

Aircraft Description

Manufacture Cirrus Design Model SR22 Date of MFG. Dec-06

Serial Number 2288 Registration Number ~~N217A~~ 335A

Registered Owner

Street Address

City, State, Zip

Operator

Street Address

City, State, Zip

Registered Owner

Street Address

City, State, Zip

Operator

Street Address

City, State, Zip

Inspection Status

☒

F.A.R. 91.409 Annual / 100 Hour

☐

F.A.R. 91.409 Progressive

☐

F.A.R. 135.419 A.T.C.O.

☐

Other

Date Entered _____

Maintenance Responsibility

Aircraft Description

Manufacture Model Date of MFG.

Serial Number Registration Number

Registered Owner

Street Address

City, State, Zip

Operator

Street Address

City, State, Zip

Registered Owner

Street Address

City, State, Zip

Operator

Street Address

City, State, Zip

Inspection Status

☐

F.A.R. 91.409 Annual / 100 Hour

☐

F.A.R. 91.409 Progressive

☐

F.A.R. 135.419 A.T.C.O.

☐

Other

Date Entered _____

Maintenance Responsibility

AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design Corp MODEL SR-22 DATE OF MFG. December 2006
SERIAL NUMBER 22-2288 REGISTRATION NUMBER N335A

REGISTERED OWNER	
STREET ADDRESS	
CITY, STATE, ZIP	
OPERATOR	
STREET ADDRESS	
CITY, STATE, ZIP	
GENERAL OWNER	
STREET ADDRESS	
CITY, STATE, ZIP	
OPERATOR	
STREET ADDRESS	
CITY, STATE, ZIP	

Inspection Status

[Check one]

☐ F.A.R. 91.409 ANNUAL/100 HOUR

☐ F.A.R. 91.409 PROGRESSIVE

☐ F.A.R. 135.419 A.T.C.O.

☐ OTHER

DATE ENTERED _____

MAINTENANCE RESPONSIBILITY

**Federal Aviation Administration**

Moving America Safely

[FAA.gov Home](#)**Aircraft Inquiries** [Print this Page](#)

N-number

Request a Reserved**N-Number:**

Online

In Writing

FAA Registry
N-Number Inquiry Results

N335A has multiple records

Serial Number

Name

Make / Model

Engine Reference

Dealer

Document Index

State and County

Territory and Country

N-number Availability

Aircraft Description**Serial Number**

2288

Type Registration

Corporation

Manufacturer NameCIRRUS DESIGN
CORP**Certificate Issue
Date**

None

Model

SR22

Status

Registered to Mfr

Type AircraftFixed Wing
Single-Engine**Type Engine**

Reciprocating

Help

Main Menu

Definitions

N-Number Format

Registrations at Risk

Contact Aircraft

Registration

Contact Web

Administration

**Pending Number
Change**

None

Dealer

Yes

**Date Change
Authorized**

None

Mode S Code

50724142

MFR Year

None

Fractional Owner

NO

Registered Owner

Name	CIRRUS DESIGN CORP			
Street	4515 TAYLOR CIR			
City	DULUTH	State	MINNESOTA	Zip Code 55811-1548
County	ST LOUIS			
Country	UNITED STATES			

Serial Number	335	Type Registration	Individual
Manufacturer Name	CIRRUS	Certificate Issue Date	None
Model	335	Model S Code	30/0000
Year Manufactured	1999	Valid Date	11/28/2003
Examiner Certification	Destroyed	Ex	Airworthiness

Airworthiness

None

Other Owner Names

None

Temporary Certificate

None

Fuel Modifications

None

Deregistered Aircraft 1 of 1

Aircraft Description			
Serial Number	335-0009	Type Registration	Individual
Manufacturer Name	CESSNA	Certificate Issue Date	None
Model	335	Mode S Code	50724142
Year Manufacturer	1979	Cancel Date	11/26/2003
Reason for Cancellation	Destroyed	Exported To	

Aircraft Registration prior to Deregistration

Name	SALE REPORTED		
Street	PO BOX 12		
City	KIDRON	State	OHIO
		Zip Code	44636-0012
County	WAYNE		
Country	UNITED STATES		

Airworthiness

Engine Manufacturer	CONT MOTOR	Classification	Standard
Engine Model	TSIO-520 SER	Category	Normal
		A/W Date	10/25/1979

Other Owner Names

None



Last Updated: Wednesday 20th December, 2006

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U.S. Department of Transportation
Federal Aviation Administration
800 Independence Avenue, SW
Washington, DC 20591

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Installed Equipment

Item	Manufacturer	Model	Serial Number
Engine	Continental Motors	IO-550-N	089988
Engine			689998
Propeller	Hartzell Propellers Inc	PHC-J3YF-1RF	FP5272B
Propeller			
Engine			
Engine			
Propeller			
Propeller			
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Engine			
Propeller			
Propeller			

MAKE: Cirrus
MODEL: SR22
S/N: 2286
REG. NO: N335A
WORK ORDER: 1091

Advanced Aircraft Services LP
500 Airport Rd. Suite D
Litz, PA 17543
Phone: 717-735-5179

DATE: 10/21/2009
A/C TSN: 641.1
HOBBS: 810.5

Airframe Entries

Installed Reiff engine pre-heat system as per manufactures installation instructions.... Serviced the TKS system to specs.... Adjusted the A/O/S scat tubing to prevent vacuuming of the oil from engine.

Maintenance Release

The aircraft and/or component(s) on N335A was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 1091, Dated 10/21/2009.

DATE: 10/21/2009

SIGNED:

James J. Mazzanti, A&P: 2699478

Work Order: 1091

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INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	Teledyne Continental Motors	IO-550-N	R 689998
ENGINE			L
PROPELLER	Hartzell Propeller Inc.	PHC-S34F-1RF	R
PROPELLER			L
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
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PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

Serial Nbr 2288
Item Number SR22-G2

SR22-G2 CONFIGURATION

Status	Trans Date	Cust/supplier	Order	Warehouse	Bin	Lot Number
2 On-Site	12/27/06	Graham Roustan	66374			444621

Level	Component	Serial Nbr	Item Number	Component Description	Rev	Status
1	2288		SR22-G2	SR22-G2 CONFIGURATION		2 On-Site
.2	2288		22-INT-STD	SR22 INTERIOR STANDARD	A	2 On-Site
.3	2288		22-PNT-STD	SR22 PAINT STANDARD	A	2 On-Site
.4	96279246		12717-050	AUDIO PANEL,-----SN	F	2 On-Site
.4	0640-10586AM/AE		13560-002	AUTOPILOT SYSTEM PFD	B	2 On-Site
.4	20128416		14750-011	MFD W/ PRIMARY ENGINE	C	2 On-Site
.4	20111416		15222-005	PRIMARY FLIGHT DISPLAY	L	2 On-Site
.4	2288		22-SFP-STD	SFP, STANDARD ASSEMBLY,	A	2 On-Site
.5	2288		22-FNL-STD	FINAL ASSEMBLY,	A1	2 On-Site
.6	3073		15047-001	ROCKET MOTOR ASSY...SN	G	2 On-Site
.6	02590		15047-003	ACTIVATION ASSEMBLY....SN	G	2 On-Site
.6	2288		15330-INST	PFD INSTRMT PNL ASSY	B	2 On-Site
.6	2288		20/22-BLSTR	BOLSTER PANEL, STANDARD	A	2 On-Site
.6	02590		20331-001	PARACHUTE, SR22 ...S/N	C	2 On-Site
.6	2288		22-MID-STD	MID ASSEMBLY, SR22	A1	2 On-Site
.7	103714		12738-001	ALTITUDE DIGITIZER--S/N	A	2 On-Site
.7	2288		22-CON-STD	CONSOLE ASSEMBLY	A3	2 On-Site
.8	0641-37227AA		12722-001	TRANSDUCER,.....SN	A	2 On-Site
.8	J06-11015		12733-001	TURN COORDINATOR...SN	A	2 On-Site
.8	3446		15496-FSA	FUEL SELECTOR ASSY	D	2 On-Site
.9	3446		17921-001	FUEL SELECTOR VALVE,	B	2 On-Site
.7	2288		HRZ-INST	HORIZONTAL INSTALL	-	2 On-Site
.6	SR22-2288		R8314	CAPS BUCKET GROMMET	C	3 Consumed in WIP
.6	22-2288		RIG-1/2	RIGGING STATION	A4	2 On-Site
.7	4236		10758-107	AILERON ASSY, LH-----S/N	G2	2 On-Site
.7	4231		10758-108	AILERON ASSY, RH-----S/N	G2	2 On-Site
.7	4163		13760-001	ELEVATOR ASSY, LH	B2	2 On-Site
.7	4151		13760-002	ELEVATOR ASSY, RH	B2	2 On-Site
.7	0858		20365-403	RUDDER ASSY	A	3 Consumed in WIP
.2	2288		CNFG-BLSTR-SR22	BOLSTER PLT, SR22 CNFG	A	2 On-Site
.3	458830		12731-003	ALTITUDE INDICATOR	C	2 On-Site
.3	504011194227258		13468-114	ATTITUDE GYRO, ELECTRIC	A	2 On-Site
.3	T49401		13562-002	AIR SPEED INDICATOR	B	2 On-Site
.2	2288		CNFG-CON-SR22	CONSOLE CNFG SR22	A	2 On-Site
.3	816001008		16665-003	XM WEATHER/RADIO	E	2 On-Site
.2	2288		CNFG-ENG-SR22	ENGINE CNFG SR22	A	2 On-Site
.3	689998		14057-006	ENGINE, IO-550-N42B--S/N,	D	2 On-Site
.2	2288		CNFG-FNL-SR22	FINAL CNFG SR22	A	2 On-Site
.3	84401		14477-050	TRC497 TRANSMITTER RECEIV	C	2 On-Site
.2	2288		CNFG-FSA-SR22	CONFIG FUEL SELECTOR	A	2 On-Site
.3	2405		13557-001	INDICATOR, DUAL FUEL QTY	A	2 On-Site
.2	2288		CNFG-FWL/HRZ-SR22	CONFIG FWL & HRZ SR22	A	2 On-Site
.3	56530		12756-401	ELT BOX	A	3 Consumed in WIP
.4	56530		12756-001	ELT SOURCE CONTROL	A	3 Consumed in WIP
.3	2291		14120-403	HORIZONTAL STABILIZER, I	E1	2 On-Site
.3	2288		20116-405	FUSE CLS STRUCT ASS'Y AC	A2	2 On-Site
.4	2288		20115-005	FUSE FLR STRUCT-AC	A2	2 On-Site
.3	2288		FWL-BLD	FIREWALL BUILD-UP	A1	2 On-Site
.4	25SEP06-84		20902-001	CONTROLLER, AAIR	A	3 Consumed in WIP
.2	2288		CNFG-INST-SR22	INSTRUMENT PANEL CNFG SR2	A	2 On-Site
.2	2288		CNFG-INT-SR22	INTERIOR CNFG SR22	A	2 On-Site
.3	5680		15963-001	TAWS, GA-EGPWS LRU	A	3 Consumed in WIP
.3	817001137		16665-502	XM RADIO WIRELESS	E	3 Consumed in WIP
.2	2288		CNFG-MID-SR22	MID-ASS'Y CNFG SR22	A	2 On-Site

