

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA01933LA

This Certificate issued to **Garmin AT, Inc.
2345 Turner Road S.E.
Salem, Oregon 97302**

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the Regulations*

Original Product Type Certificate Number: * See attached Approved Model List (AML)
Models: No. SA01933LA for list of approved aircraft
Model: models and applicable airworthiness regulations.

Description of Type Design

Change: Installation of Garmin Model 400W / 500W Series GPS-WAAS Navigation System in accordance with FAA Approved Garmin 400W Series Master Data List, Drawing No.: 005-C0221-00, Revision "A", dated October 31, 2006, or later FAA approved revision; or FAA Approved Garmin 500W Series Master Data List, Drawing No.: 005-C0221-01, Revision "A", dated October 31, 2006, or later FAA approved revision. For Garmin 400W installations: FAA Approved Garmin 400W Series Airplane Flight Manual Supplement, Document No.: 190-00356-63, Revision "Original", dated November 6, 2006, or later FAA approved revision. For Garmin 500W installation: FAA Approved Garmin 500W Series Airplane Flight Manual Supplement, Document No.: 190-00357-63, Revision "Original", dated November 6, 2006, or later FAA approved revision.

Limitations and Conditions: This approval should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previous approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator

Date of application: January 31, 2006

Date reissued:

Date of issuance: November 6, 2006

Date amended:



By direction of the Administrator

S. Lamm. Haskin
(Signature)

Manager, Systems & Equipment Branch, Los Angeles Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.



U.S. Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title CFR 43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 44701). Failure to report can result in a civil penalty for each such violation (49 U.S.C. 46301(a)).

1. Aircraft	Nationality and Registration Mark N509SR	Serial No. 2180	
	Make Cirrus	Model SR22	Series
2. Owner	Name (As shown on registration certificate) Corporate Flight Management Inc.	Address (As shown on registration certificate) Address 276 Doug Warpoole Rd	
		City Smyrna	State TN
		zip 37167	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	Corporate Flight Management	U.S. Certificated Mechanic	Manufacturer
Address	276 Doug Warpoole Rd	Foreign Certificated Mechanic	C. Certificate No.
City	Smyrna State TN	<input checked="" type="checkbox"/> Certificated Repair Station	
Zip	37167 Country USA	Certificated Maintenance Organization	FJTR920D

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B Signature/Date of Authorized Individual 11/01/2010

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. FJTR920D Signature/Date of Authorized Individual 11/01/2010

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N509SR	11/01/2010
Nationality and Registration Mark	Date

Validated that the previous installation of one GNS 430 was installed IAW with Garmin instructions and approved via an FAA stamped field approval document on FAA-form 337 dated 01/01/2000. Verified this aircraft and all interfaced equipment are covered under STC AML. The unit removed was upgraded to GNS 430W. The existing location of the unit was determined to meet the field-of-view requirements without the need for external annunciation. The existing RG-58 GPS antenna was removed and replaced with RG-400 cable. the existing wiring and shielding was inspected and determined to be IAW the STC AML installation date. The existing GA-56 antenna was removed and replaced with one GA-35 antenna using the approved mounting provisions of the previous installation.

A summary of the modification done to the aircraft is as follows:

1. Removed one (1) Garmin GA-56 antenna, P/N 011-00134-00 and installed one (1) new GA35 GPS/WAAS antenna P/N 013-00235-00 using the provisions left behind from the standard antenna IAW Garmin upgrade manual P/N 190-00357-06 Rev A and STC # SA01933LA.
2. Removed one (1) Garmin GNS P/N 011-00280-00 S/N 97130359 and reinstalled Garmin GNS P/N 011-00280-10 S/N 97130359 after upgrade, using the provision left behind from the standard 430 unit. Installation done IAW Garmin upgrade installation manual P/N 190-00357-06 Rev A and STC no. SA01933LA.
3. The GNS 430W was configured identical to the original 430 unit. Each interface was checked out IAW the 430W installation. Manual P/N 190-00356-02 Section 5.
4. Removed the aircraft Flight Manual Supplement for the GNS 430 and installed a GNS 430 AFMS P/N 190-00356-63, FAA approved date 12/21/2006 into the aircraft Manual.
5. Updated the aircraft Equipment List and no weight and balance needed at this time. the current electrical load analysis remains valid since the new unit draw the same or less current than the original unit.

