



PULC GENERATOR CONTROL
VOLTS/PH
FRACON
SERIAL NO.
CL. NO.
SPEC. NO.
CONTRACT NO.

VOLT. ADJ.

GCU OV GF SYS

DETAILED FAULT ID
○○○○ NO FAULTS
○○●● BUILD UP GF
○○●○ OPEN POR
○○●● QIKTRIP OV
○○○○ GROUND FLT
○○○○ OVEREXCITE
○○○○ OVERVOLT
○○●● OPEN SHUNT
FAULT ID DISPLAYED
WHILE RESET
SWITCH ENGAGED
●○○○ SHORT SHUNT
●○○○ KFR BIT FAIL
●○○○ GF BIT FAIL
●○○○ REGULATOR
●○○○ KLC SHORT
●○○○ KSR SHORT
●○○○ MPU OPEN
● LED ON (NOT FLASHING)
HELP GET UP OFF M.M. FOR USAGE

DO NOT CONT
WHILE I

D.C. GENERATOR CONTROL UNIT

VOLTS 28

FIELD AMPS 10

FSCM/PN 31435/51525-001F

WT 2.5 LBS

SERIAL NO.

98012

MOD

A

C.I. NO.

NSN

SPEC NO.

MFD

01-98

CONTRACT NO.

INSP

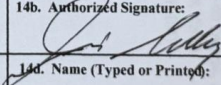
Lucas



Lucas Aerospace
Power Equipment Corporation
Aurora, Ohio 44202

US PATENT #5583420

06-5102-105

1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: A61445			
4. Organization Name and Address Southwind Aviation Supply L.L.C. 5700 N. Rockwell, Bethany, Okla. 73008 (Certificate No. UO9R076Y)		5. Work Order/Contract/Invoice Number: 61445			
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	GCU	51525-001F	1	98012	REPAIRED
<p>12. Remarks: Repaired and tested, I.A.W. CMM for 51525-001 series, ATA24-30-67 Rev 4, dated 9-04-2024.</p> <p>Southwind Aviation Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the component is considered ready for release to service under EASA Part 145 approval no. <u>145.5653</u></p>					
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 <small>Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service</small>		
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: 	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14c. Approval/Certificate No: UO9R076Y	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Printed): Jim Nalley	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14e. Date (dd/mmm/yyyy): 04/Dec/2025	
User/Installer Responsibilities					
<small>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</small>					
<small>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</small>					
<small>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</small>					