09 FEB 07 12PM
INVR6034.1 MATZER

Serial Number Explos Level
Avante 9.2.51 CIRRU5 LIVE DATABASE

Page 2

Serial Nbr 2288
Item Number SR22-G2

SR22-G2 CONFIGURATION

Status	Trans Date	Cust/supplier	Order	Warehouse	Bin	Lot Number
2 On-Site	12/27/06	Graham Roustan	66374			444621

Level	Component	Serial Nbr	Item Number	Component Description	Rev	Status
..3	90828		12745-050	WX-500 PROCESSOR...SN	C	2 On-Site
..3	00879		19910-001	MCU 130	B	2 On-Site
..3	2288		20205-ENG	POWERPLANT, SR22	E	2 On-Site
...4	22-4667		14082-404	NLG ASSY, SR22--S/N	D	2 On-Site
...5	22-4667		14074-004	STRUT WELDMENT,NLG-S/N	D	2 On-Site
...4	061337		15524-001	PROP GOVERNOR ASSY...S/N	A	2 On-Site
...4	1864		16546-001	FRAME, ENGINE MOUNT,-S/N	B	2 On-Site
..3	2284		22-MLG	WING W/MLG, SR22 W/IP	A	2 On-Site
...4	4076		10377-009	FLAP ASSY, LEFT	E	3 Consumed in WIP
...4	4034		10377-010	FLAP ASSY, RIGHT	E	3 Consumed in WIP
...4	26088		15222-102	MAGNETOMETER / OAT...S/N	L	2 On-Site
...4	2284		22-TIP	INSTALL ICE PNLS & WNG T	A1	2 On-Site
...5	2284		22-STR	WING STRUCTURAL ASSY--S/N	A	2 On-Site
...6	2284		22-SPR	MAIN SPAR W/HARDWARE	A	2 On-Site
.2	2288		CNFG-PNT-SR22	PAINT CONFIG SR22	A	2 On-Site
..3	97137554		12718-051	GPS/COM/NAV, GNS 430, 14	G	2 On-Site
..3	97137568		12718-051	GPS/COM/NAV, GNS 430, 14	G	2 On-Site
..3	83726324		13587-050	TRANSPONDER GTX 327, ----	B	2 On-Site
..3	850		16692-002	DATA ACQUISITION UNIT	C	2 On-Site
.2	2288		CNFG-RIG-SR22	RIGGING STATION CONFIG	A	2 On-Site
..3	0640-16677BCDEFHJK		14149-001	KIT, AUTOPILOT PITCH SRVO	D	3 Consumed in WIP
.2	2288		CNFG-SFP-SR22	SFP CNFG SR22	A	2 On-Site
..3	FP5272B		15320-405	PROP, ASS'Y, DE-ICE, DF	G	2 On-Site
...4	FP5272B		14070-007	PROPELLER/MNTG, S/N. . .	G	3 Consumed in WIP

[illegible][illegible]

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Aircraft Registration Profile

12/13/2007

Profile ID: N335A**Created:** 12/7/2007**Changed:** 12/13/2007**Owner/Operator:** KDH Defense Systems Inc.**Contact:****Address:** 401 Broad Street, Johnstown, PA 15906 USA**Phone:****Home Phone:** 757-619-9247**Fax:****Email:****Certificate of Airworthiness Issued:** 12-20-06**Aircraft Registration:** N335A**Comments**

Category:	Air Filter	Location:	ENGINE	
Manufacturer:	Brackett Aircraft	Part Number:	BA-24	
Model:	Any Model	Serial Number:	N/A	
Install:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 0	CSN:
Notes:	ASSY P/N - BA111			

Category:	Airframe	Location:	N/A	
Manufacturer:	Cirrus Design Corp.	Part Number:	SR22	
Model:	SR22	Serial Number:	2288	
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 306.9	CSN:
Notes:	HOBBS - 424.4, FLIGHT - 194.7			

Category:	Alternators	Location:	ENGINE	
Manufacturer:		Part Number:	649304	
Model:		Serial Number:	056JA147	
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 0	CSN:
Notes:	MFG - TCM			

Category:	Engine	Location:	N/A	
Manufacturer:	Teledyne Continental	Part Number:	IO-550-N42	
Model:	IO-550-N	Serial Number:	689998	
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 306.9	CSN:
Notes:	HOBBS - 424.4, FLIGHT - 194.7			

Category:	Fuel Injected System	Location:	ENGINE	
Manufacturer:		Part Number:	653353-8A1	
Model:		Serial Number:	A06JA254	
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 306.9	CSN:
Notes:	MFG - TCM			

Category:	Governors	Location:	ENGINE	
Manufacturer:	McCauley	Part Number:	C290 D3-R/T 23	
Model:		Serial Number:	061337	
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 306.9	CSN:
Notes:	MFG - McCAULEY			

Category:	GPS/NAV/COM	Location:	#1/#2	
Manufacturer:	Garmin International	Part Number:	GNS-430	
Model:	GNS 430	Serial Number:		
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 306.9	CSN:
Notes:				

Category:	Magnetos	Location:	ENGINE	
Manufacturer:	Teledyne Continental	Part Number:	S6RSC-25	
Model:	SC-20 SERIES	Serial Number:	LH-D06KA064/RH-D06K	
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 306.9	CSN:
Notes:	P/N - 10-500556-1			

Category:	Propeller	Location:	N/A	
Manufacturer:	Hartzell Propeller	Part Number:	PHC-J3YF-1RF	
Model:	PHC-J3YF-1	Serial Number:	FP5272B	
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 306.9	CSN:
Notes:	BLADE S/N'S - K46015, K46017, K046023 HOBBS - 424.4, FLIGHT 194.7			

Category:	Safety Belts	Location:	PILOT/CO-PILOT	
Manufacturer:	Am-Safe, Inc.	Part Number:	GNS430	
Model:		Serial Number:	LH-AASI227T/	
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 306.9	CSN:
Notes:	MFG - AM-SAFE			

Category:	Starter	Location:	ENGINE	
Manufacturer:		Part Number:	656181D24V	
Model:		Serial Number:	0024	
Install:	Aircraft Hours: 0	Date: 12/20/2006	TSN: 0	CSN:
Removal:	Aircraft Hours:	Date:	TSN:	CSN:
Current:	Aircraft Hours: 306.9	Date: 12/10/2007	TSN: 306.9	CSN:
Notes:	MFG- TCM			

FAA Airworthiness Directive Compliance Record

469 Airport Road Johnstown, Pennsylvania 15904

814-361-3500

Report Produced By: MTT Aviation
Services, Inc.

Content Revision: 11/30/2007

File ID: N335A

Aircraft Registration: N335A

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Cirrus Design Corp.		Category Airframe		Model SR22		Part #: SR22 Serial #: 2288
2001-25-03 12/17/2001	To detect and replace understrength rivets in the elevator and rudder, which could result in failure, contd.	N/A	N/A BY S/N	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLK</i>	
2002-05-05 3/19/2002	Superseded by 2002-24-08	N/A	SUPERSEDED	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLK</i>	
2002-21-02 11/8/2002	To prevent loss of the self- locking retaining nut on the roll and yaw trim cartridges during flight, which, contd.	N/A	N/A BY S/N	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLK</i>	
2002-24-08 1/24/2003	To prevent failure of the Cirrus Airplane Parachute System (CAPS) activation system in an emergency, contd.	N/A	N/A BY S/N	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLK</i>	
2005-17-19 C 10/13/2005	Superseded by 2006-19-10	N/A	SUPERSEDED	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLK</i>	
2006-07-06 5/11/2006	To detect, correct, & prevent damage to the fuel line and wire bundles, which could result in fuel leaks	N/A	N/A BY S/N	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLK</i>	

©ATP

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FAA Airworthiness Directive Compliance Record

469 Airport Road Johnstown, Pennsylvania 15904
814-361-3500

Report Produced By: MTT Aviation
Services, Inc.