Instructions for Continued Airworthiness (ICA):

1. GNS 430W - Included Garmin document P/N 190-00356-65, GNS 430W Instructions for Continued Airworthiness in the aircraft maintenance records.

Note: These supersede ICAW data for the previously installed GNS 430.

***** NOTHING FOLLOWS *****

Additional Sheets Are Attached

ROLLS-ROYCE CERTIFICATE OF CONFORMITY

SOLD TO
 AVIALL SERVICES INC
 DFW AIRPORT
 2750 REGENT BLVD.
 DALLAS TX 75261-9048
 CUSTOMER No. I54394

SHIPPED TO
 AVIALL SERVICES INC
 DFW AIRPORT
 2750 REGENT BLVD.
 DALLAS TX 75261-9048
 CUSTOMER No. I54394



Rolls-Royce

Rolls-Royce Corporation
 PLO5 Parts/N.Dock
 INDIANAPOLIS IN 46241
 Facsimile: 317-230-5531 Telephone: 317-230-4118

No. of Cases

1

Registered Office: 2001 S. Tibbs Avenue, Indianapolis, IN 46241

Certified to: ISO 9001:2000 and AS9100
 Certificate No.: 05-0665(A)

PRODUCT TYPE T56 Series III

SHIPMENT No. 543630 Country of Origin

USA

ROADWAY - ACCOUNT # 'BILL TO AVIALL'
 MOG'S FEDEX ACCT # 075200927 UPS ACCT # 755755

CUSTOMERS ORDER NUMBER	ITEM NUMBER	PART NUMBER	DESCRIPTION	DELIVERY NUMBER	QTY/UNIT	COMMENTS
963883	1	AN924-8D	NUT - FLARED TUBE .750-16	82313488	50 EA	AVIALL TRUE CERTIFIED COPY 9/15/2009 PEGGY SCOTT -24002 QUALITY ASSURANCE DEPT. 1963520120AV 107 3883960 00

FOR AND ON BEHALF OF:
 ROLLS-ROYCE

CERTIFIED THAT UNLESS STATED ABOVE THE PARTS ON THIS DOCUMENT CONFORM FULLY TO CONTRACT REQUIREMENTS AND THE SPECIFICATIONS OF ROLLS-ROYCE

SIGNATURE

William B. Klueber

DATE 18 Feb 2010

1. Approving National Aviation Authority/Country FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number 543630-82313488-1000-001 Page 1 of 1
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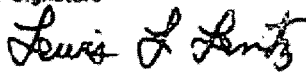
4. Organization Name and Address: Rolls-Royce Corporation 2001 S. Tibbs Avenue INDIANAPOLIS IN 46241 USA	Certificate No. PC310	5. Work Order/Contract/Invoice 963883 Case 2686988
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6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	NUT - FLARED TUBE .750-16	AN924-8D	N/A	50 EA	N/A	NEW

13. REMARKS: Company Sold To or Consigned To / Country: ----- AVIALL SERVICES INC DFW AIRPORT 2750 REGENT BLVD. DALLAS TX 75261-9048 USA	AIRWORTHINESS APPROVAL-PART(S). THIS FORM IS NOT AN EXPORT APPROVAL	QUALITY ASSURANCE DEPT. PEGGY SCOTT -24002 9/15/2010 TRUE CERTIFIED COPY AVIALL LAST PAGE
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Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.

14. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13	19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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.
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15. Authorized Signature 	18. Approval/Authorization Number ODA405265CE	20. Authorized Signature	21. Approval Certificate Number:
17. Name (Typed or Printed): LEWIS L LENTZ	18. Date (m/d/y): FEB/18/2010	22. Name (Typed or Printed):	23. Date (m/d/y):

USER/INSTALLER RESPONSIBILITIES
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
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 the parts/components/assemblies from the airworthiness authority of the country specified in Block 1.
Statements in Blocks 14 and 19 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.

ACCEPTANCE TEST REPORT



A1615-ATP, Rev B

LOT NO: 080401-20
SER NO.: 1898

PN: **A1615**, REV D
MOD

(NOTE: WRITE LOT NUMBER (YRMODY-X) IN MAGIC MARKER ON THE BOTTOM CENTER OF HOUSING)
BURN-IN, CALIBRATION, FINAL TEST AND INSPECTION FOR

MFD DATE: 0815
DATE: 04/08/08

DATA ACQUISITION UNIT

BY: A.J.

