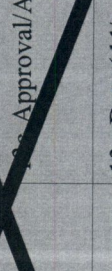
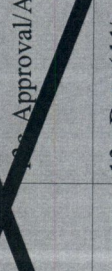


1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: SO 20028139-1.000	
4. Organization Name and Address: BE Aerospace Inc. 15701 W 95th Street Lenexa, KS 66219				5. Work Order/Contract/Invoice number: PO R411370	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1.000	600-2 REFRIGERATOR/FREEZER	600-2	1	1358	OVERHAULED
12. Remarks: B/E Aerospace Inc. Repair Station certifies work was performed in accordance with FAA approved data. The full details of work carried out, including all service documentation and Engineering data used to perform the work, is specified on attached shop finding report order number 20028139. All Work IAW CMM 25-36-43 Rev. 6 Dated 05/21/2020. B/E Aerospace Inc. Repair Station 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 Number EASA 145-5461.					
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.					
13b. Authorized Signature:		13c. Approval/Authorization No.:		14c. Approval/Certificate No.:	
				PB9R229N	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):	
				Wayland Newton	
				14e. Date(dd/mm/yyyy): 06/Sep/2023	
14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 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.					
14b. Authorized Signature: 					
14c. Approval/Certificate No.: PB9R229N					
14d. Name (Typed or Printed): Wayland Newton					
14e. Date(dd/mm/yyyy): 06/Sep/2023					
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. 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. 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.					



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Shopfinding Report

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beaerospace.com
FAA Repair ID: PB9R229N

ORDER DETAILS			
REPAIR ID:	R23052230288	CUSTOMER:	A J WALTER AVIATION LTD
SALES ORDER:	20028139	PURCHASE ORDER:	R411370
		CUSTOMER PN:	N/A
		RECEIVING DATE:	22-May-2023

REPAIR DETAILS			
REMOVAL REASON: INOP-Please Overhaul under T&M- Quote and hold			
FAILURE REASON:			
FAILURE VERIFIED: Yes			
MODIFICATION STANDARD		MOD/AMDT in:	N/A
REPAIRED AND TESTED IN ACCORDANCE WITH CMM:		MOD/AMDT out:	N/A
		REVISION:	6/0
		Manufacturing Date:	01-Jan-2013
		Software Settings:	

INCOMING ITEM				OUTGOING ITEM			
ITEM	P/N	DESCRIPTION	S/N	P/N	DESCRIPTION	S/N	
UNIT	600-2	600-2 REFRIGERATOR/FREEZER	1358	600-2	600-2 REFRIGERATOR/FREEZER	1358	
SUB 1	677-2	COMPRESSOR ASSY	1430	677-2	COMPRESSOR ASSY	1430	
SUB 2	4012832-001	ELECTRONIC ASSEMBLY	0093	4012832-002	ELECTRONIC ASSEMBLY	0093	
SUB 3	4012727-001	POWER STABILIZER ASSY	0098	4012727-001	POWER STABILIZER ASSY	0098	
SUB 4	4012982-005	POWER SUPPLY ASSY, 600-2/4	0089	4012982-005	POWER SUPPLY ASSY, 600-2/4	0089	
SUB 5	4012791-001	PC ASSY, P/S FLEX	213447	4012791-002	PCB ASSY, FLEX CIRCUIT	235010	
SUB 6	4012827-001	PCB ASSY, DC/DC CONVERTER	209156	4012827-003	PCB ASSY, DC/DC CONVERTER	140110	
SUB 7	4011883-001	STATOR, BLDC MOTOR (600)	N/A	4011883-001	STATOR, BLDC MOTOR (600)	7510	
SUB 8	4012927-005	FAN ASSY, EVAPORATOR	I12321093	4012927-005	FAN ASSY, EVAPORATOR	I22050205	
SUB 9	4012927-006	FAN ASSY, CONDENSER	I16300295	4012927-006	FAN ASSY, CONDENSER	I22240693	

SHOP FINDINGS			
UNIT	600-2	600-2 REFRIGERATOR/FREEZER	1358
QTY	2.00	DESCRIPTION	
	2628-1	LABEL WARNING	
		SUPS: No	
		DISCREPANCY / REASON / ACTION	
		Work Scope / Work Scope / Replaced & scrapped	