Content Revision: 11/30/2007

File ID: N335A

Aircraft Registration: N335A

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Cirrus Design Corp.		Category Airframe		Model SR22		Part #: SR22 Serial #: 2288
2006-19-10 10/24/2006	To prevent the crew seats from folding forward during emergency landing with dynamic loads with consequent, contd.	N/A	N/A BY S/N	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	
2006-21-03 11/17/2006	To detect, correct, & prevent overheating damage to the brake caliper piston O-ring seals, which could, contd.	N/A	N/A BY S/N	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	
2007-14-03 8/16/2007	To correct pick-up collar support fasteners of the CAPS, which could result in the premature separation, contd.	6/1/2007 90.2	PCW IAW SB A2X-95-10 R2	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	

FAA Airworthiness Directive Compliance Record

469 Airport Road Johnstown, Pennsylvania 15904
814-361-3500

Report Produced By: MTT Aviation
Services, Inc.

Content Revision: 11/30/2007

File ID: N335A

Aircraft Registration: N335A

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Teledyne Continental	Category Engine	Model IO-550-N			Part #: IO-550-N42 Serial #: 689998	
00-00-01 1/22/2001	Important for Cessna Oil Filter Adapter Assemblies listed in AD 98-12-22	N/A	NOTED	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLH</i>	
86-13-04 R3 2/24/1988	TO PREVENT POSSIBLE CYLINDER HEAD TO BARREL SEPARATION, ENGINE FAILURE AND/OR ENGINE COMPARTMENT FIRE	N/A	N/A BY P/N	Recur	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLH</i>	
88-03-06 4/15/1988	TO PREVENT POSSIBLE LOSS OF ENGINE OIL AND SUBSEQUENT ENGINE FAILURE	N/A	N/A BY P/N	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLH</i>	
91-19-03 9/29/1991	TO PREVENT OPERATION WITH COLLAPSED OIL FILTER ELEMENTS, WHICH CAN RESULT IN LOSS OF OIL PRESSURE, CONTD.	N/A	N/A BY DATE CODE	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLH</i>	
93-10-02 8/12/1993	TO PREVENT AN ENGINE FAILURE DUE TO A MISSING CYLINDER VALVE RETAINER KEY	N/A	N/A BY S/N AND DATE	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLH</i>	
96-12-22 7/31/1996	TO PREVENT LOSS OF ENGINE OIL CAUSED BY LOOSE OR SEPARATED OIL FILTER ADAPTERS, WHICH COULD RESULT IN ENGINE, CONTD.	N/A	N/A NOT INSTALLED USING FIELD APPROVAL	Recur	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSLH</i>	

©ATP

Printed 12/13/2007 1:31:17PM

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FAA Airworthiness Directive Compliance Record

469 Airport Road Johnstown, Pennsylvania 15904
814-361-3500

Report Produced By: MTT Aviation
Services, Inc.

Content Revision: 11/30/2007

File ID: N335A

Aircraft Registration: N335A

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Teledyne Continental	Category Engine	Model IO-550-N	Part #: IO-550-N42 Serial #: 689998			
99-09-17 L 4/22/1999	Superseded by 99-19-01	N/A	SUPERSEDED	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSUL</i>	
99-19-01 9/30/1999	To prevent crankshaft failure due to crankshaft cheek cracks, which could result in total engine power loss, contd.	N/A	N/A BY S/N AND DATES	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSUL</i>	
2000-08-51 E 4/28/2000	Superseded by 2000-23-21	N/A	SUPERSEDED	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSUL</i>	
2000-23-21 12/12/2000	To prevent crankshaft connecting rod journal fracture, which could result in total engine power, contd.	N/A	N/A BY S/N AND DATES	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSUL</i>	
2004-08-10 5/5/2004	To prevent loss of engine power due to cracks in the cylinder head & possible engine failure caused, contd.	N/A	N/A NOT STC'D	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSUL</i>	
2007-16-10 8/23/2007	To prevent the turbine rotor from separating from the shaft of the turbocharger due to a machining defect in the, contd.	N/A	N/A NON-TURBO	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RSUL</i>	

©ATP

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FAA Airworthiness Directive Compliance Record


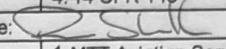
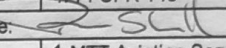
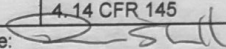
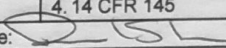
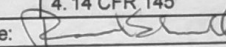
469 Airport Road Johnstown, Pennsylvania 15904
814-361-3500

Report Produced By: MTT Aviation
Services, Inc.

Content Revision: 11/30/2007

File ID: N335A

Aircraft Registration: N335A

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Hartzell Propeller		Category Propeller		Model PHC-J3YF-1		Part #: PHC-J3YF-1RF Serial #: FP5272B
70-02-01 1/1/1970	Superseded by 73-10-03	N/A	SUPERSEDED	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: 	
70-16-03 R 1/1/1970	Superseded by 77-12-06	N/A	SUPERSEDED	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: 	
73-10-03 1/1/1973	Superseded by 77-12-06	N/A	SUPERSEDED	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: 	
74-15-02 1/1/1974	Superseded by 77-12-06	N/A	SUPERSEDED	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: 	
75-07-05 5/1/1977	Superseded by 77-12-06	N/A	SUPERSEDED	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: 	
77-12-06 R(2) 12/21/1977	Superseded by 2002-09-08	N/A	SUPERSEDED	Recur	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: 	

©ATP

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FAA Airworthiness Directive Compliance Record

469 Airport Road Johnstown, Pennsylvania 15904
814-361-3500

Report Produced By: **MTT Aviation
Services, Inc.**

Content Revision: 11/30/2007

File ID: N335A

Aircraft Registration: N335A

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Hartzell Propeller	Category Propeller	Model PHC-J3YF-1	Part #: PHC-J3YF-1RF Serial #: FP5272B			
89-22-05 L 11/16/1989	Superseded by 93-16-14	N/A	SUPERSEDED	Recur	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	
93-16-14 1/5/1994	Superseded by 94-17-13	N/A	SUPERSEDED	Recur	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	
94-17-13 9/15/1994	TO PREVENT POSSIBLE PROPELLER HUB FAILURE DUE TO CRACKS THAT ORIGINATE IN THE GREASE FITTING HOLES ON THE, CONTD.	N/A	N/A BY S/N	Recur	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	
2001-07-03 C 6/4/2001	To prevent propeller failure of the propellers returned to service by BASCO, & possible loss of airplane control	N/A	N/A NO WORK PERFORMED BY LISTED COMPANY	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	
2002-09-08 6/13/2002	To prevent failure of the propeller blade from fatigue cracks in the blade shank radius, which can, contd.	N/A	N/A BY LETTER "R" ON EACH BLADE	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	
2005-14-11 8/17/2005	To prevent blade failure that could result in separation of a propeller blade and loss of control of the airplane	N/A	N/A NO WORK PERFORMED BY LISTED COMPANY	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	

FAA Airworthiness Directive Compliance Record

469 Airport Road Johnstown, Pennsylvania 15904
814-361-3500

Report Produced By: MTT Aviation
Services, Inc.

Content Revision: 11/30/2007

File ID: N335A

Aircraft Registration: N335A

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Brckett Aircraft	Category Air Filter	Model Any Model	Part #: BA-24 Serial #: N/A			
78-25-05 1/1/1978	Superseded by 81-15-03	N/A	SUPERSEDED	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISLIL</i>	
81-15-03 7/20/1981	TO PREVENT POSSIBLE FAILURE OF THE ALUMINUM AIR FILTER RETAINER SCREEN OR GASKETS WITH POTENTIAL, CONTD.	N/A	N/A NOT STC'D	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISLIL</i>	
95-03-02 3/17/1995	Superseded by 96-09-06	N/A	SUPERSEDED	Recur	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISLIL</i>	
96-09-06 6/7/1996	TO PREVENT GASKET PARTICLES FROM ENTERING THE CARBURETOR BECAUSE OF AIR FILTER GASKET FAILURE, WHICH COULD,CONTD.	N/A	N/A BY P/N	Recur	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISLIL</i>	
2002-26-03 2/18/2003	To detect & correct incorrect installation of the air filter, which could result in failure of the air filter	N/A	N/A BY P/N	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISLIL</i>	

FAA Airworthiness Directive Compliance Record

469 Airport Road Johnstown, Pennsylvania 15904
814-361-3500

Report Produced By: MTT Aviation
Services, Inc.

Content Revision: 11/30/2007

File ID: N335A

Aircraft Registration: N335A

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Teledyne Continental		Category Magnetos		Model SC-20 SERIES		Part #: S6RSC-25 Serial #: LH-D06KA064/RH-D06KA
73-07-04 10/11/1973	Superseded by 94-01-03	N/A	SUPERSEDED	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISHL</i>	
74-26-09 12/24/1974	S-20,-200,-1200 SERIES MAGNETOS	N/A	N/A BY P/N	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISHL</i>	
78-09-07 R3 1/17/1983	Superseded by 96-12-07	N/A	SUPERSEDED	Recur	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISHL</i>	
82-20-01 6/14/1983	TO PREVENT FAILURE OF IMPULSE COUPLING DUE TO IMPROPERLY HEAT TREATED (SOFT) FLYWEIGHTS RESULTING IN ENGINE,CONTD.	N/A	N/A BY P/N	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISHL</i>	
94-01-03 R2 6/28/1995	TO PREVENT MAGNETO FAILURE AND SUBSEQUENT ENGINE FAILURE	N/A	N/A BY S/N	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISHL</i>	
94-06-09 5/20/1994	TO PREVENT INJURY OR DEATH TO GROUND PERSONNEL DUE TO A NON-GROUNDED MAGNETO	N/A	N/A BY S/N AND DATES	Once	N/A	1.MTT Aviation Services, 2.Repair Station 3.N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>RISHL</i>	

FAA Airworthiness Directive Compliance Record

469 Airport Road Johnstown, Pennsylvania 15904
814-361-3500

Report Produced By: MTT Aviation
Services, Inc.

