5	ASSEMBLE
5	ASSEMBLIES
62	ASSEMBLY
4	ASSIGNED
103	ASSISTANCE
24	AT
15	ATTACH
1	AUG

9	AU	TIC
29	AXI	
3	AXLES	
1	A16	
5	B	
11	B/I	
3	RACK	
1	RACKING	
2	PACKLASH	
2	EACKAND	
12	RAIL	
1	RAILS	
16	RAIL	
4	P	
1	P	
1	BAS	
2	BASIC	
6	FATTERIES	
4	FATTEN	
1	FATTEN-GENERATOR	
1	BATTERYGENERATOR	
23	RE	
15	FEAMING	
3	FEAMINGS	
4	FEEN	
2	SECURE	
1	PEROPERATIONS	
1	BEGIN	
1	BEGINNING	
2	BEGINS	
11	BEING	
1	BEILCHANK	
2	BELOUGS	
1	BELOK	
1	BELT	
4	BELTS	
1	BEIDS	
3	BENT	
11	BETAFEN	
4	BIDING	
8	BLACK	
1	BLACKOUT	
3	BLANK	
11	BLTED	
12	BLTHER	

3 CAR
 1 CARUPETED
 1 CAGE
 1 CAIHER
 2 CA
 1 CAITEEN
 1 CAIVAS
 6 CAF
 3 CAPABILITY
 1 CAPACITY
 3 CAPS
 1 PARSCREW
 2 CAMBNEY
 11 CAM
 1 CAM
 21 CARGO
 2 CARKIEN
 2 FACE
 2 CATEGORY
 4 CAUSE
 27 CAUSEU
 7 CAUSES
 1 CAUTION
 1 CELL
 2 CELEST
 15 CENTER
 1 CENTERED
 1 CHALL
 1 CHALLS
 1 CHALK
 1 CHAMBER
 2 CHANGES
 104 CHAP
 2 CHAPTER
 1 CHANGE
 1 CHASSIS
 2 CHATTERING
 1 CHATTERS
 38 CHECK
 1 CHECKS
 1 CHIPPED
 1 CHISEL
 1 CHISELS
 3 CHUCKS
 7 CHUNE

261

29	CIRCUIT
1	CIRCUITS
16	CLAMP
1	CLAMPING
9	CLAMPS
1	CLASH
26	CLASH
1	CLASHED
15	CLASHES
9	CLASHING
4	CLASHING
4	CLASHING
1	CLASHING
1	CLASHING
9	CLASHING
7	CLEVERNESS
1	CLICHÉ
1	CLICHÉS
2	CLICHÉ
2	CLIPBOARD
1	CLIPS
1	CLIP
6	CLIPWISE
8	CLIPSE
1	CLOSE
1	CLOSEST
1	CLOSE
3	CLOSE
10	CLOTH
18	CLOTHING
3	CLUTCH
3	CLUTCHES
1	CLUCK
6	CUL
9	CULLAR
1	CULLED
23	CULPIN
1	CULPINS
2	CULPATION
6	CUPPLE
4	CUPPLED
1	CUPPLET
3	CUPPLEMENT
20	CUPPLEMENTS
2	CUPPLES
5	CUPPLESS
2	CUPPLESSON

266

1 CR
1 CRITERIA
1 CRUCIS
2 CRUSS
1 CUP

3 CUPS
4 CURRENT
3 CUT
3 CUTTING
29 CYLINDER

3 CYLINDERS
4 CY
47 D
8 D
6 D

1 DATE
2 DATES
7 PC
1 DEC
1 DECREASE

1 DEFECT
9 DEFECTIVE
2 DEFECTS
1 DEFICIENCIES
1 DEFLECTOR

1 DEPARTMENT
1 DEPARTURE
1 DEPRESS
1 DEMESSED
1 DEPTH

1 DESCRIPTION
2 DESIRED
1 DESTINATION
1 DETECTED
2 DETERGENT

45 DETERMINE
1 DEVELOP
1 DEVELOPS
1 DEVICES
1 DIAL

1 DIFFEREL
1 DIFFERENCE
4 DIFFERENTIAL
1 DIFFSTICK
2 DIRECT

268

1	01	ION
2	1	DIRECTIONAL
1	2	DIRT
2	3	DISASSEMBLE
2	4	DISASSEMBLY
3	5	DISCARD
1	6	DISCHARGE
1	7	DISCONNECT
2	8	DISCONNECTING
2	9	DISSENGAGE
1	10	DISSENGAGE
1	11	DISPATCH
1	12	DISPATCH
1	13	DISPATCH
6	14	DISPATCH
3	15	DISPATCH
1	16	DISPATCH
1	17	DISPATCH
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1	97	DISPATCH
1	98	DISPATCH
1	99	DISPATCH
1	100	DISPATCH

2 EL IC
21 ELECTRICAL
18 ELEMENT
27 ENO
12 ENCS

5 ENGAGE
97 ENGINE
6 ENGINES
20 ENTER
2 ENTERED

2 ENTITIES
123 EQUIPMENT
1 EQUIPMENT
1 EQUIPMENT
1 EQUIPMENT

1 EQUIPMENT
297 EQUIPMENT
2 EQUIPMENT
8 ESC
1 ESULT

25 EVALUATE
1 EVALUATED
12 EVALUATION
1 EVENLY
1 EXAMINE

1 EXCESS
8 EXCESSIVE
1 EXCESSIVELY
8 EXHAUST
1 EXISTS

2 EXPECTED
2 EXPOSE
1 EXPOSED
2 EXTENSION
1 EXTREME

1 F
3 FACE
1 FACING
1 FAILS
142 FAILURE

3 FAI
1 FAULT-TO-PULLEY
1 FAF
2 FAST
3 FAULT

230

1	FAL
1	FER
2	FEELER
2	FEET
134	FIELD
1	FIG
1	FIGURE
2	FILL
1	FILLER
23	FILTER
6	FILTERS
2	FOLD
2	FOLDING
1	FOLDING
1	FOLDING
4	FITTING
4	FITTINGS
1	FIVE
5	FLANGE
2	FLANGED
1	FLASHER
3	FLAT
2	FLEXIBILITY
1	FLIGHTLIGHTS
1	FLIPK
1	FLOW
1	FLWS
13	FLUID
1	FLUSH
1	FLYWHEEL
106	FM
218	FULLCM
17	FULLMED
17	FULLPINK
1	FULLINS
1	FURT-PLUND
39	FUR
42	FURN
6	FURMS
1	FORWARD
1	FURTH
5	FRAME
1	FRAMES
1	FRAYED
13	FREE

