

TECHNICAL MANUAL

AVIATION UNIT AND INTERMEDIATE
MAINTENANCE

GAS TURBINE ENGINE
(AUXILIARY POWER UNIT-APU)

MODEL T-62T-40-1

PART NUMBERS 116305-100
AND 116305-200

NSN 2835-01-083-9978 AND
2835-01-166-9129

This copy is a reprint which includes current
pages from Changes 1 through 5.

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Aviation Unit and Intermediate Maintenance
Gas Turbine Engine
(Auxiliary Power Unit - APU)
Model T-62T-40-1
Part Numbers 116305-100, 116305-200,
116305-201, 116305-300 and 116305-302
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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to Commander, US Army Aviation and Troop Command. ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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HOW TO USE THIS MANUAL viii

CHAPTER	1.	INTRODUCTION AND ENGINE - GENERAL	
Section	I	General Information	1-1
Section	II	Equipment Description	1- 1
Section	III	Principle of Operation	1-2
Section	IV	Repair Parts; Special Tools, Measurement and	1-5
		Diagnostic Equipment (TMDE); and Support Equipment	1-15
Section	V	Service Upon Request	1-16
Section	VI	Hoisting	1-26
Section	VII	Troubleshooting	1-27
Section	VIII	Servicing	1-28
Section	IX	Preventive Maintenance Checks and Services	1-34
Section	X	Maintenance Procedures	1-35
Section	XI	Preparation for Storage or Shipment	1-39

	Page
CHAPTER 2 MAINTENANCE	2-1
Engine General	
Air Screen Assembly	
Task 2-1. Remove Air Screen Assembly	2-2
Task 2-2. Clean and Inspect Air Screen Assembly	2-4
Task 2-3. Repair Air Screen Assembly	2-6
Task 2-4. Install Air Screen Assembly	2-7
Compressor Section	
Compressor Rotor	
Task 2-5. Inspect Compressor Rotor	2-9
External Lines and Fittings	
Task 2-6. Clean and Inspect External Lines	2-13
and Fittings	
Task 2-7. Remove External Lines and Fittings	2-16
Task 2-8. Install External Lines and Fittings	2-19
Start Bypass Valve	
Task 2-9. Clean and Inspect Start Bypass Valve	2-22
Task 2-10. Remove Start Bypass Valve	2-23
Task 2-11. Install Start Bypass Valve.	2-24
Combustor Section	
Combustor Assembly	
Task 2-12. Inspect Combustor Assembly	2-25
Task 2-13. Remove Combustor Section	2-26
Task 2-14. Disassemble Combustor Assembly	2-30
Task 2-15. Clean and Inspect Combustor Housing	2-31
Task 2-16. Clean and Inspect Combustor Liner	2-33
Task 2-17. Repair Combustor Liner	2-35
Task 2-18. Repair Combustor Housing	2-38
Task 2-19. Assemble Combustor Assembly	2-40
Task 2-20. Install Combustor Section	2-42
Turbine Assembly	
Task 2-21. Inspect Turbine Wheel	2-45
Task 2-22. Clean and Inspect Turbine Air Inlet	2-47
Housing	
Task 2-23. Repair Turbine Air Inlet	2-49
Housing	

CHAPTER 2 MAINTENANCE (Continued)

Fuel System

Start Fuel Nozzle Holder Assembly

Task 2-24.	Remove Start Fuel Nozzle Holder	2-50
	Assembly	
Task 2-25.	Clean and Inspect Start Fuel Nozzle	2-52
	Holder Assembly	
Task 2-26.	Service Start Fuel Nozzle Holder	2-54
	Assembly (Adjustable)	
Task 2-27.	Install Start Fuel Nozzle Holder	2-55
	Assembly	

Purge Valve Assembly

Task 2-28.	Remove Purge Valve Assembly	2-56
Task 2-29.	Clean and Inspect Purge Valve Assembly .	2-58
Task 2-30.	Install Purge Valve Assembly	2-60

Compressor Fitting Assembly

Task 2-31.	Remove Compressor Fitting Assembly	2-61
Task 2-32.	Clean and Inspect Compressor Fitting . . .	2-63
	Assembly	
Task 2-33.	Install Compressor Fitting Assembly	2-65

Restrictor

Task 2-34.	Remove Restrictor	2-67
Task 2-35.	Clean and Inspect Restrictor	2-69
Task 2-36.	Install Restrictor Assembly	2-71

Tee Fitting Bracket Assembly

Task 2-37.	Remove Tee Fitting Bracket Assembly	2-72
Task 2-38.	Clean and Inspect Tee Fitting	2-74
	Bracket Assembly	
Task 2-39.	Install Tee Fitting Bracket Assembly . . .	2-76