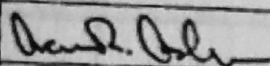
Content Revision: 11/30/2007


File ID: N335A

Aircraft Registration: N335A

FAA AD Number Effective Date	Description	Complied Date Time	Amendment Number Method of Compliance/Applicability	Once or Recur	Next Due Date Time	1. Facility 2. Cert. Type 3. Cert. Num. 4. Author. By
Manufacturer Teledyne Continental		Category Magnetos		Model SC-20 SERIES		Part #: S6RSC-25 Serial #: LH-D06KA064/RH-D06KA
96-12-07 7/18/1996	Superseded by 2005-12-06	N/A	SUPERSEDED	Recur	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	
2005-12-06 7/19/2005	To prevent failure of the magneto impulse coupling assembly and possible engine failure	N/A	N/A BY ENGINE MODEL	Recur	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	
Manufacturer Garmin International		Category GPS/NAV/COM		Model GNS 430		Part #: GNS-430 Serial #:
2001-23-17 12/28/2001	To prevent external noise from causing inaccurate course deviation displays in the GNS 430 unit's course, contd.	N/A	N/A BY P/N	Once	N/A	1. MTT Aviation Services, 2. Repair Station 3. N64R483Y 4. 14 CFR 145
©ATP	©ATP			©ATP	Signature: <i>[Signature]</i>	

[illegible]

D./ Bull #	Item affected	Date & Hrs. at Comp	Method of Comp.	Type of A.D. 1 Time / Recur.	Next Comp. Date/Hrs	Authorized Signature Cert. Number
12/18/06	6.6	Searched AD's through bi-weekly issue <u>2006-25</u> . All AD's are in compliance at this time.				 AP 2769092

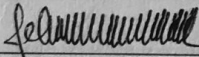
LOGBOOK ENTRY
COMMONWEALTH AVIATION SERVICE, INC

 d/b/a MILLION AIR - RICHMOND


MANUFACTURER Cirrus	
Model: SR22	Date: 6/1/2007
S/N: 2288	W.O.: M070606
Reg #: N335A	ACTT: 90.2
	Flight Hours:

AIRFRAME LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

Complied with SB A2X-95-10 R2, CAPS Pick-up Collar Support Replacement, I/A/W accomplishment instructions. Installed Kit P/N 70181-001.

Signed: 
 Print: John T. Gardner
 Certificate # AP276987565JA
 for
 COMMONWEALTH AVIATION SERVICE, INC.

LOGBOOK ENTRY
COMMONWEALTH AVIATION SERVICE, INC
MILLION AIR

d/b/a MILLION AIR - RICHMOND

MANUFACTURER Cirrus
Model: SR22
S/N: 2288
Reg #: N335A

Date 6/1/2007
W.O.: M070606
ACTT: 90.2
Flight Hours:

AIRFRAME LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

Complied with SB A2X-95-10 R2, CAPS Pick-up Collar Support Replacement,
I/A/W accomplishment instructions. Installed Kit P/N 70181-001.

Signed:

Print:

Certificate #

for
COMMONWEALTH AVIATION SERVICE, INC.

Altimeter & Static System Checks F.A.R. 91.411

Date	Manufacturer	Model	Serial Number	Location	Max Alt	Recheck required	Approved By: Agency Cert. No.
------	--------------	-------	---------------	----------	---------	------------------	-------------------------------

I certify that the altimeter, static system, transponder, and altitude reporter test required by FAR's 91.411, 91.413, & 91.217 have been performed and found within the limits of FAR 43 appendices E & F and AC 43-6B.

TESTED TO 25,000 FEET ON 11/29/06

Transponder: Mfg Garmin P/N 13587-050

Model: GTX-327 S/N 83726324

Encoder: Model ACK P/N A-30 S/N 103714

Altimeter: Mfg Avidyne

(PFD) 15222-005 S/N 2011416

Mfg United P/N 12731-003 S/N 458830

CDC Quality Assurance cdc on 11/29/06

Cirrus Design Corporation Duluth, MN USA

PC# 338CE

CIRRUS SR22 N335A

LANCASTER AVIONICS INC. CRS # LN7R261N

I CERTIFY THAT THE ALTIMETER, ENCODER AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED I/A/W FAR 43 APPENDIX E

UNIT TYPE TESTED TO

#1 ALTIMETER AVIDYNE 18,000FT.

#2 ALTIMETER UNITED 18,000FT.

ENCODER (S) ACK. 18,000FT.

STATIC SYSTEM TEST DATE 11-3-08

SIGN Richard P. Statter DATE 11-3-08

LANCASTER AVIONICS INC

CRS # LN7R261N

CERTIFY THAT THE TRANSPONDER (S) TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED I/A/W FAR 43 APPENDIX F

UNIT TYPE

#1 TRANSP GTX 327

#2 TRANSP N/A

SIGN Richard P. Statter

DATE 11-3-08

Altimeter & Static System Checks F.A.R. 91.411

Date	Manufacturer	Model	Serial Number	Location	Max Alt	Recheck required	Approved By: Agency Cert. No.
------	--------------	-------	---------------	----------	---------	------------------	----------------------------------

8-16-10 CIRRUS SR22 N335A HOBBS=1018.5
ADJUSTED BAROMETRIC SCALE OF UNITED ALTIMETER,
P/N 5934D-3A.258G, S/N 458830. ADJUSTED ALTITUDE
ENCODER; A.C.K, A-30, S/N 103714. ALL WORK WAS
PERFORMED I.A.W. THE MANUFACTURERS' INSTRUCTIONS
AND FAR 91.411 AND PART 43 APPENDIX "E" ——— END

LANCASTER AVIONICS INC

LANCASTER AIRPORT

LITITZ, PA 17543

DATE 8-16-10

CERTIFICATE NO. LN7R291N

SIGNED Richard H. Staller

CIRRUS SR22 N335A
LANCASTER AVIONICS INC. CRS # LN7R261N

LANCASTER AVIONICS INC

I CERTIFY THAT THE ALTIMETER, ENCODER AND
STATIC SYSTEM TESTS REQUIRED BY FAR 91.411
HAVE BEEN PERFORMED I/A/W FAR 43 APPENDIX E

CRS # LN7R261N
CERTIFY THAT THE TRANSPONDER (S)
TEST REQUIRED BY FAR 91.413 HAS BEEN
PERFORMED I/A/W FAR 43 APPENDIX F

UNIT	TYPE	TESTED TO
#1 ALTIMETER	AVIDYNE	18,000'
#2 ALTIMETER	UNITED	18,000'
ENCODER (S)	A. C. K.	18,000'

UNIT	TYPE
# 1 TRANSP	GTX 327
# 2 TRANSP	N/A



LANCASTER AVIONICS, INC

ALTIMETER/STATIC and ENCODER EVALUATION PER FAR 91.411 - FAR 43, APPENDIX 'E'

Customer:		KDH DEFENSE SYSTEMS, INC.		Aircraft Type:	CIRRUS SR22	N#:	N335A
Airmeter	Manufacturer	Part Number	Serial Number		Test Alt	Pilot	Co-Pilot
Pilot	AVIDYNE	EXP5000	20330305		Test Ceiling	18,000	
Co-Pilot	UNITED	57340-3A-2586	158820		System Leak	50 FPM	
Encoder	ACK	A-30	103714		Hysteresis: 50%	9,000	
					40%	7,200	
					After Effect	O	
Error	Pilot	Co-Pilot	Tot	Encoder 125°	Friction		
-1000	+10	-10	20	N/A	-935		
zero	+10	0	20	-30	70	1000	Pilot Tot Co-Pilot
500	+10	0	20	465	565		N/A
1000	+10	+10	20	960	1060	2000	70 30
1500	+10	+10	25	1465	1565	3000	70 15
2000	+10	+15	30	1965	2060	5000	70 20
3000	+10	+20	30	2965	3060	10000	80 25
4000	+10	+15	35	3965	4065	15000	90 40
5000	+10	+5	40	5965	6065	20000	100
6000	+10	-10	60	7965	8065	25000	120
8000	+5	-20	80	9970	10065	30000	140
10000	0	-20	90	11970	12070	35000	160
12000	0	-30	100	13970	14075	40000	180
14000	0	-15	110	15975	16075	50000	250
16000	0	0	120	17980	18080	Pressure - Alt Diff. Tot +/- 25	
18000			130			Pilot Tot Co-Pilot	
20000			140			28.10"	-1725 -1725
22000			155			28.50"	-1340 -1340
25000			180			29.00"	-850 -855
30000			205			29.50"	-380 -390
35000			230			29.92"	+10 +10
40000			255			30.50"	540 +531
45000			280			30.90"	905 +893
50000						30.99"	985 +974
PASS		FAIL					
Pilot Altimeter	X			Technician: Richard A. Haller			
Co-Pilot Altimeter	X			(Signature)			
Encoder	X			Date: 8-16-10			

Altimeter

Date

Manufacturer

Approved By: Agency
Cert. No.

N335A SR22 hobbys 2223.4 FIT. 1903.1
LANCASTER AVIONICS INC. CRS # LN7R261N LANCASTER AVIONICS INC.