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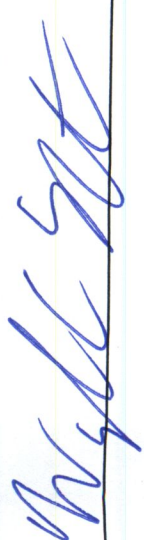
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SALES ORDER:	20028139	PURCHASE ORDER:	R411370	RECEIVING DATE:	22-May-2023

1.00	4011896-003	EVAP ASSY 600-2	Corroded / Environmental / Replaced & scrapped
1.00	4011902-003	COVER ASSY, REAR	Damaged / Handling Damages / Replaced & scrapped
1.00	4011903-002	CHASSIS ASSY	Damaged / Handling Damages / Replaced & scrapped
1.00	4011909-001	FILTER, AIR	Criteria / OVERHAUL / Replaced & scrapped
1.00	4011915-006	CONTROL PANEL ASSY	Failed / No Communication / Replaced & scrapped
1.00	4012092-001	BEZEL ASSY, MODIFIED	Damaged / Structural Failure / Replaced & scrapped
1.00	4012094-001	NAMEPLATE	Work Scope / Work Scope / Replaced & scrapped
1.00	4012848-007	TUBE ASSY LIQUID FILTER	Work Scope / Work Scope / Replaced
1.00	4012868-001	FOOT MOUNTING	Work Scope / Work Scope / Replaced & scrapped
1.00	4012868-002	FOOT MOUNTING	Work Scope / Work Scope / Replaced & scrapped
1.00	4012880-001	BRKT ASSY, MOUNTING LOWER	Damaged / CUSTOMER DAMAGE / Replaced & scrapped
1.00	4012896-001	COVER ASSEMBLY 600-2	Damaged / Handling Damages / Replaced & scrapped
1.00	4012927-005	FAN ASSY, EVAPORATOR	Overhaul Requirement / OVERHAUL / Replaced & scrapped
1.00	4012927-006	FAN ASSY, CONDENSER	Overhaul Requirement / OVERHAUL / Replaced & scrapped
1.00	4013134-001	O-RING, PARKER # 3-905E0740-75	Work Scope / Work Scope / Replaced & scrapped
3.00	4013134-003	O-RING, PARKER# 2-011E0740-75	Work Scope / Work Scope / Replaced & scrapped
6.00	4013134-008	O-RING PARKER #5-056E0515-80	Work Scope / Work Scope / Replaced & scrapped
6.00	4013134-010	O-RING PARKER SOURCE CONTROL	Work Scope / Work Scope / Replaced & scrapped
1.00	4020166-00X	MOUNT, DOW-ELCO# EM618-3F	OVERHAUL / Required / Replaced & scrapped
1.00	4020660-00X	THERMISTOR, API# STX0140-C001	Criteria / OVERHAUL / Replaced & scrapped
1.00	4021410-00X	VALVE, SOLENOID	OVERHAUL / Required / Replaced & scrapped
1.00	4021411-00X	VALVE SOLENOID #2W13X-0102-00	Criteria / OVERHAUL / Replaced & scrapped
1.00	4021449-00X	TRANSDUCER 2CP5-47 SENSATA	OVERHAUL / Required / Replaced & scrapped

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SALES ORDER:	20028139	PURCHASE ORDER:	R411370	RECEIVING DATE:	22-May-2023