271

121 PHIN
 37 PRINT
 29 TUFF
 2 FULL

 4 FULLY
 3 FUNCTION
 2 FUNCTIONAL
 7 FUSE
 1 GAY

 32 GAGE
 1 GAGES
 3 GAG
 1 GAG
 2 GAG

 14 GASKET
 2 GASKETS
 3 GASOLINE
 16 GEAR
 2 GEARS

 119 GENERAL
 15 GENERATOR
 2 GLASS
 1 GLOVES
 1 GU

 1 GUES
 1 GUVERNOR
 1 GRAVITY
 1 GREASE
 1 GREEN

 2 GRIMES
 1 GRINDER
 1 GRINDING
 1 GRINDERS
 1 GROSS

 31 GRUND
 2 GRUP
 4 GUARD
 1 GUIDE
 1 HALF

 2 HAMMER
 4 HAND
 6 HANDLE
 2 HANDLES
 3 HANGER

272

ILLUSTRATION

2
17
508

IN
IN-TANK
IN-THE

INCH
INCHES
INCLINE
INCLUDE
INDEX

INDICATE
INDICATOR
INDICATOR
INDICATOR
INDICATOR

INFUSION
INFLATE
INFLUENCE
INITIAL
INITIALS

INJURY
INLET
INLET
INSERT
INSERTED

INSIDE
INSPECT
INSPECTED
INSPECTION
INSPECTION-COVER

INSTALL
INSTALLATION
INSTALLED
INSTALLING
INSTANT

INSUFFICIENT
INSULATED
INSULATING
INSURE
INSURING

INTAKE
INTERMEDIATE
INTERPRET
INTU
INTRODUCTION

27

	INM	QRY
5	INM	
1	IS	
3	ISLATE	
4	ISSUE	
8	II	
12	IIM	
17	IIMS	
2	IIS	
2	IV	
1	IA	
95	JACK	
1	JACOR	
2	JALNLT	
6	JAN	
2	JANNI	
9	JANULT	
1	JAT	
2	JAT	
17	JAUT	
5	JUANTS	
10	JUPPER	
1	JURING	
2	JUST	
1	LEPA	
1	KEEPERS	
2	KEY	
13	KIKS	
1	FLY	
1	PIT/SET	
2	KITS	
1	MITS/SETS	
5	FMB	
1	FMBUS	
1	KNOCING	
19	PNICKLE	
1	PNICKLES	
1	L-SHAPED	
1	L/L-TUN	
1	JACK	
1	LAC	
3	LAI/P	
1	LUS-405	
27	LELD	
6	LEAUS	

11 LEAKING
1 LEAKS
18 LEATHER
3 LEAVE

3 LEAVES
4 LEFT
2 LE'S
1 LESSONS
1 LET

12 LEVEL
34 LIVER
5 LIVES
1 LIT
4 LIT

4 LIGHTING
3 LIGHTS
1 LIGHTS
2 LIGHTER
10 LIFE

17 LIES
4 LIVING
13 LIPK
21 LIRAGE
1 LIPS

1 LIET-FREE
2 LIST
124 LISTED
1 LISTING
1 LISTINGS

17 LU
24 LOAD
4 LOCATE
3 LOCATION
4 LUCK

6 LUCKY
2 LUCKY
2 LUCKS
4 LUCKWASHER
4 LUCKWASHERS

1 LUG
1 LUG-ICAL
1 LUGISTICAL
8 LURSE
24 LUCSEN

3 LUR ING
 6 LUR
 17 LURP
 2 LUR
 1 LURD
 1 LURICANT
 6 LURICANTS
 5 LURICATE
 1 LURILATED
 1 LURICATI
 26 LURCT
 1 LUR
 15 LUR
 7 LUR
 1 LUR
 17 MAINTENANCE
 2 MAJUP
 5 MAIE
 1 MAIFG
 1 MAIE
 11 PALFUNCTIONS
 2 PALLEI
 1 PALACHMENT
 13 PALIFULD
 2 PALIFULOS
 11 PALVAL
 1 PALVALS
 1 PAB
 2 PABK
 1 PABED
 1 PAKING
 3 PAKS
 11 PASTER
 1 PATERIAL
 3 PATERIALS
 1 MAXIMUM
 1 MAY
 1 MEASUREMENTS
 131 MEASURES
 119 MECHANICS
 2 MECHANICAL
 12 MEDIUM
 129 MEET
 14 MEIBEN
 1 MEIDR

277

1 0
1 HESA
2 METAL
1 METAL-TO-METAL
12 METEP

1 PROPOSITION
1 FILES
5 MINUTES
8 MINIM
3 MISSING

3 MIXTURE
1 CURRENTLY
2 H
1 H
9 H

4 HUNTING
6 HUNTING
17 HUNTING
4 HUNTS
6 HUN

1 MOVEMENT
1 MOVES
4 PUFFLER
1 MULTIPLE
25 MULTIMETER

1 UNSMOOTHED
33R MUST
2 M151
50 M151-SERIES
1 M151A1

5 M151A2
4 M35
2 M35A1
56 M35A2
6 M370

78 M361
2 M718A1
6 M609
24 M610
2 M675

1 H
2 HARE
2 NATIONAL
1 PEANEST
1 PEANLY

275

334	NA	JARY
3	REFUGEE	
9	NEGATIVE	
1	NEST	
7	NEUTRAL	
5	NEW	
15	NU	
130	NU-GC	
9	NU-GENERATING	
1	NUSE	
1	NUSES	
1	NUSECL	
9	NUSECL	
10	NUSECL	
6	NUSECL	
1	NUSECL	
1	NUSECL	
2	NUSECL	
4	NUSECL	
9	NUMBER	
3	NUMBERS	
21	NUY	
1	NUY/LOCK	
12	NUYS	
9	NUYSEVE	
4	NUYTH	
2	NUYTH	
5	NUYTH	
2	NUYTH	
175	NUYTH	
11	NUYTH	
4	NUYTH	
29	NUYTH	
1	NUYTH	
373	NUYTH	
10	NUYTH	
2	ONE-HALF	
1	ONE/TWO	
1	ONLY	
13	OPEN	
1	OPENED	
1	OPENABLE	
38	OPENATE	
3	OPENATES	
5	OPENATION	
19	OPENATION	