Compressor Fitting Assembly

Task 2-40.	Remove Compressor Fitting Assembly	2-77
Task 2-41.	Clean and Inspect Compressor Fitting . . .	2-79
	Assembly	
Task 2-42.	Install Compressor Fitting Assembly	2-81

CHAPTER 2 MAINTENANCE (Continued)

Fuel Cover Assembly

Task 2-43.	Remove Fuel Cover Assembly	2-83
Task 2-44.	Clean and Inspect Fuel Cover Assembly . .	2-84
Task 2-45.	Repair Fuel Cover Assembly.	2-86
Task 2-46.	Install Fuel Cover Assembly	2-88

Fuel Drain Check Valve Assembly

Task 2-47.	Remove Fuel Drain Check Valve Assembly .	2-89
Task 2-48.	Clean and Inspect Fuel Drain Check	2-90
	Valve Assembly	
Task 2-49.	Install Fuel Drain Check Valve	2-92
	Assembly	

Fuel Control

Task 2-50.	Inspect Fuel Control	2-94
Task 2-51.	Remove Fuel Control	2-96
Task 2-52.	Disassemble Fuel Control	2-99
Task 2-53.	Clean and Inspect Acceleration	2-101
	Control Unit	
Task 2-54.	Service Fuel Pump Filter	2-103
Task 2-55.	Clean and Inspect Fuel Pump	2-105
Task 2-56.	Assemble Fuel Control	2-107
Task 2-57.	Install Fuel Control	2-109

Fuel Inlet Filter

Task 2-58.	Remove Fuel Inlet Filter	2-111
Task 2-59.	Install Fuel Inlet Filter	2-113

Fuel Manifold Assembly

Task 2-60.	Remove Fuel Manifold Assembly.	2-115
Task 2-61.	Clean and Inspect Fuel Manifold.	2-116
	Assembly	
Task 2-62.	Install Fuel Manifold Assembly	2-118

Main Fuel Solenoid Valve

Task 2-63.	Remove Main Fuel Solenoid Valve	2-120
Task 2-64.	Install Main Fuel Solenoid Valve	2-122

Max and Start Fuel Solenoid Valves

Task 2-65.	Remove Max and Start Fuel Solenoid	2-124
	Valves	
Task 2-66.	Install Max and Start Fuel Solenoid	2-126
	Valves	

CHAPTER 2 MAINTENANCE

Base assembly

Task 2-67.	Remove Base Assembly.	2-128
Task 2-68.	Clean and Inspect Base Assembly	2-130
Task 2-69.	Repair Base Assembly.	2-132
Task 2-70.	Install Base Assembly	2-134

Electrical assembly

Ignition Exciter

Task 2-71.	Remove Ignition Exciter	2-136
Task 2-72.	Repair Ignition Exciter	2-138
Task 2-73.	Clean and Inspect Ignition Exciter	2-139
Task 2-74.	Install Ignition Exciter.	2-140

Ignition Cable

Task 2-75.	Remove Ignition Cable.	2-142
Task 2-76.	Install Ignition Cable	2-144
Task 2-77.	Remove Igniter Plug	2-145
Task 2-78.	Clean and Inspect Igniter Plug	2-146
Task 2-79.	Install Igniter Plug	2-147

Engine Electrical Harness Assembly

Task 2-80.	Inspect Engine Electrical Harness Assembly.	2-148
Task 2-81.	Remove Engine Electrical Harness Assembly.	2-150
Task 2-82.	Install Engine Electrical Harness Assembly.	2-152

Meter Assembly

Task 2-82.1	Remove Meter Assembly	2-154.1
Task 2-82.2	Install Meter Assembly	2-154.2
Task 2-82.3	Clean and Inspect Meter Assembly	2-154.3

Magnetic Pickup

Task 2-83.	Remove Magnetic Pickup	2-155
Task 2-84.	Install Magnetic Pickup	2-156

Low Oil Pressure Switch

Task 2-85.	Remove Low Oil Pressure Switch	2-158
Task 2-86.	Install Low Oil Pressure Switch	2-159

High Oil Temperature Switch

Task 2-87.	Remove High Oil Temperature Switch	2-161
Task 2-88.	Install High Oil Temperature Switch	2-163

CHAPTER 2 MAINTENANCE (Continued)

Oil System

Oil Filter and Bypass Valve

Task 2-89.	Remove Oil Filter and Bypass Valve	2-165
Task 2-90.	Clean and Inspect Filter Bypass Valve	2-166
Task 2-91.	Install Oil Filter and Bypass Valve	2-168