1.00	4021811-00X	MOUNT EM618-9 DOW ELCO	OVERHAUL / Required / Replaced & scrapped
1.00	4030198-55R	INSULATION SHEET 1/8 ZOTEK PSA	Temporary - Contact Supervisor / Temporary - Contact Supervisor / Replaced & scrapped
1.00	4030222-55R	KYNAR TUBE 3/8x1/4 AKRO	Work Scope / Worn/Degraded / Replaced & scrapped
1.00	5131-1	LABEL, CAUTION	OVERHAUL / Required / Replaced & scrapped
6.00	5408-1	SEAL 45 DEG. FLARE	Work Scope / Work Scope / Replaced & scrapped
3.00	5408-2	SEAL 45 DEG. FLARE	Work Scope / Work Scope / Replaced & scrapped
3.00	5408-3	SEAL 45 DEG. FLARE	Work Scope / Work Scope / Replaced & scrapped
1.00	6743-1	SWITCH, PRESSURE	OVERHAUL / Required / Replaced & scrapped
1.00	CHILLER_OVERHAUL	OVERHAUL FEE	Work Scope / Work Scope / Will be performed upon customer approval
1.00	CLEAN	CLEANING FEE	Labor charge / Due/Recommended / Maintenance kit includes this part
28.00	MS24693-C48	SCREW,CSK,8-32x0.375in	Work Scope / Work Scope / Replaced & scrapped
5.00	MS24693-C49	SCREW,CSK,8-32x0.437in	Work Scope / Work Scope / Replaced & scrapped
2.00	MS24693C55	SCREW CRES FLAT 8-32X1-1/8	Damaged / FATIGUED / Replaced & scrapped
1.00	X10180	ORIFICE #1; DANFOSS# 68-2010	Failed / Part Failure / Replaced & scrapped
3.00	X13810	FILTER DRYER EK032	Criteria / OVERHAUL / Replaced & scrapped
4.00	X15720	THERMISTOR STX0066	Criteria / OVERHAUL / Replaced & scrapped
1.00	X33520	VALVE EXP 068Z3346 DANFOSS	OVERHAUL / Required / Replaced & scrapped

SUB 2	4012832-002	ELECTRONIC ASSEMBLY	0093	SUPS: No
QTY	PARTNUMBER	DESCRIPTION	DISCREPANCY / REASON / ACTION	
1.00	2628-1	LABEL WARNING	Damaged / Nameplate Illegible / Replaced & scrapped	
1.00	4012827-003	PCB ASSY,DC/DC CONVERTER	Failed / Component Overheated/Cracked / Replaced & scrapped	

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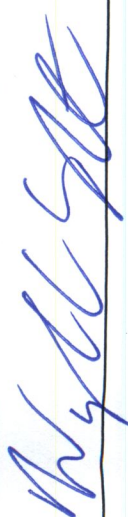
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FAA Repair ID: PB9R229N

ORDER DETAILS

REPAIR ID: R23052230288	CUSTOMER: A J WALTER AVIATION LTD	CUSTOMER PN: N/A
SALES ORDER: 20028139	PURCHASE ORDER: R411370	RECEIVING DATE: 22-May-2023

SUB 4		4012982-005	POWER SUPPLY ASSY, 600-2/4	0089	SUPS: No
QTY	PARTNUMBER	DESCRIPTION			DISCREPANCY / REASON / ACTION
1.00	4012743-004	ENCLOSURE ASSY, POWER SUPPLY			Damaged / Handling Damages / Replaced & scrapped
1.00	4012791-002	PCB ASSY, FLEX CIRCUIT			Damaged / Connector/Terminal Lugs / Replaced & scrapped
1.00	X14300	RELAY KA-D4F LEACH			Burnt / Electrical Shortage / Replaced & scrapped
SUB 1		677-2	COMPRESSOR ASSY	1430	SUPS: No
QTY	PARTNUMBER	DESCRIPTION			DISCREPANCY / REASON / ACTION
1.00	2531-7	PUMP ASSEMBLY, 39 FRAME			Overhaul Requirement / OVERHAUL / Replaced & scrapped
1.00	3191-1	PLATE, UPPER BRG, 39 FR PUMP			Pump Timing / Bearing Worn Upper / Replaced & scrapped
1.00	3192-1	PLATE, LOWER BRG, 39 FR PUMP			Pump Timing / Bearing Worn Lower / Replaced & scrapped
1.00	4010267-002	DISC ASSY, RUPTURE			Overhaul Requirement / OVERHAUL / Replaced & scrapped
1.00	4011075-002	SOC. HD. CAP SCREW			Overhaul Requirement / OVERHAUL / Replaced & scrapped
1.00	4011883-001	STATOR, BLDC MOTOR (600)			Other / Phase Imbalance / Replaced & scrapped
1.00	4011978-001	ROTOR ASSY			Rotor Damaged / Worn Rotor ID (Mating with Shaft) / Replaced & scrapped
0.01	4030080-58R	NYLON COATING/DYE 7-11 BLUE			Consumable / Consumable / General Assembly includes this part
0.03	5488-1	OIL, POLYOL ESTER, 68WT			Consumable / Consumable / General Assembly includes this part
1.00	6534-12	O-RING .176 ID X .050 C/S			Overhaul Requirement / OVERHAUL / Replaced & scrapped
1.00	6534-15	O-RING .437 ID X .070 C/S			Overhaul Requirement / OVERHAUL / Replaced & scrapped
1.00	6534-16	O-RING .562 ID X .070 C/S			Overhaul Requirement / OVERHAUL / Replaced & scrapped
1.00	6534-18	O-RING .644 ID X .087 C/S			Criteria / OVERHAUL / Replaced & scrapped
1.00	6534-19	O-RING .508 ID X .049 C/S			Overhaul Requirement / OVERHAUL / Replaced & scrapped
2.00	6534-8	O-RING 3.578 I.D. X .070 C/S			Overhaul Requirement / OVERHAUL / Replaced & scrapped