2	DPI	DUAL
2	OPERATIONS	
4	OPERATOR	
2	OPERATE	
195	OK	
4	OK	
5	PAPER	
1	EMERLY	
1	ENTRANCE	
2	INCAPITAL	DUAL
192		
6		
12		
15		
5		
1	OUTPUT	
7	OUTPUT	
1	OUTGIGGERS	
1	OUTWARD	
1	OVER	
1	OVERFLOW	
4	OVERHEATING	
1	OVERHEATS	
1	P	
1	PACK	
1	PAC	
1	PACS	
2	FAIL	
4	CAF	
1	PAPPHLET	
3	PAH	
4	PANEL	
7	PAPER	
3	PASA	
5	PARKING	
2	PART	
23	PAPTS	
26	PENAL	
16	PEICIL	
1	PEUANT	
1	PERCEPTIBLE	
62	PERFORM	
292	PERFORMANCE	
12	PERFORMED	
1	PERNITS	

1 PEBBCK

1

1 PIPE

1

43 PIP

43

2 PITCH

2

8 PHS

8

5 PIPE

5

1 PIPES

1

1 PISTON

1

13 PITMAN

13

26 PLACE

26

1 PLAM

1

5 PATER

5

1 PATER

1

2 PATER

2

12 PATER

12

8 PLINGS

8

1 PLINGERS

1

5 PUNT

5

2 PUNTER

2

3 PUNTS

3

1 PULARIZE

1

1 PULISHED

1

5 PUL

5

2 PULTS

2

30 POSITION

30

2 POSITIONING

2

10 POSITIVE

10

13 PUST

13

25 PUPER

25

2 PUPER-TAKEOFF

2

2 PPRECISION

2

2 PREPARE

2

2 PREPARING

2

5 PRESCRIBED

5

3 PRESENT

3

1 PRESERVING

1

1 PRESSED

1

26 PRESSURE

26

2 PREVENT

2

1 PREVIOUS

1

6 PRIMARY

6

2 PROCEDURE

2

209 PROCEDURES

209

127 PROGRAM/REFERENCE

127

1 PROGRAM/REFERENCE

1

5 PA ALER
14 PROPER
130 PROPERLY
1 PROPERLY UTILIZED
1 PROJECT

3 PROTECTIVE
2 PROVIDED

1 PSI
1 PUBLICATIONS
11 PULL

2 PULLED
4 PULLEN
1 PULLEY
1 PULL
1 PULL

23 PUMP
1 PUMPS
2 PUNCHES
3 PUSH
3 PUT

1 QUANTITIES
1 QUANT
1 OUTGO
1 F
9 RADIATOR

1 RAGS
1 RAIN
11 PAISE
10 PAIGE
3 PAGES

1 PAIK
1 RATED
125 RATING
1 REACHED
5 PELO

25 PEADING
7 PEADINGS
2 PEAS
17 PEAK
2 PEAKVIEW

1 REASSEMBLE
1 RECEIVE
1 REFESS
2 RECHECK
13 RECUPU

AD-A121 126

JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 63B WHEEL
VEHICLE MECHANIC..(U) DEFENSE LANGUAGE INST LACKLAND
AFB TX ENGLISH LANGUAGE CENTER.. 14 JAN 77

UNCLASSIFIED

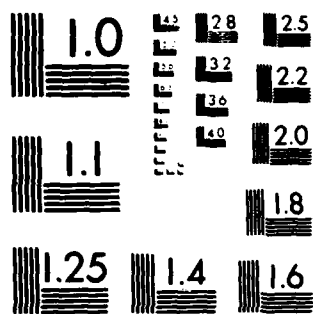
F/G 5/9

NL

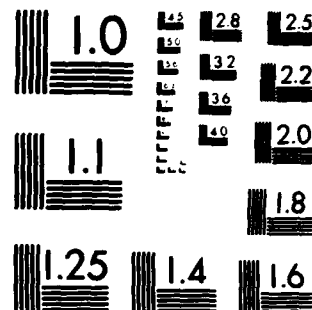
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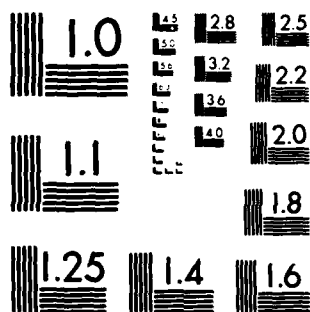
210



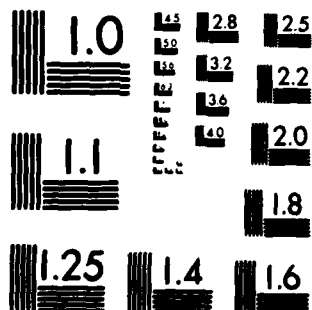
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



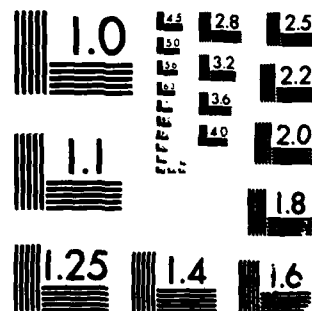
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