A. EXAMINATION OF PRODUCT (PRIOR TO TESTING, BURN-IN AND INITIAL CALIBRATION):

- CLEANLINESS
- FOREIGN OBJECTS
- HARDWARE INSTALLED / SECURE

B. BURN-IN AND TEMPERATURE CYCLING (PRIOR TO CALIBRATION):

- COLD CYCLE - 2 HOURS)
- HOT CYCLE - 2 HOURS) - STAMP UNIT WITH "BURN-IN" AFTER PERFORMING THESE STEPS
- POWER APPLIED - 8 HOURS)

C. CHECKSUMS:

A1615 Unit Revision =>	REV D
MAIN BOARD 1 VERIFIED <u>A.J.</u> (INITIAL)	A207
MAIN BOARD 2 VERIFIED <u>A.J.</u> (INITIAL)	F81A
COMM BOARD VERIFIED <u>A.J.</u> (INITIAL)	8ECE

D. FINAL TEST:

TEST CONDITIONS: 25 ± 5°C, 28VDC ± 1VDC POWER INPUT.

CONFIGURE TEST FIXTURE FOR AIRCRAFT TYPE 7 TO PERFORM THE FOLLOWING TESTS

CHT	FINAL TEST (CHECK OR NO.) = ± 0.8%		
	930.3	1569.1	1977.1
INPUT (OHMS)			
SPECIFIED OUTPUT	0	300	500
TOLERANCE ON OUTPUT	±4	±4	±4
ACTUAL OUTPUT - CYL 1	<input type="checkbox"/> 0	<input type="checkbox"/> 300	<input type="checkbox"/> 500
ACTUAL OUTPUT - CYL 2	<input type="checkbox"/> 0	<input type="checkbox"/> 300	<input type="checkbox"/> 499
ACTUAL OUTPUT - CYL 3	<input type="checkbox"/> 0	<input type="checkbox"/> 299	<input type="checkbox"/> 498
ACTUAL OUTPUT - CYL 4	<input type="checkbox"/> 0	<input type="checkbox"/> 301	<input type="checkbox"/> 500
ACTUAL OUTPUT - CYL 5	<input type="checkbox"/> 0	<input type="checkbox"/> 300	<input type="checkbox"/> 499
ACTUAL OUTPUT - CYL 6	<input type="checkbox"/> 0	<input type="checkbox"/> 300	<input type="checkbox"/> 500

OT	FINAL TEST (CHECK OR NO.) = ± 0.8%		
	902.0	179.0	34.0
INPUT (OHMS)			
SPECIFIED OUTPUT	75	150	250
TOLERANCE ON OUTPUT	±2	±2	±2
ACTUAL OUTPUT	<input type="checkbox"/> 75	<input type="checkbox"/> 150	<input type="checkbox"/> 250

ACCEPTANCE TEST
REPORT



A1615-ATP, Rev B

LOT NO: 080401-20
SER NO.: 1898

PN: **A1615**, REV D
MOD

OP	FINAL TEST (CHECK OR NO.) = ± 1%		
INPUT (VOLTS)	0.5	1.835	3.165
SPECIFIED OUTPUT	0	50	100
TOLERANCE ON OUTPUT	± 1	± 1	± 1
ACTUAL OUTPUT	<input type="checkbox"/> 0	<input type="checkbox"/> 50	<input type="checkbox"/> 100

RPM (SR-20)	FINAL TEST (CHECK OR NO.) = ± 0.29%		
INPUT (HERTZ)	0.0	165.2	289.1
SPECIFIED OUTPUT	0	2000	3500
TOLERANCE ON OUTPUT	± 10	± 10	± 10
ACTUAL OUTPUT	<input type="checkbox"/> 0	<input type="checkbox"/> 2000	<input type="checkbox"/> 3500

MAP	FINAL TEST (CHECK OR NO.) = ± 0.57%		
INPUT (VOLTS)	0.5	1.482	1.875
SPECIFIED OUTPUT	0.0	25.0	35.0
TOLERANCE ON OUTPUT	± 0.2	± 0.2	± 0.2
ACTUAL OUTPUT	<input type="checkbox"/> 0.0	<input type="checkbox"/> 25.0	<input type="checkbox"/> 35.0