I CERTIFY THAT THE ALTIMETER, ENCODER AND
STATIC SYSTEM TESTS REQUIRED BY FAR 91.411
HAVE BEEN PERFORMED I/A/W FAR 43 APPENDIX E

UNIT	TYPE	TESTED TO
# 1 ALTIMETER	Avidyne	18,000
# 2 ALTIMETER	United	18,000
ENCODER (S)	Acc	18,000
STATIC SYSTEM TEST DATE	6-14-16	
SIGN	DATE 6-14-16	

CRS # LN7R261N

I CERTIFY THAT THE TRANSPONDER (S)
TEST REQUIRED BY FAR 91.413 HAS BEEN
PERFORMED I/A/W FAR 43 APPENDIX F

UNIT	TYPE
#1 TRANSP	GTX 327
# 2 TRANSP	N/A
SIGN	DATE 6-14-16

N335A SR22 hobbys 2446.0 FIT. 2277.5
LANCASTER AVIONICS INC. CRS # LN7R261N LANCASTER AVIONICS INC.

I CERTIFY THAT THE ALTIMETER, ENCODER AND
STATIC SYSTEM TESTS REQUIRED BY FAR 91.411
HAVE BEEN PERFORMED I/A/W FAR 43 APPENDIX E

UNIT	TYPE	TESTED TO
# 1 ALTIMETER	Avidyne	18,000
# 2 ALTIMETER	Unitec	18,000
ENCODER (S)	Acc	18,000
STATIC SYSTEM TEST DATE	6-18-18	
SIGN	DATE 6-18-18	

CRS # LN7R261N

I CERTIFY THAT THE TRANSPONDER (S)
TEST REQUIRED BY FAR 91.413 HAS BEEN
PERFORMED I/A/W FAR 43 APPENDIX F

UNIT	TYPE
#1 TRANSP	GTX 327
# 2 TRANSP	N/A
SIGN	DATE 6-18-18

Altitude & Static System

Date: _____ Manufact: _____ Model: _____ Serial: _____

flyADVANCED

530 Airport rd. Lititz, PA. 17543
CRS# 6TZR901C

I certify that the ATC transponder tests and inspections required by FAR 91.413, and data correspondence between automatically reported pressure altitude data and the pilot's altitude reference required by FAR 91.217 have been found to be within the specified limits of CFR 43 appendices F, up to the specified altitude. Next certification is due **02/28/2022**, or when otherwise required.

Transponder: Make: **Garmin** Model: **GTX335** S/N: **3EE020283**
Encoder: Make: **ACK** Model: **A-30** S/N: **103714**
PFD: Make: **Avidyne** Model: **EXP5000** S/N: **20330305**
Altimeter: Make: **United** Model: **5934AD-3** S/N: **458830**

Signature: _____ Date: **14-Feb-20**
Form Number: FA17 Revision Number: Original Revision Date: 9/22/2016

flyADVANCED

530 Airport rd. Lititz, PA. 17543
CRS# 6TZR901C

I certify that the altimeter system and altitude reporting equipment tests and inspections required by FAR 91.411 and data correspondence between automatically reported pressure altitude data and the pilot's altitude reference required by FAR 91.217 have been found to be within the specified limits of CFR 43 appendices E, up to the specified altitude. Next certification is due **02/28/2022**, or when otherwise required.

Transponder: Make: **Garmin** Model: **GTX335** S/N: **3EE020283**
Encoder: Make: **ACK** Model: **A-30** S/N: **103714**
PFD: Make: **Avidyne** Model: **EXP5000** S/N: **20330305**
Altimeter: Make: **United** Model: **5934AD-3** S/N: **458830**

Signature: _____ Date: **14-Feb-20**
Form Number: FA18 Revision Number: Original Revision Date: 9/22/2016

24 MONTH ALTIMETER & TRANSPONDER CERTIFICATION

flyADVANCED

530 AIRPORT ROAD
LITITZ, PA. 17543
717-735-5179

CRS# 6TZR901C

Aircraft Registration	N335A	#1 ADC / Altimeter PIN	647-000
Aircraft Model	5222	#1 ADC / Altimeter S/N	20330305
Work Order	2288	#2 ADC / Altimeter PIN	5934AD-3
Pressure Test Unit S/N	2824-002-3046	#2 ADC / Altimeter S/N	458830
ATC Test Unit S/N	80632	#3 ADC / Altimeter PIN	N/A
#1 Encoder PIN	1000000000	#3 ADC / Altimeter S/N	N/A
#1 Encoder S/N	42 A-30	#1 Transponder PIN	647-000
#2 Encoder PIN	02714	#1 Transponder S/N	103714
#2 Encoder S/N	458830	#2 Transponder PIN	20330305
		#2 Transponder S/N	458830

Appendix E to Part 43—Altimeter System Test and Inspection

(a) Static Pressure System

STATIC SYSTEM	PTOT SYSTEM	WDC
Free of Blockage	Free of Blockage	Prost Rest Function
Leak Check	Leak Check	Altimeter Static
Pass	Pass	Pass

(b) Altimeter

Altitude (feet)	Transducer (feet)	ADC / Altimeter		
		#1	#2	#3
-1,000	±20	10	15	N/A
0	±20	10	15	N/A
500	±20	10	15	N/A
1,000	±20	10	15	N/A
1,500	±20	10	15	N/A
2,000	±20	10	15	N/A
2,500	±20	10	15	N/A
3,000	±20	10	15	N/A
4,000	±20	10	15	N/A
5,000	±20	10	15	N/A
6,000	±20	10	15	N/A
8,000	±20	10	15	N/A
10,000	±20	10	15	N/A
12,000	±20	10	15	N/A
14,000	±20	10	15	N/A
16,000	±20	10	15	N/A
18,000	±20	10	15	N/A
20,000	±20	10	15	N/A
22,000	±20	10	15	N/A
24,000	±20	10	15	N/A
26,000	±20	10	15	N/A
28,000	±20	10	15	N/A
30,000	±20	10	15	N/A
32,000	±20	10	15	N/A
34,000	±20	10	15	N/A
36,000	±20	10	15	N/A

(c) Automatic Pressure Altitude Reporting

Transponder change point	Primary Altimeter Reading		Pass/Fail (1725.0)	
	1	2	1	2
2,400 → 3,000	2,400	N/A	Pass	Pass
17,400 → 18,000	17,400	N/A	Pass	Pass
24,800 → 25,000	24,800	N/A	Pass	Pass
29,800 → 30,000	29,800	N/A	Pass	Pass
34,800 → 35,000	34,800	N/A	Pass	Pass

(d) Barometric Scale Error (E-28)

Pressure (inHg)	Calibrated Reading	Actual Reading	Variance	Pass/Fail
29.92	12.75	12.75	0	Pass
29.92	12.75	12.75	0	Pass
29.92	12.75	12.75	0	Pass
29.92	12.75	12.75	0	Pass
29.92	12.75	12.75	0	Pass
29.92	12.75	12.75	0	Pass
29.92	12.75	12.75	0	Pass
29.92	12.75	12.75	0	Pass
29.92	12.75	12.75	0	Pass
29.92	12.75	12.75	0	Pass

(e) Friction

Altitude (feet)	Pressure (inHg)	Change
1,000	±10	20
2,000	±10	20
3,000	±10	20
4,000	±10	20
5,000	±10	20
6,000	±10	20
7,000	±10	20
8,000	±10	20
9,000	±10	20
10,000	±10	20
11,000	±10	20
12,000	±10	20
13,000	±10	20
14,000	±10	20
15,000	±10	20
16,000	±10	20
17,000	±10	20
18,000	±10	20
19,000	±10	20
20,000	±10	20
21,000	±10	20
22,000	±10	20
23,000	±10	20
24,000	±10	20
25,000	±10	20
26,000	±10	20
27,000	±10	20
28,000	±10	20
29,000	±10	20
30,000	±10	20

(f) After Effect (E-30)

Unit tested	Before	After	Change
#1	12.75	12.75	0
#2	12.75	12.75	0
#3	12.75	12.75	0

(g) Case Leak

Pass/Fail	#1	#2	#3
Pass	Pass	Pass	Pass

All tests of Appendix E to Part 43 that are required for this system, are found to be within the specified limits.

Signature: _____ Date: **2-14-2020**

Appendix F to Part 43—ATC Transponder Tests and Inspections

PL413 MODE S TRANSPONDER CERTIFICATION

Test	Result
(a) MODE S FREQUENCY 1090 ± 1 MHz	Pass
(b) SUPPRESSION REPLY: < 1% when PPR = PPR	Pass
(c) SUPPRESSION REPLY: < 1% when PPR = PPR	Pass
(d) RECEIVER SENSITIVITY: > 80% when PPR is 80% less than PPR	Pass
(e) RECEIVER SENSITIVITY: > 80% when PPR is 80% less than PPR	Pass
(f) RECEIVER SENSITIVITY: > 80% when PPR is 80% less than PPR	Pass
(g) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(h) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(i) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(j) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(k) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(l) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(m) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(n) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(o) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(p) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(q) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(r) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(s) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(t) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(u) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(v) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(w) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(x) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(y) MODE S ALL CALL: verify reply to all call positions on reply	Pass
(z) MODE S ALL CALL: verify reply to all call positions on reply	Pass

PL413 MODE G TRANSPONDER CERTIFICATION

Test	Result
(a) MODE G FREQUENCY 1090 ± 1 MHz	Pass
(b) SUPPRESSION REPLY: < 1% when PPR = PPR	Pass
(c) SUPPRESSION REPLY: < 1% when PPR = PPR	Pass
(d) RECEIVER SENSITIVITY: > 80% when PPR is 80% less than PPR	Pass
(e) RECEIVER SENSITIVITY: > 80% when PPR is 80% less than PPR	Pass
(f) RECEIVER SENSITIVITY: > 80% when PPR is 80% less than PPR	Pass
(g) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(h) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(i) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(j) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(k) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(l) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(m) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(n) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(o) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(p) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(q) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(r) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(s) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(t) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(u) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(v) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(w) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(x) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(y) MODE G ALL CALL: verify reply to all call positions on reply	Pass
(z) MODE G ALL CALL: verify reply to all call positions on reply	Pass

All tests of Appendix F to Part 43 that are required for this system, are found to be within the specified limits.