12 SB UN
35 SECURE
1 SECURELY
17 SECURING
1 SECURITY

2 SELECT
2 SELECTED
1 SELECTION
7 SELECTER
1 SEEDING

2 SEISING
2 SEIZING
5 SEIZURE
1 SEIZURES
1 SEIZURES

21 SERVICEABILITY
21 SERVICEABLE
5 SERVICEABLE
24 SET
2 SETS

3 SETSCREW
3 SETTING
1 SETTINGS
1 SETTING
1 SEVERAL
1 SEVERE

2 SHACKLE
4 SHACKLES
25 SHAFT
3 SHAFTS
1 SHF

6 SHARPEN
1 SHARPE
2 SHEAVES
4 SHELL
2 SHIELD

2 SHIFT
2 SHIFTING
1 SHIMS
30 SHOCK
1 SHOCKS

4 SHOE
4 SHOES
122 SHOP
2 SHOPS
1 SHIP

28

2 SMILING
 1 SMIT
 7 SILE
 1 SICH
 2 SIGNAL

 2 SIGNATURE
 128 SITUATION
 1 SIX
 3 SIZE
 1 SAID

 1 SILL
 1 SILE
 2 SILE
 4 SILE
 1 SILE

 1 SLIPAGE
 1 SLIPFING
 2 SLIPS
 1 SLIT
 4 SLIN

 1 SLOWLY
 1 SMOKE
 1 SMOOTH
 1 SMOOTHLY
 4 SU

 1 SUAK
 6 SUCKET
 2 SUFT
 1 SULDORING
 1 SULES

 11 SULVENT
 1 SUI
 2 SUINCE
 15 SPAN
 8 SPECIAL

 1 SPECIFIC
 1 SPECIL
 4 SPEED
 7 SPINCLE
 1 SPLINED

 1 SPINOY
 64 SPRING
 9 SPRINGS
 1 SUAPPLY
 1 SUHEALING

206

8
4
228
10
3

STANDARD
STANDARD
STANDARD
STANDARD

13
5
2
1
1

START
STARTER
STARTS
STATED
STAY

2
1
76
10

STEADY
STEP
STEP

1
13
2
6

STICKING
STICK
STICK
STIPPLE
STIPS

1
4
2
3
1

STORAGE
STIME
STIRRED
STIRRED
STIRRED

1
1
2
6
129

STIRRES
STRUCTURE
STUB
STUDY

1
1
1
1
3

SURCOUSE
SURCOUSES
SURMERGE
SUCCEEDING
SUCTION

1
1
8
1
1

SUDDENLY
SUFFICIENT
SUITABLE
SUPERVISOR
SUPPLY

4
1
1
2
1

SUPPLINT
SURE
SURFACE
SURGE
SURGES

17 SW ASION
30 SWITCH
1 SWITCHES
20 SYSTEM
20 SYSTEMS

1 T
3 TABLE
1 TACH-ONELL
5 TACHIMETER
1 TACHIMETER-ONELL

1 TACTICAL
1 TAP
4 TAP
1 TAP
8 TAP

1 TAP
4 TAP
2 TAP
1 TAP
2 TAP

4 TASKS
4 T6
11 TEAM
1 TEAMS
1 TEC

3 TECHNICAL
3 TEF
5 TEMPERATURE
8 TENSURE
9 TERMINAL

3 TERMINALS
307 TEST
161 TESTED
5 TESTER
5 TESTS

3 THAN
471 THAT
2 THE
1 THEN
1 THERE

7 THERMISTAT
324 THERSE
6 THIS
2 THIRTY
3 THREE

2 TM ADS
 2 THREE
 1 THREE-QUARTER
 14 THROATLE
 7 THROUGH

10 THRU
 22 TIF
 7 TIGHT
 12 TIGHTEN
 1 TIGHTLY

10 TIE
 1 TIES
 10 TIGER
 8 TIGER
 3 TIE

1 TITLED
 495 TM
 15 THIS
 490 TU
 11 TUF-IN

1 TOGETHER
 1 TOLD
 2 TON
 13 TON
 119 TONALIT

190 TURLS
 1 TURLSAND
 5 TURL
 2 TURN
 60 TUPQUE

1 TOTAL
 4 TUNCH
 1 TUNCHES
 1 TUNCHING
 1 TUNARDU

2 TUNED
 5 TUNER
 20 TRACTOR
 1 TRAILER
 1 TRAIL

1 TRADING
 6 TRANSFER
 1 TRANSFERS
 17 TRANSMISSION
 3 TRANSMISSIONS

289

18 TR
5 TR
21 TRUPLESHOOT
201 TRUCK
1 TRUMPION

11 TS
27 TUBE
3 TUBING
33 TUPN
5 TURNING

2 TENS
7 TUB
1 TUB
7 TUB
1 TUB

1 UNJOINED
2 UNCORRECTED
9 UNDEF
1 UNDEKSIDE
1 UNLUCK

5 UNIT
1 UNITS
11 UNIVERSAL
1 UNLUCK
2 UNSEVICEABLE

27 UNTIL
7 UNUSUAL
3 UNKIND
11 UP
14 UPPER

13 USE
1 USED
22 USING
15 UTILITY
109 UTILIZE

12 UTILIZED
2 V
9 VACUUM
12 VALVE
1 VAL

6 VARIOUS
139 VEHICLE
12 VEHICLES
2 VEIT
2 VENTILATION

258

1 CAL
10 VI
1 VIBRATION
1 VIBRATIONS
7 VII

3 VIII
3 VISE
1 VISIRLE
4 VISUAL
1 VULTAE

30 VULTAGE
14 VULTAGE
2 VULTAGE
1 VULTAGE
6 VULTAGE

1 W/CL
1 W/CL-3
1 W/CL
1 W/CL-3
3 W/CL

1 W/ELECTRICAL
1 W/LOS-465
1 W/SLING
2 W/24-VCLT
1 W/25-AMP

1 WALLS
1 WARM
1 WAS
1 WASH
11 WASHEN

4 WASHENS
11 WATER
1 WAY
1 WEAK
1 WEAK

1 WEATHER
1 WER
1 WERGE
1 WEDGES
1 WEIGHT

1 WEIDING
2 WEIDFENT
1 WELL
21 WHEEL
20 WHEELBO

291

11 WNE
1 WHEN
1 WNEKE
1 WNEPHER
7 WNECH

1 WHITE
1 WINE
291 WALL
29 WACH
1 WACHED

2 WACHES
2 WACHING
4 WACHING
3 WACHING
2 WACHING

1 WIFE
2 WIFE
14 WIFE
4 WIFE
10 WIFE

35 WITH
1 WITHIN
2 WITHIN
121 WITHOUT
1 WED

1 WUEK
1 WUEM
8 WUEM
1 WUEP
27 WUEPHER

31 WUECH
2 X
5 XI
5 XII
2 XIX

5 XV
3 XVII
2 XVII
1 XX
2 XXII

5 XXIII
5 XXIV
6 XXV
7 XXVI
1 XXVIII

292

9	XX	
2	XXII	
4	XXIII	
2	XXIV	
2	XXV	
10	YUIE	
1	YUIE/PROPELLER	
2	YUES	
405	YUI	
137	YUI R	
5	YUI	
1	YUI	
2	YUI	
1	YUI	

2.93

VER0421 END SORT
VER0521 INSERT 1454, DELETE 1454
VER1371 DATA BIAS = 00
VER1241 IRK OVER-ALLOC FACTOR= PRIM/USED=028
VER0541 KCU IN , DLT
VER1491 1PP'S APPLIED 1234
VER0521 END SYNCSENT UPT= P, THER0107/DUMP

