

TM 5-6115-440-20

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

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TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE MANUAL

GENERATOR SET: 7.5 KW, 28 V DC,

G.E.D., AIR COOLED, 2 WHEEL MTD,

PNEUMATIC TIRES

(JOHN R. HOLLINGSWORTH MODEL JHGV7.5A)

FSN 6115-074-6396

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HEADQUARTERS, DEPARTMENT OF THE ARMY

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	Paragraph	Page
CHAPTER	1. INTRODUCTION	
Section	I. General . . . . .	1-1—1-5
	II. Description and data . . . . .	1-6. 1-7
CHAPTER	2. ORGANIZATIONAL MAINTENANCE INSTRUCTIONS	
Section	I. Service upon receipt of equipment . . . . .	2-1, 2-2
	II. Movement to a new worksite . . . . .	2-3
	III. Repair parts, special tools and equipment . . . . .	2-4—2-6
	IV. Preventive maintenance checks and services . . . . .	2-7—2-9
	V. Troubleshooting . . . . .	2-4
	VI. Radio interference suppression . . . . .	2-10—2-13
	VII. Maintenance of generator set . . . . .	2-14—2-16
	VIII. Control box components . . . . .	2-17—2-22
	IX. Fuel system . . . . .	2-23—2-29
	X. Lubricating system . . . . .	2-30—2-32
	XI. Electrical system . . . . .	2-33—2-37
	XII. Exhaust system . . . . .	2-38—2-40
	XIII. Drive belts, engine and starter-generator, sheave and lifting bar	2-41—2-44
	XIV. Engine assembly . . . . .	2-45—2-48
	XV. Wheel assembly, kick stand and tow bar assembly . . . . .	2-49—2-52

\*This technical manual supersedes the organizational portion of TM 5-6115-440-15, 17 June 1968, including all changes.

# LIST OF ILLUSTRATIONS

<i>Number</i>	<i>Title</i>	<i>Page</i>
1-1	Generator set, front view . . . . .	1-3
1-2	Generator set, rearview . . . . .	1-4
1-3	Generator set, winterized, left front view . . . . .	1-5
1-4	Practical wiring diagram . . . . .	1-6
2-1	Location and replacement of radio suppression components . . . . .	2-5
2-2	Instruments, switches and instruction plates, removal and installation . . . . .	2-7
2-3	Voltage regulator, removal and installation . . . . .	2-8
2-4	Air cleaner, removal and installation . . . . .	2-8
2-5	Fuel strainer and fuel pump, removal and installation . . . . .	2-9
2-6	Carburetor, removal and installation . . . . .	2-10
2-7	Fuel selector valve and bracket, removal and installation . . . . .	2-11
2-8	Fuel tank, removal and installation . . . . .	2-12
2-9	Oil filter service . . . . .	2-13
2-10	Oil filter and bracket, removal and installation . . . . .	2-14
2-11	Oil drain assembly, removal and installation . . . . .	2-15
2-12	Magneto spark check . . . . .	2-17
2-13	Magneto breaker point adjustment . . . . .	2-18
2-14	Magneto, removal and installation . . . . .	2-19
2-15	Alignment of magneto gear to magneto . . . . .	2-20
2-16	Timing of magneto . . . . .	2-20
2-17	Muffler and weather cap, removal and installation . . . . .	2-22
2-18	Intake and exhaust manifold, removal and installation . . . . .	2-23
2-19	Drive belt adjustment, removal and installation . . . . .	2-25
2-20	Lifting bar, removal and installation . . . . .	2-26
2-21	Governor lever adjustment chart . . . . .	2-27
2-22	Air shroud and air deflector exploded view . . . . .	2-28
2-23	Wheel assembly, tow bar and kick stand, removal and installation . . . . .	2-30

# CHAPTER 1

## INTRODUCTION

### Section I. GENERAL

#### 1-1. Scope

a. These instructions are published for use by personnel to whom the John R. Hollingsworth Co. Model JHGV7.5A generator is issued. Chapters 1 and 2 provide information on preventive maintenance checks and services, troubleshooting, and organizational maintenance of equipment, accessories, components and attachments. Also included are descriptions of main units and their functions in relationship to other components.

b. Numbers in parentheses following nomenclature callouts on illustrations indicate quantity; numbers preceding nomenclature callouts indicate preferred sequence.

#### 1-2. Forms and Records

Maintenance forms, records and reports which are to be used by maintenance personnel at all maintenance levels are listed and prescribed by TM 38-750.

#### 1-3. Reporting of Errors

Report of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commanding General, U.S. Army Mobility Equipment Command, ATTN: AMSME-MPP, 4300 Goodfellow Boulevard, St. Louis, Mo. 63120.

#### 1-4. Administrative Storage

Refer to TM 740-90-1 (Administrative Storage of Equipment), for information and instructions pertaining to organizational administrative storage.

#### 1-5. Destruction of Army Material to Prevent Enemy Use

Refer to TM 740-90-1 (Administrative Storage of Equipment), for information and instructions pertaining to organizational administrative storage.

### Section II. DESCRIPTION AND DATA

#### 1-6. Description

A general description of the generator set is contained in TM 5-6115-440-10. A more detailed description of specific components and assemblies are contained in the applicable sections of this manual. Detailed descriptions of the components of the generator set are provided in the applicable maintenance paragraphs of this manual.

#### 1-7. Identification and Tabulated Data

a. *Identification.* The generator set has two (2) major identification plates. The information contained on the plates is listed below.

##### (1) *Generator set plate.*

U.S. Army Generator Set . . . . .	Gasoline engine
Stock Number . . . . .	FSN 6115-074-6396
Manufacturer . . . . .	John R. Hollingsworth Co.
Model . . . . .	JHGV7.5A
Volts . . . . .	28 DC
Amps . . . . .	268
KW . . . . .	7.5
RPM . . . . .	2800
Contract No . . . . .	DAAK01-67-C-D402, DAAK01-69-C-6628
Length . . . . .	40 in.
Width . . . . .	40 in.
Height . . . . .	40 in.

Weight . . . . .	810 lbs.
Eng. Mfr. . . . .	WISCONSIN MOTORS
Model . . . . .	MVH4D

##### (2) *Starter generator plate.*

Aircraft DC Generator:

Weight . . . . .	51.5 lbs.
Volts . . . . .	30
Amps . . . . .	300
Rotation . . . . .	Clockwise
Speed RPM . . . . .	4500/6500
Model . . . . .	30010-004

Lear Siegler, Inc.

Power Equipment Division  
Cleveland, Ohio

##### b. *Tabulated Data.*

###### (1) *Generator set.*

Manufacturer . . . . .	John R. Hollingsworth Co.
Model . . . . .	JHGV7.5A
Type . . . . .	Gasoline engine

###### (2) *Engine.*

Manufacturer . . . . .	Wisconsin Motors
Type . . . . .	Air-cooled
Model . . . . .	MVH4D
Specification . . . . .	305962 (MIL-E-11275-D)
Number of Cylinders . . . . .	4
Cycle . . . . .	4
RPM . . . . .	2725
Bore . . . . .	3¼ in. (inches)