Signature: _____ Date: **2-14-2020**

12/14/2011



LANCASTER AVIONICS, INC.

Static, Altimeter (3), Encoder Evaluation Per FAR 91.411 - FAR 43, Appendix 'E'

Date

Customer: <u>Advanced Aircraft</u>				Aircraft Type: <u>Cirrus</u>				NR: <u>335A</u>			
Altitude	Manufacturer	Part Number	Serial Number	Test Ceiling	Test Alt	Pilot	Stby	Co-Pilot	Diff	Diff	Diff
Pilot	<u>Avidyne</u>	<u>700-0006-000</u>	<u>20331825</u>	System Leak	<u>N/A</u>						
Standby	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	Hysteresis	50%	<u>10,000</u>	<u>N/A</u>	<u>N/A</u>	<u>+/- 75</u>	<u>50</u>	<u>30</u>
Co-Pilot	<u>Waco</u>	<u>5934AD-3</u>	<u>458830</u>	40%	<u>8,000</u>				<u>+/- 75</u>	<u>30</u>	<u>30</u>
Encoder	<u>ACK</u>	<u>A-30</u>	<u>103714</u>	After Effect	<u>0</u>				<u>+/- 30</u>	<u>30</u>	<u>30</u>

Error	Pilot	Standby	Co-Pilot	Tol	Encoder 125'	Friction	Pilot	Stby	Co-Pilot	Tol
-1000	-10	N/A	-10	20	N/A	-860				
zero	-10		-10	20	-60	160	1000	N/A	N/A	70
500	-10		-10	20	460	550	2000			70
1000	-10		-10	20	850	1050	3000			70
1500	-10		-10	25	1450	1550	5000			70
2000	-10		-10	30	1950	2050	10000			80
3000	-10		-10	30	2950	3050	15000			90
4000	-10		-10	35	3950	4050	20000			100
6000	-10		-10	40	5950	6050	25000			120
8000	-20		-20	60	7950	8050	30000			140
10000	-20		-20	80	9950	10050	35000			160
12000	-20		-20	90	11950	12050	40000			180
14000	-20		-20	100	13950	14050	50000			250
16000	-20		-20	110	15950	16050				
18000	-20		-20	120	17940	18040				
20000	-20		-20	130	19940	20040				
22000				140						
25000				155						
30000				180						
35000				205						
40000				230						
45000				255						
50000				280						

Pressure - Alt Diff. Tol +/- 25	Pilot	Stby	Co-Pilot	Tol
28.10"	-1220	N/A	-1220	-1727
28.50"	-1330		-1330	-1340
29.00"	-860		-860	-603
29.50"	-385		-385	-392
29.92"	0		0	2670
30.50"	540		540	+531
30.90"	960		960	+893
30.99"	975		975	+974

Pilot Altimeter	K	
Standby Altimeter	N/A	
Co-Pilot Altimeter	X	
Encoder	X	

Technician: James Good
 Date: 7-27-2012

Lancaster Avionics Inc.
 500-U Airport Rd.
 Lititz, PA 17543

www.lancasteravionics.com
 CRS# LN7R261N

(717)569-1953 Phone
 (717)569-1722 Fax

LANCASTER AVIONICS INC
 # LN7R261N

STATIC SYSTEM TESTS REQUIRED BY FAR 91.411
 HAVE BEEN PERFORMED I/A/W FAR 43 APPENDIX E
 UNIT TYPE TESTED TO
 #1 ALTIMETER Avidyne PFD 20,000
 #2 ALTIMETER Waco 20,000
 ENCODER(S) ACK A-30
 STATIC SYSTEM TEST DATE 7/27/12
 SIGN DATE 7/27/12

CERTIFY THAT THE TRANSPONDER (S)
 TEST REQUIRED BY FAR 91.413 HAS BEEN
 PERFORMED I/A/W FAR 43 APPENDIX F
 UNIT TYPE
 #1 TRANSP Garmin GTX327
 #2 TRANSP N/A
 SIGN Mark J. Good
 DATE 7/27/12

FLT Time: 1190.3

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
 LOG ID# 3222 22-May-2013 WO# 18122/1 AC TT 1659.4 HOBBS 1659.4
 N335A S/N 2288 CIRRUS DESIGN CORP. SR22
 FLIGHT TIME 1397.2

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**** ITEM # 18122-1 REPAIR AVIDYNE MFD ****
 DISCREPANCY: MFD DISPLAY WENT BLANK FOR 3- 4 MIN. THEN CAME BACK ON WITH NUMEROUS ERROR MESSAGES.
 Model: EXP5000 Serial#: 20330305
 ACTION: OPS CHECKED MFD OPERATION IN AIRCRAFT. COULD NOT DUPLICATE REPORTED MALFUNCTION. CHECKED AND
 INSPECTED MFD WIRING HARNESS. WIRING HARNESS CHECKS GOOD. MFD OPERATION RAMP CHECKS GOOD.

James Good
 CRS# LN7R261N JAMES GOOD

1. Approving National Aviation Authority/Country: FAA/United States		2. Form Tracking Number: 9022022	
3. Organization Name and Address: Avidyne Corporation, 710 North Drive Melbourne FL 32934 (Phone: 321.751.8411 Fax: 321.751.8435)			
4. Item:		5. Work Order/Contract/Invoice Number: 9022022	
6. Description:	7. Part Number:	8. Eligibility:	9. Quantity:
1. Multi-Function Display	700-00004-008	N/A	1
10. Serial/Batch Number:		11. Status/Work:	
20128416		Repaired	
12. Remarks:			
1. Repaired and tested in accordance with Repair Manual 600-00130-004 and Temporary Revision Sheet 605-00130-000 with full details held within Returned Material Authorization 9022022. 2. Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that order the component is considered ready for release to service under EASA.145.6138.			
14. Certifies the item identified above were manufactured in conformity to:		15. 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13	
<input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data 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.	
16. Authorized Signature:		17. Approval/Certificate No.: 1VAR161B	
18. Date (m/d/y):		19. Date (m/d/y): Jul/29/2013	
20. Name (Typed or Printed): Maurice Lynn Shomgard Jr.		21. Name (Typed or Printed):	
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 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. FAA Form 8130-3 (6-01) *Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005			

Next
Check
Due

Checked By:
Signature Cert. No.

LN7R261N

Pg 1 / 1

OR AVIDYNE FACTORY
CHECKS GOOD. WORK

CIRRUS SR22 N335A FLIGHT=1519.2 HOBBS=1919.5

LANCASTER AVIONICS INC. CRS # LN7R261N

LANCASTER AVIONICS INC

CRS # LN7R261N

CERTIFY THAT THE ALTIMETER, ENCODER AND
STATIC SYSTEM TESTS REQUIRED BY FAR 91.411
HAVE BEEN PERFORMED I/A/W FAR 43 APPENDIX E
UNIT TYPE TESTED TO
#1 ALTIMETER AVIDYNE 25,000'
#2 ALTIMETER UNTESTED 25,000'
ENCODER(S) A.C.K. 25,000'
STATIC SYSTEM TEST DATE 7-29-14
SIGN Richard H. Hatter DATE 7-29-14

CERTIFY THAT THE TRANSPONDER (S)
TEST REQUIRED BY FAR 91.413 HAS BEEN
PERFORMED I/A/W FAR 43 APPENDIX F
UNIT TYPE
#1 TRANSP GTX 327
#2 TRANSP N/A
SIGN Richard H. Hatter
DATE 7-29-14

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
LOG ID# 3643 22-October-2014 WO# 19378/1 AC TT 1984.5 HOBBS 1984.5
N335A S/N 2288 CIRRUS DESIGN CORP. SR22
FLIGHT TIME 1689.4

Pg 1 / 1

**** ITEM # 19378-1 STATIC NOISE IN REAR HEADSET ****
DISCREPANCY: STATIC NOISE IN REAR HEADSET.
ACTION: OPS CHECKED AND CONFIRMED FAULT. CLEANED MIC AND PHONE JACKS ON ALL STATIONS. CLEANED MIC
AND PHONE PLUGS ON DAVID-CLARK HEADSET. FINAL CHECKS GOOD.

CRS# LN7R261N SCOTT KUHNS

3-26-15 Hobbs: 2023.5

FLIGHT: 1611.9 + 112.2

CIRRUS SR 22 N335A

REPAIR XM WEATHER DATA INP by
CREATING valid USER ACCOUNT AND REFRESH
XM DATA RECEIVER AND VERIFY CORRECT OPERATION
REF. W/O 19742

LANCASTER AVIONICS INC
LANCASTER AIRPORT
LITITZ, PA 17543
DATE 3-26-15
CERTIFICATE NO. LN7R261N
SIGNED James Wood

N335A Page ____

Radio & Electronic Checks

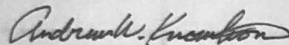
Date	Total Time	Equipment Checked	Type of Check	Error or Results	Next Check Due	Checked By: Signature Cert. No.
------	------------	-------------------	---------------	------------------	----------------	------------------------------------

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
LOG ID# 4083 12-January-2016 WO# 20620/1 HOBBS 2177.9
N335A S/N 2288 CIRRUS DESIGN CORP. SR22 TACH 1862.1

Pg 1 / 1

**** ITEM # 20620-1 REPAIR #2 GPS ****

DISCREPANCY: #2 GPS HAS FOLLOWING ERROR MESSAGES: "RAIM NA", "INTEG" & "POOR GPS COVERAGE".
ACTION: Repaired intermittent #2 GPS by reattaching GPS antenna to underside of glareshield.
(Antenna had fallen down).