Oil Sight Gage

Task 2-92.	Remove Oil Sight Gage	2-169
Task 2-93.	Clean and Inspect Oil Sight Gage	2-170
Task 2-94.	Install Oil Sight Gage	2-172

Magnetic Drain Plug and Valve

Task 2-95.	Remove Magnetic Drain Plug and Valve	2-173
Task 2-96.	Clean and Inspect Magnetic Drain Plug and Valve	2-174
Task 2-97.	Install Magnetic Drain Plug and Valve	2-176

Oil Plug and Dipstick

Task 2-98.	Remove Oil Plug and Dipstick	2-178
Task 2-99.	Clean and Inspect Oil Plug and Dipstick	2-179
Task 2-100.	Install Oil Plug and Dipstick	2-181

Oil Filler Tube and Dipstick Assembly

Task 2-100.1.	Remove Oil Filler Tube and Dipstick Assembly	2-181.1
Task 2-100.2.	Clean and Inspect Oil Filler Tube and Dipstick Assembly	2-181.2
Task 2-100.3.	Install Oil Filler Tube and Dipstick Assembly	2-181.4

Drive System

Task 2-101.	Remove Drive System	2-182
Task 2-102.	Clean and Inspect Drive System	2-185
Task 2-103.	Replace Drive System Studs and Inserts	2-187

Accessory Drive Assembly

Task 2-104.	Remove Accessory Drive Assembly	2-188
Task 2-105.	Replace Accessory Drive Assembly Oil	2-190
Task 2-106.	Install Accessory Drive Assembly	2-192

Reduction Drive Assembly

Task 2-107.	Replace Reduction Drive Assembly Oil Seals	2-194
Task 2-108.	Install Drive System	2-196

Spline Adapter

Task 2-109.	Inspect Spline Adapter	2-199
Task 2-110.	Replace Spline Adapter	2-200

		Page
APPENDIX A	REFERENCES	A-1
APPENDIX B	MAINTENANCE ALLOCATION CHART	B-1
APPENDIX C	REPAIR PARTS AND SPECIAL TOOLS LIST	C-1
APPENDIX D	EXPENDABLE SUPPLIES AND MATERIALS LIST	D-1
APPENDIX E	MANUFACTURED ITEMS LIST (Not applicable)	E-1
APPENDIX F	TORQUE LIMITS	F-1
	GLOSSARY	GLOSSARY-1
	ALPHABETICAL INDEX	INDEX-1

How to Use This Manual

1. Description of Manual. This manual has two chapters and six appendices. Each chapter is divided into sections. Each section in Chapter 1 is divided into paragraphs. The paragraphs have specific information you will need to know. Chapter 2 is divided into tasks. The tasks tell you what you need and how to do any job. The appendices have general information you will need to know. They list references, maintenance allocation chart, expendable supplies and materials, wiring diagrams, and manufactured items.

a. Paragraph/Tasks. Paragraphs make up sections in Chapter 1. They contain specific information about the APU. Tasks make up Chapter 2. It is the tasks that have the information you need to do any job. All paragraphs and tasks are numbered. This helps you find what you need when you need it. USE THE TABLE OF CONTENTS or THE INDEX TO FIND THE PARAGRAPH OR TASK YOU NEED. Tasks and tables are identified by the number of the chapter in which it appears, followed by a dash and a number indicating the sequence in which it appears in the chapter.

Examples: Table 1-2 is the second table in Chapter 1.
Task 2-11 is the eleventh task in Chapter 2.

b. Initial Setup. Initial setup is the first part of every task in the manual. It lists what tools, materials and parts you will need before you can do the task. The following headings are used when they apply.

(1) Task Title. The task title after the paragraph number describes the job to be done in the task.

(2) Tools. Tools, tool kits or shop sets needed to do the task are listed here. If tools from your repairman's kit are needed, the kit is listed. Tools you need that are not in the kit or set, are listed by name, type and size. Special tools and test support equipment are listed by a T-number. Find these items in Table 1-1.

(3) Materials. Expendable items and support materials are listed under this heading. These are things like solvent, rags, grease, safety wire, etc. They are listed by an E-number;

Example: Grease (E2)

Find these items in Appendix C.

(4) Parts. All mandatory replacement, parts are listed. These are things like gaskets, packings, cotter pins, lockwashers, etc. They are listed by the Repair Parts and Special Tools List (RPSTL) name.

(5) Personnel Required. The people needed to do the task are listed under this heading. They are identified by their MOS. When more than one of any MOS is needed, the number needed is shown in parentheses. The text will tell you when a helper is needed.