FUEL FLOW	FINAL TEST (CHECK OR NO.) = ± 0.56%		
INPUT (HERTZ)	0.0	162.2	324.4
SPECIFIED OUTPUT	0.0	20.0	40.0
TOLERANCE ON OUTPUT	± 0.1	± 0.1	± 0.1
ACTUAL OUTPUT	<input type="checkbox"/> 0.0	<input type="checkbox"/> 20.0	<input type="checkbox"/> 40.0

AMP ALT 1	FINAL TEST (CHECK OR NO.) = ± 1 CNT		
INPUT (MV + 28V CM)	0.0	30.0	50.0
SPECIFIED OUTPUT	0	60	100
TOLERANCE ON OUTPUT	± 1	± 1	± 1
ACTUAL OUTPUT	<input type="checkbox"/> 0	<input type="checkbox"/> 60	<input type="checkbox"/> 100

AMP ALT 2	FINAL TEST (CHECK OR NO.) = ± 1 CNT		
INPUT (MV + 28V CM)	0.0	30.0	50.0
SPECIFIED OUTPUT	0	60	100
TOLERANCE ON OUTPUT	± 1	± 1	± 1
ACTUAL OUTPUT	<input type="checkbox"/> 0	<input type="checkbox"/> 60	<input type="checkbox"/> 100

AMP BAT	FINAL TEST (CHECK OR NO.) = ± 1 CNT		
INPUT (MV + 28V CM)	-50.0	0.0	50.0
SPECIFIED OUTPUT	-100	0	100
TOLERANCE ON OUTPUT	± 1	± 1	± 1
ACTUAL OUTPUT	<input type="checkbox"/> -100	<input type="checkbox"/> 0	<input type="checkbox"/> 100

ACCEPTANCE TEST
REPORT



A1615-ATP, Rev B

LOT NO: 080401-20
SER NO.: 1898

PN: **A1615**, REV D
MOD

VDC1 (MBUS)	FINAL TEST (CHECK OR NO.) = ± 0.57%		
INPUT (VOLTS)	0.0	28.0	36.0
SPECIFIED OUTPUT	0.0	28.0	36.0
TOLERANCE ON OUTPUT	± 0.2	± 0.2	± 0.2
ACTUAL OUTPUT	<input type="checkbox"/> 0.0	<input type="checkbox"/> 28.0	<input type="checkbox"/> 36.0

VDC2 (EBUS)	FINAL TEST (CHECK OR NO.) = ± 0.56%		
INPUT (VOLTS)	0.0	28.0	36.0
SPECIFIED OUTPUT	0.0	28.0	36.0
TOLERANCE ON OUTPUT	± 0.2	± 0.2	± 0.2
ACTUAL OUTPUT	<input type="checkbox"/> 0.0	<input type="checkbox"/> 28.0	<input type="checkbox"/> 36.0

EGT (Cal = 107mV to 4654mV)	FINAL TEST (CHECK OR NO.) = ± 0.5%		
INPUT (TC SIMULATOR IN °F)	160	1400	2000
SPECIFIED OUTPUT	160	1400	2000
TOLERANCE ON OUTPUT	± 8	± 8	± 8
ACTUAL OUTPUT - CYL 1	<input type="checkbox"/> 160	<input type="checkbox"/> 1398	<input type="checkbox"/> 1998
ACTUAL OUTPUT - CYL 2	<input type="checkbox"/> 160	<input type="checkbox"/> 1398	<input type="checkbox"/> 1999
ACTUAL OUTPUT - CYL 3	<input type="checkbox"/> 160	<input type="checkbox"/> 1398	<input type="checkbox"/> 1999
ACTUAL OUTPUT - CYL 4	<input type="checkbox"/> 160	<input type="checkbox"/> 1398	<input type="checkbox"/> 1998
ACTUAL OUTPUT - CYL 5	<input type="checkbox"/> 160	<input type="checkbox"/> 1398	<input type="checkbox"/> 1998
ACTUAL OUTPUT - CYL 6	<input type="checkbox"/> 160	<input type="checkbox"/> 1398	<input type="checkbox"/> 1999

