

15K and 25K PTO Standby Alternators



JOHN DEERE

TECHNICAL MANUAL

15K and 25K PTO Standby Alternators

TM1119 (01SEP74) English

John Deere
Lawn & Grounds Care Division
TM1119 (01SEP74)

LITHO IN U.S.A.
ENGLISH



15K AND 25K PTO STANDBY ALTERNATORS

Technical Manual
TM-1119 (Sep-74)

CONTENTS

	Page		Page
GENERAL	2-10	Reactor	34
Introduction	2	Transformer	34
Safety	3	Brushless Exciter Rotor	35
Glossary	4-5	Brushless Exciter Stator	35
Identification View	6	Alternator Rotor	36
Theory of Operation	7	Alternator Stator	37
Lubrication	8	Wiring Harness Check	37
Serial and Model Numbers	8		
Locating Alternator	9	ASSEMBLY	38-46
Concrete Foundation	9	Electrical	38-42
Load Transfer Switch and Power Return Signal	9	Gear Case	42-44
Wire Installation to Alternator	10	Panel Accessories	44-46
DIAGNOSING MALFUNCTIONS	11-15	MAKING SPECIAL TOOLS	47-48
		Bearing Driver	47
DISASSEMBLY	16-27	Bearing Puller Crutch	48
Electrical Components	18-22	Stator Lift Hook	48
Gear Case	22-25		
Panel Accessories	25-27	SPECIFICATIONS	49-51
		Alternator Power Specifications	49
TESTING AND REPAIR	28-37	Alternator Dimensions	49
Wire Diagram of 15K	28	Torque Values	50
Wire Diagram of 25K Single-Phase	28	Special Tools	50
Wire Diagram of 25K Three-Phase	29		
Voltage Calibration Adjustment	29		
Voltage Stability	30		
Flashing the Field	30		
Rotating Rectifiers	31		
Voltage Regulator Checkout	32		

(All information, illustrations and specifications contained in this technical manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.)

SI (International System) Units of Measure

Metric equivalents have been included, where applicable throughout this technical manual.

Copyright© 1974
Deere & Company
Moline, Illinois
All Rights Reserved

BUY NOW

**Then Instant Download
the Complete Manual
Thank you very much!**