294

UNICFUL1	012	00.	1016	FAST RETRIEVAL	DATA MANIPULATOR	PAGE NO	RECORD BYTES
UNICFUL1	012	00.	1016	FAST RETRIEVAL	DATA MANIPULATOR	PAGE NO	RECORD BYTES

100.000
90.000
80.000
70.000
60.000
50.000
40.000
30.000
20.000
10.000
0.000

RUSSIAN SYSTEM INI 12062

101-555511 (NY) 156-1101

11011-643

415-5-7.14 101

USN=IME, HQKD-CYT

USN=5Y5H0155,TU75939,RV00C,TMFE4C1D/,K00000665

206667-435

● 475

INPUT, INPUT

१७३७१

7215x78

454 U2 CUTPUI

30

3215x

363

333

133

SYSTEM WUTFUT

2347

3715X19

9

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3

1966.7 4115A5

12381

BLKS128

C

2

C

256

WORD FREQUENCY DISTRIBUTION
FREQUENCY/WORD

FREQUENCY/WORD

FREQUENCY/WORD

891	INC	587	TEST	249	A	308	IN
471	THE	449	TH	449	TO	405	YOL
373	IN	338	MUST	251	WILL	205	REPRIVE
267	EQUIPMENT	267	EQUIPMENT	250	STANDARDS	242	PERFORMANCE
241	TRUCK	224	RE	210	FOLLOW	195	CR
179	CF	150	PROPERLY	142	CS	141	TESTED
140	TEPLS	139	VEHICLE	137	YOUR	134	FIFLD
134	NECESSARY	132	FAILURE	132	S	121	CONDITIONS
121	HEADLINES	130	ABILITY	130	NO-GN	130	RESULT
124	LEFT	129	STUDY	128	SITUATION	127	PROGRAM/PERFEICE
127	SAFETY	125	PATING	124	LISHED	124	THESE
123	ENVIRONMENT	122	SHOP	121	FROM	121	VITHOUT
119	GENERAL	119	INSTALL	119	MECHANICS	119	TOLKITY
104	UTILIZE	106	FM	104	CHAP	103	ASSISTANCE
94	REPLACE	91	REQUIRED	91	SEC	89	AS
82	PERFORM	76	M201	77	BRAKE	76	STERRING
73	ADJUST	70	APPLICABLE	67	ENGINE	64	SPPING
62	ASSEMBLY	60	TURQUE	56	M3542	55	RY
55	1-1-1	53	AN	52	AIF	52	DEFECTS
51	IMPL	50	R51-SERIES	50	POSITION	50	SYSTEM
50	INTERED	47	CABLE	47	DA	47	RND
45	DETERMINE	45	JACK	44	ARM	42	ALL
42	DISCONNECT	42	FORM	41	INSPECT	40	ADJUSTMENT
39	CYLINDER	39	FOR	38	CHECK	38	CPMATE
37	FMONT	35	REPAIR	35	SECURE	34	CONNECT
34	LEVER	34	TURN	32	CONTROL	32	GAGE
32	REVERSING	31	WRENCH	30	IS	30	SHOCK
30	PTICH	30	VOLTAG	29	AXLE	29	CIPCLITY
29	FLFL	29	OIL	29	PUSER	28	COMPONENTS
27	JACK	27	CAUSED	27	END	27	LEAD
27	TURE	27	UNTIL	27	WRECKER	26	CLEAN
26	LVCI	26	PEDAL	26	PLACE	26	PTSSURE
25	EVALUATE	25	MULTIPLIER	25	READING	25	SCPEW
25	SHFT	24	AT	24	CORRECT	24	HYDRAULIC
24	LOAD	24	LUGEN	24	M816	24	SET
23	CULUM	24	FILLEN	23	PARTS	23	PII
23	FLIP	22	COVER	22	TIE	22	USING
21	CAPUT	21	ELECTRICAL	21	LINKAGE	21	RUT
21	SERVICE	21	SERVICEABILITY	21	TRUCKSHOOT	20	DRIM
20	ENTER	20	RENUVAL	20	SYSTEMS	20	TRACTOP
19	ART	19	TULER	19	KNUCKLE	19	OPFRATION
18	CLITCH	18	DRALIN	18	ELEMENT	18	LEAKS
18	SECURD	18	STOP	18	TRAVEL	17	FOLLOWED
17	LOSE	17	TIPNOPEM	17	INFORMATION	17	INSTALLATION
17	ITEMS	17	JOINT	17	LINES	17	LO
17	LOWER	17	MAINTENANCE	17	REAR	17	SECURING
17	SUSPENSION	17	TRANSMISSION	16	ADJUSTING	16	DARK
16	CULIS	16	CLAMP	16	GEAR	16	PENCIL
15	ATTACH	15	BEAKING	15	BRACKET	15	CENTER
15	PLANKER	15	EACH	15	GENERATOR	15	WAGE

29

WORD FREQ LIST - LO

FREQUENCY/MOD

FREQUENCY/MOD

WORD

JENCY DISTRIBUTION
FREQUENCY/MOD

DATE OF 1016 PAGE
FREQUENCY/MOD

0 CONNECTION
0 DAMAGED
0 ENGINES
0 FUEL
0 LEADS
0 MOUNTED
0 PLE
0 PLS
0 SECRET
0 TRANSFER
0 ZUC
0 ASSEMBLIES
0 SUPPRESSION
0 FREELY
0 MTR
0 MIFUTES
0 CHAKATING
0 LPE
0 PREDETERMINED
0 REVISED
0 SCREENS
0 STARTER
0 TESTS
0 TURNING
0 XV
0 XC
0 AHEAD
0 ASSIGNED
0 BELLS
0 BARKING
0 CLEARANCE
0 CEMENT
0 CITREH
0 LAPD
0 IGNITION
0 INTU
0 LIGHT
0 LOCKWASHER
0 MUFFLER
0 PMS
0 PAF
0 REPEAT
0 SECURITY
0 SMPS
0 SPEED
0 TALEN
0 TULCH
0 VICES
0 ACCURANCE
0 ASIDE