CONFIGURE TEST FIXTURE FOR AIRCRAFT TYPE 8 TO PERFORM THE FOLLOWING TESTS
(NOTE, CYCLE POWER)

RPM (SR-22)	FINAL TEST (CHECK OR NO.) = ± 0.29%		
INPUT (HERTZ)	0.0	50.0	87.5
SPECIFIED OUTPUT	0	2000	3500
TOLERANCE ON OUTPUT	± 10	± 10	± 10
ACTUAL OUTPUT	<input type="checkbox"/> 0	<input type="checkbox"/> 2000	<input type="checkbox"/> 3500

CONFIGURE TEST FIXTURE FOR AIRCRAFT TYPE 9 TO PERFORM THE FOLLOWING TESTS
(NOTE, CYCLE POWER)

TIT	FINAL TEST (CHECK OR NO.) = ± 0.5%		
INPUT (TC SIMULATOR IN °F)	160	1400	2000
SPECIFIED OUTPUT	160	1400	2000
TOLERANCE ON OUTPUT	± 8	± 8	± 8
ACTUAL OUTPUT	<input type="checkbox"/> 160	<input type="checkbox"/> 1399	<input type="checkbox"/> 1998

MORITZ AEROSPACE, INC.

2317 Topaz Drive, Hatfield, PA 19440



TEL: 215-996-9211 • FAX: 215-996-0945

CERTIFICATE OF COMPLIANCE

CUSTOMER P.O.	OUR S.O.	DATE	CUSTOMER
PO15303-A	C3209	4/16/08	AVIDYNE

PART NUMBER	REV LEVEL	DESCRIPTION	QTY	SERIAL NUMBER(S)
A1615	D	DATA AQUISION UNIT Avidyne Part# 200-00073-000, 850-00007-012 Cirrus Part # 16692-002	14	1895-1908 (0815 & 0816)

This is to hereby certify that all materials and/or services supplied are in conformance with the requirements of the purchase order.

Test reports, inspection records or other verifiable documentation of quality are maintained at the point of manufacture and are available for review by the buyer and/or government representatives.


CHARLES CORFIELD
QUALITY SPECIALIST



PACKING SLIP

PACKING SLIP NO.: PK-47680
 CUSTOMER ID: 473

SOLD TO:
 CIRRUS DESIGN
 4515 TAYLOR CIRCLE
 DULUTH, MN 55811
 USA

SHIP TO:
 CIRRUS
 8655 COMMERCE DRIVE
 SUITE 105
 SOUTHAVEN, MS 38671
 USA

4500114443

ENVIROSYSTEMS

SHIP DATE: 5/27/2010 ORDER DATE: 4/30/2010 CUSTOMER ORDER NO: 107283 ORDER NO: S32770 PAYMENT TERMS: Net 30

SHIP VIA: FedEx Exp Saver FOB: OUR DOCK TERMS: Net 30

PACKING LIST DETAIL

CUST PO LINE #	ENVIRO SYSTEMS		CUSTOMER		DESCRIPTION	QUANTITY		
	PART NO ECCN	REV	PART NO HTS CODE			ORDERED	SHIPPED	BALANCE

Enviro's Terms of Sale, Rev. D, shall apply.

1	1133150-15 9A991(d) USA	-	21114-401 8415.90.8085		EVAPORATOR ASSEMBLY S/N: 173	3	1	0
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01AZ07726

CO#: 13

PO#:



114443

RCVD DATE



100603

STATEMENT OF CONFORMITY

NEW PRODUCT:

I CERTIFY THAT THE INFORMATION ON THIS PACKING SLIP IS TRUE AND THE PARTS AND/OR MATERIALS DESCRIBED THEREON CONFORM TO APPROVED DESIGN DATA AS SPECIFIED ON ENVIRO SYSTEMS, INC. DRAWINGS AND/OR SPECIFICATIONS. FURTHER, ALL ITEM(S) LISTED ABOVE ARE IN CONDITION FOR SAFE OPERATION. PACKAGING AND PRESERVATION IS EFFECTIVE FOR A MINIMUM OF ONE YEAR, IF THE COMPONENTS REMAIN IN THE ORIGINAL SHIPPING CONTAINER.