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Shopfinding Report

ORDER DETAILS

REPAIR ID: R23052230288
SALES ORDER: 20028139

CUSTOMER: A J WALTER AVIATION LTD
PURCHASE ORDER: R411370

CUSTOMER PN: N/A
RECEIVING DATE: 22-May-2023

1.00	6560-1	SCREW,STATOR RETAINER
3.00	NAS1149C0363R	WASHER, FLAT NO. 10 X 1/16 THI
2.00	NAS1149D0316H	Flat Washer .438 X .203 X .016
3.00	NAS1351-3-30	SCREW SHC 10-32X 1.875 BLK OX
4.00	NAS1802-08-8	HEX HD SCREW .164-32 UNJC-3A 0
15.00	NAS620C10	WASHER,FLAT,REDUCED-OD
1.00	X31450	WASHER 5702-14-60-C2 SEASTROM

Overhaul Requirement / OVERHAUL / Replaced & scrapped
Damaged / BROKEN/DEGRADED / Replaced & scrapped
Damaged / BROKEN/DEGRADED / Replaced & scrapped
Criteria / OVERHAUL / Replaced & scrapped
SUB-ASSEMBLY ACCESSORY / Required / Replaced & scrapped
Criteria / OVERHAUL / Replaced & scrapped
SUB-ASSEMBLY ACCESSORY / Required / Replaced & scrapped

MODIFICATIONS

FORM

08-4-04-08-
PB9R229N

DEPARTMENT

Repair Station

EMAIL

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ORDER DETAILS

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SALES ORDER:	20028139	PURCHASE ORDER:	R411370	RECEIVING DATE:	22-May-2023

REMARKS

Complied with all applicable CMM's and OEM Documentations
Complied with NASC Washer, Flat NAS1149 REV. 7 APRIL 30, 2019
Complied with BEA WI-Refrigeration FAA-PMA Label Replacemnet , REV A , DCR 119955
Complied with BEA Drawing 2531 Rev. AN Released 01/23/17.

Analyze

R23052230288 LG123-UNIT IS NOT EVACUATED. Unit will NOT power up. Remove Ebox E-Assy and Power Stabilizer and have evaluated by Rotobles- Re-Analyze unit. Cover is bent and damaged/cracked- Replace. Back cover is bent-Replace. Face is dirty. Door seal is dirty. Interior compartment very dirty. 1ea wire shelf came with unit. Chassis is bent and has corrosion-Evaluate. Ebox alignment pin bent-Evaluate. Filter very dirty-Replace.
Customer requests unit to be OVERHAULED under T&M-Quote and Hold.

Analyze

R23052230288 LG123-OVERHAUL. (Customer requests unit to be overhauled) Unit re-analyzed. HMI is not allowing mode changes-Replace. Compressor is out of balance-Evaluate. Hyperterminal reported "Phase Lost" multiple times. Receptacle check OK. Saturation pressure measured 88psi. HDL # 368. Unit is NOT under warranty. Unit IS evacuated.

Tore down unit. Took electronics and compressor to rotobles. Evaporator has corrosion. Replacing. (Pictures taken on reassy. camera). Leak check on condenser(passed). Enter parts for overhaul. Moving to approval.

Compressor Analyze

Stator phase imbalance.

Pump: replaced per OVERHAUL.

Oil was yellow.

Heavy Amount of Metal Particles found in Shaft of Pump and Bottom Dome.

FORM

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