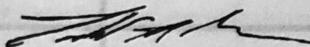


Andrew W. Knowlton

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
LOG ID# 5438 02-August-2018 WO# 23260
N335A S/N 2288 CIRRUS DESIGN CORP. SR22

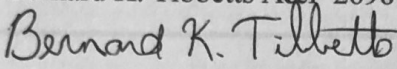
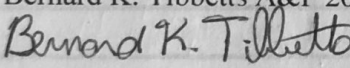
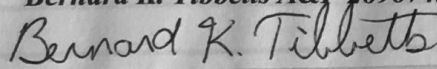
Pg 1 / 1

Removed Garmin GTX327 Transponder. Installed Garmin GTX335 Transponder IAW STC# SA01714WI and Comant CI105-9 Antenna. Inserted GTX335/ADS-B Flight Manual Supplement in POH. All work was accomplished IAW AC43.13-1B/-2B Chapters 2 & 3, and appropriate manufacturer's IM's. GTX335 system was functionally tested and was found to perform its intended function with no adverse effects on other aircraft systems. TESTED GARMIN GTX335 TRANSPONDER FOR ADS-B COMPLIANCE. SYSTEM WAS FOUND TO COMPLY WITH AC20-165 and 14 CFR 91.225 & 91.227. Validated that the previous installation of the #1 Garmin GNS430 installed IAW with Garmin instructions and was approved for GPS IFR Enroute, Terminal, & Non-Precision Approach operations. Verified this aircraft and all interfaced equipment are covered under the AML for STC# SA01933LA and Garmin 400w/500w Series Upgrade Manual p/n 190-00357-06 Rev B (or later) per TSO-C146a. The GNS430 was removed and sent to Garmin for upgrade. Had GA56 Antenna removed and Cirrus WAAS Antenna Kit installed by Advanced Aircraft Services. The existing location of this GNS430w was found to be outside prescribed "Acceptable view" however Avidyne PFD provides required annunciation. The existing wiring and shielding was inspected and determined to be IAW the STC data. Verified all existing interfaces to be in compliance the 400w/500w Series Upgrade Manual and operating as intended. Verified any new interfaces to be in compliance with the Garmin 400w Series IM p/n 190-00356-02 Rev B (or later) and operating as intended. Inserted new GNS430w FMS FAA Approved date into AFM. Updated the aircraft Equipment List. Inserted Garmin supplied Instructions for Continued Airworthiness p/n 190-00356-65 in the aircraft records. All wiring/cabling used for installation purposes meets or exceeds the following specifications: (M17/29, and/or M17/60) - coax; (M22759, M27500, and/or M81044) - wire. All circuit breakers used for installation purposes were of the Klaxon, Potter/Brumfield, and/or Mechanical Products variety. All of the above installed equipment was functionally tested and was found to perform its intended function with no adverse effects on other aircraft systems. Weight and Balance change negligible. Equipment list revised.




Todd Adams

Maintenance Record F.A.R. 43.9

Date of comp.	Aircraft Time in service	Description of Work Performed or Approved Data Used	Agency & Certificate No. work performed / returned to service
<p>Date: 01/04/07 Flight hours 12.0 Hobbs Time 17.2 Hrs Cirrus SR22 S/N 2288 Registration # N335A</p> <p>1. Aircraft shimmy's on landing and take-offs. Performed nose landing gear Inspection check IAW Cirrus Sr-22 maintenance manual Ch 32-20. Tightened Nose landing gear spindle nut to achieve 25lbs of turning force. Installed cotter pin at spindle nut. Reinstalled nose landing gear fairing.</p> <p><i>The Maintenance Operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed; this aircraft is approved for return to service.</i></p> <p style="text-align: right;">Bernard K. Tibbetts A&P 2698743 </p>			
<p>Date: 02/08/07 Hobbs Time: 19.7 Hrs: Flt Hours: 13.2 Hrs Cirrus SR22 S/N 2288 Registration # N335A</p> <p>1. Complied with Avidyne Service Bulletin #601-00004-074 EX5000 software upgrade. 530-00180-100 software Rev 00 upgraded to 530-00180-100 Rev 03. Performed setup and checkout procedures using MFD installation manual to verify proper operation of the MFD.</p> <p><i>The Maintenance Operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed; this aircraft is approved for return to service.</i></p> <p style="text-align: right;">Bernard K. Tibbetts A&P 2698743 </p>			
<p>Date: 6/12/07 Hobbs Time 105.1Hrs Flight Hrs 84.3 Cirrus SR22 S/N 2288 Registration # N335A</p> <p>1. Completed 50 hour Inspection in accordance with Cirrus SR22 Maintenance Manual chapter 5-20, 5-30, and TCM instructions.</p> <p>2. Drained engine oil, removed and cut oil filter, inspected for debris - none found, replaced filter P/N CH48108-1 and serviced with 7 qts Aeroshell 15W50 oil.</p> <p>3. Removed, cleaned, & inspected gascolator screen.</p> <p>4. Inspected all engine hoses, lines, wires, accessories, baffling, mounts & hardware, all engine control systems for proper attachment, security, and proper operation.</p> <p>5. Inspected brakes. No discrepancies found.</p> <p>6. Cleaned engine and leak check performed with no leaks.</p> <p><i>I certify this Aircraft has been inspected in accordance with 50 hour inspection and was determined to be in airworthy condition.</i></p> <p style="text-align: right;">Bernard K. Tibbetts A&P 2698743 </p>			

Maintenance Record F.A.R. 43.9

Date of comp.	Aircraft Time in service	Description of Work Performed or Approved Data Used	Agency & Certificate No. w performed / returned to service				
<p>Date: 7/23/07 Hobbs Time 156.0Hrs Flight Hrs 103.1 Cirrus SR22 S/N 2288 Registration # N335A</p> <ol style="list-style-type: none"> Completed 50 hour Inspection in accordance with Cirrus SR22 Maintenance Manual chapter 5-20, 5-30, and TCM instructions. Drained engine oil, removed and cut oil filter, inspected for debris - none found, replaced filter P/N CH48108-1 and serviced with 7 qts Aeroshell 15W50 oil. Removed, cleaned, & inspected gascolator screen. Inspected all engine hoses, lines, wires, accessories, baffling, mounts & hardware, all engine control systems for proper attachment, security, and proper operation. Inspected brakes. No discrepancies found. Cleaned engine and leak check performed with no leaks. <p><i>I certify this Aircraft has been inspected in accordance with 50 hour inspection and was determined to be in airworthy condition.</i></p> <p>Bernard K. Tibbetts A&P 2698743</p> <p><i>Bernard K. Tibbetts</i></p>							
8-17-07	202.5	<p>R&R FLIGHT TIMER w/NEW P/N 50485-001</p> <p>REF W/O 0708-3 Ref JMSH CRS N64R483Y</p> <p>REMOVAL TIME 112.2 - END -</p>					
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>AVIATION SERVICES</p> </div> <div style="text-align: right;"> <p>469 Airport Road, Johnstown PA 15904 Phone: 814-361-3500 Fax: 814-361-3498</p> </div> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Registration: N335A</td> <td style="width: 25%;">Hobbs: 259.4</td> <td style="width: 25%;">W/O: 0709-8</td> <td style="width: 25%;">Date: 9/14/07</td> </tr> </table> <p style="text-align: center;">Flight: 43.8</p> <ol style="list-style-type: none"> Completed Cirrus 50 Hr. Insp Items IAW MM Changed oil, 15w50, and Filter, CH48108-1. Run up and leak ck ok IAW MM <p><i>I certify the above, described maintenance is airworthy and approved for return to service. See Work Order referenced for additional details.</i></p> <p>Signature: <i>Vincent W. W. W.</i> Certificate: CRS # N64R483Y</p>				Registration: N335A	Hobbs: 259.4	W/O: 0709-8	Date: 9/14/07
Registration: N335A	Hobbs: 259.4	W/O: 0709-8	Date: 9/14/07				

Maintenance Record F.A.R. 43.9

Date of comp.	Aircraft Time in service	Description of Work Performed or Approved Data Used	Agency & Certificate No. work performed / returned to service
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AVIATION SERVICES

469 Airport Road, Johnstown PA 15904
Phone: 814-361-3500 Fax: 814-361-3498

Registration: N335A	Time: 145.6 Flight	W/O: 0711-1	Date: 11-5-2007
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SR22, S/N 2288
Installed Airwolf Filter Corp. air/oil separator kit P/N AFC-W347-A IAW STC SA02268CH. R&R LH Nav. Light filament w/new.

I certify the above, described maintenance is airworthy and approved for return to service. See Work Order referenced for additional details.

Signature: [Signature] Certificate: CRS # N64R483Y



AVIATION SERVICES

469 Airport Road, Johnstown PA 15904
Phone: 814-361-3500 Fax: 814-361-3498

Registration: N335A	Hobbs: 381.4	W/O: 0711-3	Date: 7/14/2007
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Flight: 161.7

Performed Adjustment/Test Nose Wheel Fork Assembly IAW MM 32-20

I certify the above, described maintenance is airworthy and approved for return to service. See Work Order referenced for additional details.