FAA REPAIR STATION BD2R712K:

ALL INSPECTIONS, REPAIRS, OVERHAULS, MODIFICATIONS AND REPLACEMENT OF PARTS ARE PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND FAA APPROVED REPAIR STATION INSPECTION MANUALS.

NOTE: ALL PLASTIC PARTS MEET FAA FAR 25.853(b) BURN TEST REQUIREMENTS WHEN SPECIFIED ON SPEC. CONTROL DRAWING.

DATE: 5-27-10 SIGNATURE:

**TEST DATA SHEET FOR
EVAPORATOR ASSEMBLY
(ENVIRO P/N 1133150-15) OR (C.D.C. P/N 21114-401)**

UNIT P/N: 1133150-15

TEST 8

 SERIAL NUMBER: 173
 TEST OPERATOR: _____ DATE: 5/26/10
 WORK ORDER/SALES ORDER NUMBER: W76485

A. PRE-TEST INSPECTION:

1. SET POWER SUPPLY VOLTAGE TO 28.0 ± 0.5 VDC 28.0 VDC

B. TEST DATA:

1. ATTACH LOW TEMP SWITCH ATP DATA SHEET _____ X
2. VERIFY CONTINUITY THROUGH LOW TEMPERATURE SWITCH CONNECTOR _____ X
3. VERIFY RECIRCULATION AIR DOORS GO TO FULL OPEN POSITION _____ X
4. VERIFY BLOWER WHEEL ROTATION _____ X
5. LOW SPEED CURRENT (0.9 ± 0.5 AMP) 0.9 AMPS
6. FAN SPEED LOW (2000 ± 200 RPM) 2101 RPM
7. MID SPEED CURRENT (5.8 ± 0.5 AMP) 6.2 AMPS
8. FAN SPEED MID (4000 ± 400 RPM) 4218 RPM
9. HIGH SPEED CURRENT (12.0 ± 0.75 AMP) 12.3 AMPS
10. FAN SPEED HIGH (4800 ± 400 RPM) 4553 RPM
11. VERIFY RECIRCULATION AIR DOORS GO TO FULL CLOSED POSITION _____ X
12. VERIFY NO GROUND FAULT ON CASE GROUND WIRE _____ X
13. VERIFY VIBRATION LEVEL (0.50 IPS MAX) 0.06 IPS
14. SET INLET PORT PRESSURE TO 200 ± 5 PSI 200 PSI
15. ROOM TEMPERATURE (75.0 ± 4 °F) 74.3 °F
16. SUCTION PORT PRESSURE (60 ± 10 PSI) 62.4 PSI
17. VERIFY NO LEAKAGE _____ X

C. POST TEST CHECK OUT:

1. VERIFY RECIRCULATION DOORS ARE CLOSED FOR SHIPPING _____ X
2. REPAIR ANY DAMAGED FINS _____ X
3. VISUALLY INSPECT UNIT FOR LOOSE HARDWARE / UNIT IS CLEAN _____ X
4. PURGE ASSEMBLY WITH DRY NITROGEN/HYDROGEN MIXTURE AND CAP _____ X
5. COMPLETE POST TEST CHECKLIST _____ X

TEST DATA SHEET FOR
SWITCH, LOW TEMPERATURE
(ENVIRO P/N 1133190-1)

UNIT P/N: _____ 1133190-1 TEST
8
TEST OPERATOR: _____ DATE: _____ 5/26/10
WORK ORDER/SALES ORDER NUMBER: _____ W76485

TEST DATA:

VERIFY CONTINUITY AT ROOM TEMPERATURE	VERIFY SWITCH OPENS BETWEEN 5-15 SECONDS AFTER ADJUSTMENT	VERIFY TORQUE SEAL IS APPLIED TO ADJUSTMENT SHAFT
Y	Y	Y



Enviro Systems Inc.
12037 North Highway 99
Seminole, OK 74868
405-382-0731

PACKING SLIP

PACKING SLIP NO.: PK-50038
CUSTOMER ID: 473

SOLD TO:

CIRRUS DESIGN
4515 TAYLOR CIRCLE
DULUTH, MN 55811
USA

SHIP TO:

CORPORATE FLIGHT MGMT
625 FITZHUGH BLVD
SMYRNA AIRPORT
SMYRNA, TN 37167
USA

SHIP DATE	ORDER DATE	CUSTOMER ORDER NO	ENVIROSYSTEMS ORDER NO.	PAYMENT TERMS
10/4/2010	10/1/2010	110215	S34788	Net 30
SHIP VIA	FOB	TERMS		
FedEx Exp Saver	OUR DOCK	Net 30		