0 CONTINUITY
0 DISTRIBUTOR
0 FILLEMS
0 HUB
0 LUGNUT
0 MUVE
0 OTHER
0 RUBBER
0 SIGNS
0 VARIOUS
0 ALIGN
0 B
0 ENGAGE
0 LIFT
0 HISIAR
0 ORDER
0 PLATE
0 PROPELLER
0 REMOVING
0 SEALS
0 TACHOMETER
0 TUP
0 UNIT
0 XXII
0 ACTION
0 AIR-HYDRAULIC
0 BAR
0 RINGING
0 BUSHING
0 COMPLETED
0 D
0 FITTING
0 HAS
0 II
0 ISSUE
0 LINING
0 LOCKWASHERS
0 P35
0 OPERATOR
0 PANEL
0 RETAINER
0 SHAKLES
0 SLIDE
0 STANDARD
0 TAPE
0 VISUAL
0 XXIII
0 ALIGNMENT
0 AXLES

0 COOLING
0 DRY
0 FITTINGS
0 INSERT
0 LOW
0 P520
0 PRIMARY
0 SCALF
0 STUO
0 W/BI
0 ANY
0 BREAKER
0 FLANGE
0 INVENTORY
0 LUBRICATE
0 NEW
0 OUTLET
0 POINT
0 READ
0 RESERVOIR
0 SEPARATE
0 TEMPERATURE
0 TONER
0 XI
0 XXIV
0 ADAPTEPS
0 ALLOW
0 BATTERY
0 BOLT
0 CAUSE
0 CONNECTING
0 DIFFERENTIAL
0 FULLY
0 HAVE
0 INDIVIDUAL
0 LEFT
0 LOCATE
0 MOUNT
0 NSH
0 CKO
0 PULLER
0 REVERSE
0 SHELL
0 SLOW
0 STORE
0 TASKS
0 WASHERS
0 +AC
0 ALINE
0 BACK

0 COUNTERCLOCKWISE
0 DMFL
0 FOPMS
0 JACKS
0 MACH
0 REPLACEMENT
0 SHARPEN
0 THIS
0 XXV
0 ASSEMBLE
0 BREAKER
0 FRAME
0 JOINTS
0 PAVE
0 ODMETER
0 PARKING
0 PGL
0 RECIPROV
0 RIGHT
0 SERVICEABLE
0 TESTER
0 TRIP
0 XII
0 ZEPH
0 AFTER
0 APPS
0 BEFN
0 BRACKETS
0 CLAP
0 CREW
0 E
0 GLARD
0 HOLDING
0 INTERMEDIATE
0 LIFTING
0 LOCK
0 POINTS
0 OBTAIN
0 OVERHEATING
0 RELATER
0 RU
0 SHCE
0 SD
0 SUPPORT
0 TR
0 VIND
0 A-FRAME
0 AN/USM-223
0 BACKWARD

29

3	BEAKINGS	3	BLANK	3	BUTTON	3	BRACKETS
3	BUBBLES	3	CABLES	3	CAPABILITY	3	CAPS
3	CEMENT	3	CHOKES	3	CLOTH	3	CLITCHES
3	COMPONENT	3	CUNES	3	CONSOLE	3	CONFLANT
3	CORROSION	3	CUPS	3	CUT	3	CUTTING
3	CYLIINDERS	3	DISASSEMBLY	3	DISCARD	3	DISSENGAGE
3	FLYICER	3	FUGHS	3	ENTRIES	3	FACE
3	FAP	3	FAULT	3	FLAT	3	FLECTION
3	FAP	3	GASOLINE	3	FANGER	3	FANGERS
3	LEAD	3	HOLD	3	FOLE	3	HOLING
3	ILLUSTRATION	3	INDICATOR	3	INTERPRET	3	ITS
3	LAMP	3	LEAVE	3	LEAVES	3	LIGHTING
3	LOCATION	3	LUNEMING	3	LUBE	3	MAPKS
3	LATEPILES	3	MISDING	3	MIXTURE	3	REFULE
3	LIBRMS	3	OPERATES	3	CPPOSITE	3	PAL
3	POINTS	3	PREPARE	3	PRESENT	3	PAL
3	PROFECTIVE	3	PROVIDED	3	PUSH	3	PAL
3	PARAPHS	3	REFERENCE	3	RETAINING	3	REUSSTAT
3	PH	3	RUHS	3	SADDLE	3	SETSCRM
3	SETTING	3	SHATS	3	SIZE	3	STAN
3	STICK	3	STRAIGHT	3	SUCTION	3	TABLE
3	TECHNICAL	3	TEE	3	TERMINALS	3	THREADD
3	TYPES	3	TRANSMISSIONS	3	TUBING	3	UNKIND
3	VET	3	VISE	3	W/C2	3	WIDSHIELD
3	VIFER	2	ABLE	2	ACCESS	2	ACCIDENTAL
3	ADJUSTMENTS	2	APPOINT	2	ARMY	2	ANTIFER
2	APPLIED	2	APPROXIMATE	2	BASIC	2	ARMUND
2	ARMON	2	BACKLASH	2	BUSCH	2	REFIRE
2	BEGINS	2	BEELINGS	2	CASE	2	BRACKEDUPS
2	CAJ	2	CARDPULSED	2	CHATTERING	2	CATEGOPY
2	CHANGES	2	CHAMPER	2	COMPRESSED	2	CLIP
2	CLIPBOARD	2	COMPANION	2	CONTROLS	2	COMPRESSOR
2	CURTIAL	2	CUNTAINDER	2	CRACKS	2	COVERING
2	COVERS	2	CRACKED	2	CROSS	2	CRANE
2	CHAMK	2	CREEPS	2	DIRECT	2	DATES
2	DESIGNED	2	DETERGENT	2	DRIETS	2	DICTIONAL
2	DISCONNECTING	2	DRAYS	2	ELECTRIC	2	DRYCLEANING
2	FUSI	2	ELBON	2	EXPOSE	2	ENTERER
2	FRECY	2	EXPECTED	2	FEET	2	EXTENSION
2	FASI	2	FEELER	2	FLANGED	2	FILL
2	FIDU	2	FIREWALL	2	GARRISON	2	FLEXIBILITY
2	FULL	2	FUNCTIONAL	2	GARRISON	2	GASKETS
2	PEAKS	2	GLASS	2	GRIMES	2	GROUP
2	PAHHEM	2	HANDLES	2	HEADLAMP	2	HELPER
2	FLIGH	2	HILLDOWN	2	INITIAL	2	INCH
2	INCLINE	2	INDEX	2	INSUFFICIENT	2	INJURY
2	INSERTED	2	INSPECTED	2	JANNUIT	2	INSUFFICIENT
2	IV	2	JACKET	2	KITS	2	JAP
2	JUST	2	KEY	2	LUCKNOTS	2	LENS
2	LIFTER	2	LIST	2		2	LOCKS