PACKING LIST DETAIL

CUST PO	ENVIRO SYSTEMS		CUSTOMER		DESCRIPTION	QUANTITY		
	PART NO	REV	PART NO			ORDERED	SHIPPED	BALANCE
LINE #	ECCN		HTS CODE					
The Supply Agreement Between Cirrus & Enviro Dates June 23, 2005 Shall Apply								
1	1133175-2	-			DRIVE SHAFT/HUB ASSEMBLY	1	1	0

QUALITY ASSURANCE
C. Beckwith
EMP # 1265 DATE 10/6/10
INSPECTED

RECEIVED
OCT - 6 2010

QUALITY ASSURANCE
C. Beckwith
EMP # 1265 DATE 10/6/10
INSPECTED

NEW PRODUCT: **FAA REPAIR STATION NO. FJTR920 D**

STATEMENT OF CONFORMITY

I CERTIFY THAT THE INFORMATION ON THIS PACKING SLIP IS TRUE AND THE PARTS AND/OR MATERIALS DESCRIBED THEREON CONFORM TO APPROVED DESIGN DATA AS SPECIFIED ON ENVIRO SYSTEMS, INC. DRAWINGS AND/OR SPECIFICATIONS. FURTHER, ALL ITEM(S) LISTED ABOVE ARE IN CONDITION FOR SAFE OPERATION. PACKAGING AND PRESERVATION IS EFFECTIVE FOR A MINIMUM OF ONE YEAR, IF THE COMPONENTS REMAIN IN THE ORIGINAL SHIPPING CONTAINER.

FAA REPAIR STATION BD2R712K:

ALL INSPECTIONS, REPAIRS, OVERHAULS, MODIFICATIONS AND REPLACEMENT OF PARTS ARE PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND FAA APPROVED REPAIR STATION INSPECTION MANUALS. THE 8130-3 RETURN TO SERVICE DOCUMENT SUPPLIED WITH THE PART IS ALSO A STATEMENT OF CONFORMITY, THUS THE SIGNATURE BELOW IS OPTIONAL.

NOTE: ALL PLASTIC PARTS MEET FAA FAR 25.853(b) BURN TEST REQUIREMENTS WHEN SPECIFIED ON SPEC. CONTROL DRAWING.

DATE: 10/4/2010 SIGNATURE: *Michael A. C.*



ATP1250232-14

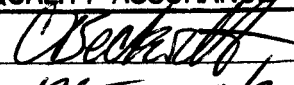
TEST
30

**TEST DATA SHEET FOR
BINARY PRESSURE SWITCHES
ENVIRO P/N 1250232-14**

UNIT PART NUMBER: 1250232-14 SERIAL NUMBER: 1429
WORK ORDER/SALES ORDER NUMBER: W81446

TEST DATA

- 1. VERIFY A MINIMUM INTERNAL PRESSURE 1000 PSIG ON 2500 PSIG GAUGE 1500 PSIG
- 2. RECORD SWITCH LOW PRESSURE CLOSE ON RISE AT 30 ± 5 PSIG 30 PSIG
- 3. RECORD SWITCH LOW PRESSURE OPENING ON FALL AT 30 ± 5 PSIG 28 PSIG
- 4. RECORD SWITCH HIGH PRESSURE CLOSE BELOW OPEN AT 85 ± 30 PSIG 72 PSIG
- 5. RECORD SWITCH HIGH PRESSURE OPENING ON RISE AT 355-412 PSIG 400 PSIG
- 6. VERIFY SWITCH RESISTANCE IS $< 1 \Omega$ MAX. 0.20 Ω
- 7. DATE: 10/11/2010 TEST OPERATOR SIGNATURE: Miles Jones 30
- 8. DATE: _____ QUALITY SIGNATURE: _____

QUALITY ASSURANCE

 EMP # 1265 DATE 10/20/10

INSPECTED

RECEIVED
 OCT 20 2010

QUALITY ASSURANCE

 EMP # 1265 DATE 10/20/10

INSPECTED

FAA REPAIR STATION NO. FJTR920 D