FREQUENCY/WORD

FREQUENCY/WORD

FREQUENCY/WORD

1 PALE	1 MANAGEMENT	1 MANUALS	1 MAP
1 PARKED	1 MARKING	1 MATERIAL	1 MAXIMUM
1 PAST	1 MEASUREMENTS	1 MEMBER	1 MEANED
1 PESS	1 METAL-TU-MEIAL	1 MIDPOSITION	1 MILES
1 IDENTIFIABLY	1 MURNING	1 MOVEMENT	1 MOVES
1 MULTIPLE	1 MUSHROOMED	1 MISIAL	1 N
1 FEARNEST	1 HEARLY	1 NEST	1 NO-GRATING
1 CLOSIS	1 HUNGCLATURE	1 NGUN	1 PUT/LOCK
1 TILCAN	1 DRETHMO	1 ONLY	1 OPENED
1 APPHABLE	1 PROPERLY	1 CRDNAME	1 OUTLINED
1 PUTKINGERS	1 OUTWARD	1 CVER	1 CVERFLW
1 TVERKEATS	1 P	1 PACK	1 PAC
1 PARS	1 PAMPHLET	1 PENDANT	1 PERCEPTIF
1 PERMITS	1 PETLOCK	1 PIECE	1 PIPPS
1 FISHIN	1 PLAN	1 PLAY	1 FLINGEPS
1 TULAPIZE	1 POLISHED	1 PRESERVING	1 PRESSES
1 PAFVILLS	1 PROGRAM/REFERENCE	1 PROPERLYUTILIZED	1 PRACTICE
1 TS	1 PUBLICATIONS	1 PULLY	1 PULLING
1 TULLS	1 PUMPS	1 QUANTITIES	1 CLARK
1 CUTKLY	1 R	1 RAGS	1 FAIN
1 PARK	1 RATED	1 REACHED	1 FEASIBLE
1 RECEIVE	1 RECESS	1 RECOVERED	1 REFUGE
1 REFILL	1 REFLECTING	1 REGISTERS	1 RELEASED
1 RELEASES	1 REMINDER	1 REMAINING	1 REMARKS
1 REFUTE	1 REPLACED	1 REPORT	1 RESOLDR
1 RE-ATERS	1 RETRACTING	1 RING	1 RIISE
1 RIVETS	1 ROLLS	1 ROOM	1 ROTTED
1 PUNTING	1 RUST	1 RXL	1 SACS
1 SAFE	1 SANDPAPER	1 SATISFACTORY	1 SCRAPPIVEPS
1 SECURITY	1 SECURITY	1 SELECTION	1 SENDING
1 SECURFACE	1 SERIAL	1 SETTINGS	1 SEVERAI
1 SEVEKE	1 SHE	1 SHEAVE	1 SHIMS
1 SHOCKS	1 SHM	1 SHUT	1 SIGN
1 SIX	1 SKID	1 SKILL	1 SLACK
1 SLINGER	1 SLIPPAGE	1 SLIPPING	1 SLIT
1 SLIMLY	1 SMOKE	1 SMOOTH	1 SMOOTHLY
1 SLAN	1 SOLVENTING	1 SULES	1 SOP
1 SPECIFIC	1 SPECIL	1 SPLINED	1 SPENCY
1 SQUARELY	1 SQUEALING	1 STATED	1 STAY
1 STEEP	1 STICKING	1 STORAGE	1 STIPPED
1 STICKES	1 STRUCTURE	1 SUBCOURSE	1 SUPCOURSFS
1 SUMMERGE	1 SUCCEEDING	1 SUDDENLY	1 SUFFICIENT
1 SUPERVISOR	1 SUPPLY	1 SURE	1 SURFACE
1 SUPPES	1 SWITCHES	1 T	1 TACH-DIFLL
1 TACHMETER-DWELL	1 TECHNICAL	1 TAMMS	1 TANKS
1 TAPPING	1 TEARS	1 TEC	1 THERE
1 TAPPE-CLATER	1 TIGHTLY	1 TIMES	1 TITLED
1 TUGLTFER	1 TLU	1 TOOLSAND	1 TOTAL
1 TULCHES	1 TOUCHING	1 TOWARD	1 TRAILER
1 TRAP	1 TRAINING	1 TRANSFERS	1 TRAINING

303

DATE AC
FREQUENCY/PL

ENCY DISTRIBUTION
FREQUENCY/MORL

FREQUENCY/MORD

FREQUENCY/MORD

1 UNDEPTOF
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1 W/CL
1 W/ELECTRICAL
1 WALLS
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1 WEP
1 WELDING
1 WHITF
1 WITHDRAW
1 WRAP
1 YOPE/PROPELLER

1 U-JOINTS
1 UNLOCK
1 VIKRATION
1 W/ADAPTERS
1 W/CL-5
1 W/25-AIP
1 WASH
1 WEATHER
1 WEIGHT
1 WETHER
1 WIPE
1 WORM
1 XAVIII

1 U-JOINT
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1 VERTICAL
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1 WPEKE
1 WINKED
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1 WISALE
1 W/CL-5
1 W/LUS-405
1 WAP
1 WEP
1 WEDGE
1 WEL
1 WIFE
1 WIRD
1 XVTI

304

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Skill 2

444 RECORDS

150 UNIQUE ITEMS

DISTRIBUTION

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1 CUI
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4 COMPLIANCE
3 COMPOSITIONS

1 CUI-JUNCTION
1 CUI-TAILED
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1 RATES
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2 REPAIRS
3 DESCRIBE

1 DOCUMENT
3 EACH
4 ENTRIES
4 EQUIPMENT
1 FASEN

2 EVALUATION
1 EXPLSIN
3 FAILURE
2 FIGURE
3 FM

ALPHA LIST

11/56

305

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1	PARTS
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6	PERMANENT
3	PERMANENT
3	PERMANENT
1	PLACE
1	POL
1	PUSSTIBLE
1	PRIORITY
2	PROGRAM/REFERENCE
1	PUBLISHED
1	QUANTITY
1	QUARTERLY
3	RECUPU
1	REFERRING
1	REGISTER
3	REPAIR
1	REPL
1	REQUESTING
1	RECURSED
2	RESULT
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2	SECTION
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3	WELL-LIGHTED
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302

VER0491 END SORT
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VER0491 ILNAPRINC SORT PERFORMED
VER0491 KCU IN
VER0491 TPI'S APPLIED 1234
VER0491 END SYNCSENT DPTA P, THER0207/DUMP

309.

WORD FREQUENCY DISTRIBUTION
FREQUENCY/WORD

FREQUENCY/WORD

20 THE	19 IN	18 AND	17 OF
19 PA	18 TEST	17 CH	16 TO
18 INC	17 WILL	16 BE	15 FOR
17 EQUIPMENT	16 PERFORMANCE	15 YOU	14 AR
16 EACH	15 MUST	14 COMPLIANCE	13 ACCUMPLISHED
15 APPLICABLE	14 COMPLETE	13 IDENTIFICATION	12 ENTRIES
14 FORM	13 IDENTIFY	12 WITH	11 PAM
13 TIME	12 AN	11 AS	10 ABILITY
12 ACCORDANCE	11 DESCRIBE	10 EVALUATION	9 CLASSROOM
11 CONDITIONS	10 FORMS	9 INSTRUCTIONS	8 FAILURE
10 PM	9 NECESSARY	8 NO-GO	7 MEASURES
9 FEET	8 PERFORMED	7 PERIODS	6 PROGRAM/PREFERENCE
8 NUMBER	7 REPAIR	6 RESULT	5 SITUATION
7 SECURED	6 STANDARDS	5 STORY	4 TESTED
6 STANDARD	5 TYPES	4 VENTILATED	3 WELL-LIGHTED
5 THIS	4 ALL	3 ARE	2 DEMAND
4 VOICE	3 FIGURE	2 FROM	1 III
3 TERMS	2 THEN	2 LATER	2 PLURAL
2 ISSUE	2 OUTLINED	2 PAGE	2 CAPER
2 MARCHES	2 PENCIL	2 SECTION	2 THAN
2 THAT	2 THREE	2 TRUCK	2 TRUCKS
2 URGENT	2 WORK	1 ACTIONS	1 APPLIER
1 APPROPRIATE	1 BEEN	1 BUT	1 BY
1 CHAP	1 COLUMN	1 COMPLETED	1 CONJUNCTION
1 CONTAINED	1 CURRENT	1 DATE	1 DATES
1 DEPEND	1 DOCUMENT	1 ERASER	1 EXPLAIN
1 FOLLOWS	1 HAS	1 IMMEDIATELY	1 IMPER
1 ITEMS	1 LESSON	1 LIMITED	1 LIFE
1 LISTING	1 LOOK	1 MAINTENANCE	1 PAY
1 LOGICIFICATIONS	1 MATHS	1 MAINTENANCE	1 NONE
1 NORMAL	1 NORMALLY	1 NSK	1 NUMBERS
1 OFFICIAL	1 OTHER	1 PARA	1 PARTIALLY
1 PARTS	1 PIECE	1 PLL	1 POSSIBLE
1 PRIORITY	1 PUBLISHED	1 QUANTITY	1 QUARTERLY
1 REFERRING	1 REGISTER	1 REPL	1 REQUESTING
1 RECEIVED	1 SIGN	1 SPECIFIED	1 SUPPLY
1 TEC	1 THEIR	1 TYPE	1 UNIT
1 UNTIL	1 USE	1 USING	1 UTILITY

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WORD FREQUENCY LIST / 11-12-66

APPENDIX 8

ENGLISH LANGUAGE STRUCTURES AND LEXICON

The following list is included as an addition to the structural and lexical list. These structures and lexical items are very basic.
(See Section II for discussion.)

LIST OF LEXICAL AND STRUCTURAL ITEMS FOR ENGLISH LANGUAGE STRUCTURES

Sentences:

A. Declarative	statement
B. Interrogative	question
	1. wh- questions
	2. tag questions
	3. yes/no questions
C. Imperative	command, polite request
D. Exclamatory	exclamation

Sentence Complexity:

A. Simple	one full subject and predicate
B. Compound	two or more independent clauses joined by:
	1. punctuation
	2. punctuation and conjunctive adverb
	3. coordinate conjunction
C. Complex	one or more dependent clauses and an independent clause
D. Compound-Complex	two or more independent clauses and one or more dependent clauses

Verbs:

A. Concord	subject-verb agreement
B. Transitive	takes an object
C. Intransitive	doesn't take an object
D. Copula	to be
E. Linking	connectors
F. Auxiliaries of tense	will, do, did
G. Auxiliaries of modality	should, ought to, must to, have to, have got to, able to, can, may, might, could, would
H. Tense	present, past
I. Aspect	perfect, progressive

Verbal Forms:

A. Present Participle	active voice
B. Past Participle	passive voice

Voice:

A. Active	subject does action
B. Passive	subject does not do action
1. agent expressed	
2. agent not expressed	

Prepositions:

A. Simple

1. place	on, in
2. time	in, at, on
3. direction/motion	to
4. manner/agent/ instrument	by, with
5. measurement/ number amount	of

B. Compound:

according to, because of, by means

Vocabulary:

words from 1100 through 2400 -
Elementary and Intermediate Phase of General
English materials

Special Expressions/Idioms

"knock it off" "can it, buddy"

Verb Combinations

two word verbs