Signature: [Signature] Certificate: CRS # N64R483Y



AVIATION SERVICES

469 Airport Road, Johnstown PA 15904
Phone: 814-361-3500 Fax: 814-361-3498

Registration: N335A	Time: TT 306.9	W/O: 0712-4	Date: 12-14-2007
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Flight Hobbs: 194.7, Hobbs: 424.4

Performed Annual Inspection IAW Cirrus Inspection guide 05-20. AD's C/W thru 2007-24 Biweekly. Compliance record provided in aircraft logs. AD 2007-14-03 (CAPS pick up collar) PCW on 6-1-07 @ 90.2 IAW Cirrus SB A2X-95-10-R2. C/W ELT inspection and test IAW 91.207D, battery expires 03/2013. C/W SA 06-06 MCU scheduled maintenance. Serviced TKS reservoir. R&R LH & RH main tires w/new Goodyear Flight Custom III 15x6x6. R&R LH & RH brake caliper o-rings w/new M8346/1-222. R&R co-pilot map light socket w/new. R&R flight timer switch w/new 14128-001. R&R LH & RH entry step anti-slip treads w/new. R&R induction air filter element w/new BA-24. Serviced gascolator fuel filter and bowl. Inspected engine mount weldment and lower attach fittings, verified torque. Inspected and weighed fire extinguisher. Serviced control quadrant. Performed inspection of roll trim cartridge. Bled and serviced brake system. R&R FWD RH baffling w/new 15487-004. Updated POH with latest revisions as of 12-14-07. Safety, FOD, leak and functional checks - good.

This Aircraft has been inspected in accordance with an Annual inspection and is approved for return to service. Further details are on file under work order referenced above.

Signature: [Signature] Certificate: CRS # N64R483Y

Maintenance Record F.A.R. 43.9

Date of comp.	Aircraft Time in service	Description of Work Performed or Approved Data Used	Agency & Certificate No. w performed / returned to service
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AVIATION SERVICES

469 Airport Road, Johnstown PA 15904
Phone: 814-361-3500 Fax: 814-361-3498

Registration: N335A	Time: 231.0 Flight	W/O: 0709-5	Date: 3/17/08
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SR22, S/N 2288 Hobbs 457.2/Flight 231.0
R&R S-TEC Autopilot Computer w/serviced unit. On: P/N 01192-34-61T-30, S/N 0611-9544, Off S/N 0640-10586.
Performed installation and adjustment and test IAW Cirrus M/M 22-11, page 3. Serviced TKS Reservoir w/1.5 Gal. TKS Fluid.

I certify the above, described maintenance is airworthy and approved for return to service. See Work Order referenced for additional details.

Signature: [Signature] Certificate: CRS # N64R483Y



AVIATION SERVICES, INC.

469 Airport Road, Johnstown PA 15904
Phone: 814-361-3500 Fax: 814-361-3498

Registration: N335A	Time: 365.2 TT	W/O: 0803-11	Date: 3/31/2008
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SR22, S/N 2288, Flight Hobbs 253.0

C/W AD 2008-03-16, Amend. 39-15367 - effective date 3/11/2008 by installation of Rudder/Aileron Interconnect Kit # 70197-001 IAW Cirrus SB 2X-27-14 R3.

I certify the above, described maintenance is airworthy and approved for return to service. See Work Order referenced for additional details.

Signature: [Signature] Certificate: CRS # N64R483Y



GRIFFING FLYING SERVICE, INC.

3115 CLEVELAND ROAD, SANDUSKY, OHIO
419-626-5161

5/16/2008 N335A HOBBS _____ TACH _____ ELT _____
TTAF _____ ALT/TRANSPONDER _____
INSTALLED NEW NOSE TIRE AND TUBE.

[Signature] AP282628026

Maintenance Record FAR 43.9
Inspection Record F.A.R. 43.11-91.409

Date	Aircraft Time in service	Kind of Inspection - Status & Discrepancy List Signature - Cert. No. of Person Approving or Dissapproving Aircraft for service
8/25/08		<p align="center"><i>WORK Performed.</i></p> <p>Removed #2 Garmin 430 SN 97131975 PMod # 689 From Rack. Installed New Garmin GNS 430 SN 97127204 PN 011-00280-10 OPS Check O.K. Flight Time 352.5 Hobbs 596.3 <i>W. Kuhn</i> A+B 2960804</p>

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
 LOG ID# 1615 12-September-2008 WO# 13980 AC TT 598.5 HOBBS 598.5
 N335A S/N 2288 CIRRUS DESIGN CORP. SR22

**** ITEM # 13980-1 REPAIR PFD - AVIDYNE WARRANTY ****
 DISCREPANCY: REPORTED: PFD X'D OUT. HAS MESSAGE, WILL NOT ALIGN, NO COMM WITH MAGNETOMETER.
 Model: EXP5000 Part#: 700-00006-000 Serial#: 20111416
 ACTION: 09/02/08 - OPS CHECKED AND VERIFIED FAULT. REMOVED FAULTY PFD, S/N 20111416 FROM AIRCRAFT AND ORDERED A WARRANTY EXCHANGE PFD.
 09/12/08 - INSTALLED WARRANTY EXCHANGE PFD, S/N 28513495. PERFORMED SETUP CONFIGS AND MAGNETOMETER CALIBRATION.

**** ITEM # 13980-2 UPDATE GNS430 SOFTWARE ****
 DISCREPANCY: UPDATE SOFTWARE ON BOTH GNS430'S.
 ACTION: UPDATED MAIN SOFTWARE FROM V5.01 TO V5.03. GPS SOFTWARE IS CURRENT AT V3.03.

CRS# LN7R261N

SCOTT KUHN

9/12/08
 Date

MAKE: Cirrus
 MODEL: SR22
 S/N: 2288
 REG. NO: N335A
 WORK ORDER: 762

Advanced Aircraft Services LP
 500 Airport Rd. Suite D
 Lititz, PA 17543
 Phone: 717-735-5179

DATE: 10/17/2008
 AC TSN: 499.5
 HOBBS: 629.2

Airframe Entries

Reworked the Air/oil separator by relocating the ram air tube and relocating the drain line to the push tube for better drain of oil.... Adjusted the prop governor to achieve 2650 max static RMP's.

Maintenance Release

The aircraft and/or component(s) on N335A was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 762, Dated 10/17/2008.

DATE: 10/17/2008

SIGNED:

James J. Mazzanti
 James J. Mazzanti, A&P: 2699478

Work Order: 762

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Approving National Aviation Authority/Country: **AUTI**

FAA/UNITED STATES

4. Organization: **GARMIN International 1200 E 151**

6. Item: **1.**
 7. Description: **GNS430**
 8. Part Number: **011-0028**

13. REMARKS: Unit meets operational performance specifications modifications have been implemented. Updated software to latest version (60°C/140°F), and ambient environments to isolate any temperature re This "Certifies that the work specified in block 12/13 was carried out in accordance with the work that was performed on this unit was done t

MAINTENANCE 43.9

Inspection Record F.A.R. 43.11-91.409

Date	Aircraft Time in service	Kind of Inspection - Status & Discrepancy List Signature - Cert. No. of Person Approving or Dissapproving Aircraft for service
		<p>11-3-08 CIRRUS SR22 N335A HOBBS=658.4 UPGRADED SOFTWARE OF GARMIN, GTX327, S/N83726324, I.A.W. GARMIN S.B. #0809. ADJUSTED DATA CORRESPONDENCE OF A.C.K. A-30 ENCODER, S/N 103714 TO CORRECT AN OUT OF TOLERANCE CONDITION. OPERATIONAL TESTS OF THE GTX327 TRANSPONDER AND A-30 ENCODER WERE PASSED. ALL WORK WAS PERFORMED I.A.W. THE MANUFACTURERS INSTRUCTIONS, FAR 91.217, 91.413, FAR PART 43 APPENDIX E. END</p> <p>LANCASTER AVIONICS INC LANCASTER AIRPORT LITITZ, PA 17543 DATE 11-3-08 CERTIFICATE NO. LN7R281N SIGNED <i>Richard A. Statler</i></p>
		<p>MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 782</p> <p>Advanced Aircraft Services LP 500 Airport Rd, Suite D Lititz, PA 17543 Phone: 717-735-5179</p> <p>DATE: 11/7/2008 A/C TSN: 516.5 HOBBS: 658.4</p> <p>Airframe Entries Completed an Annual Inspection using the Cirrus AMM check list ch. 5-20.... C/W AD 08-06-28 R1 PFD Error.... C/W AD 08-14-13 Cabin Door Rod Ends.... Stop drilled crack. Fabricated, painted, and installed repair doubler.... Replaced the #1 top spark plug.... Replaced numerous wellnuts on the gear fairings.... Replaced the right caliper o-rings, inspected the caliper and replaced the thermal sticker.... Replaced the O/B/R wheel fairing bracket.... Replaced the #2 batteries.... Adjusted the prop de-ice tubes.... Resealed the parking brake valve.... Rebonded the glareshield seal.... Replaced the left muffler.... Replaced the ELT batteries.... Replaced the left and right brake linings.... Serviced the tires, serviced the battery, serviced the brake fluid, repacked all wheel bearings, cleared and inspected the fuel gascolator screen, completed a light check, C/W FAR 91.207(d) ELT check. A/WAD's current thru 08-22.-END-</p> <p>I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.</p> <p>DATE: 11/7/2008 SIGNED: <i>Richard A. Barnhart II</i> Richard A. Barnhart II, IA: 3124994 Work Order: 782 Printed by EBis 3 (datamedia.com)</p>

MAINTENANCE RECORD F.A.R. 43.9

Date
Com

MAKE: Cirrus
MODEL: SR22
S/N: 2288
REG NO: N335A
WORK ORDER: 1012

Advanced Aircraft Services LP
500 Airport Rd. Suite D
Lititz, PA 17543
Phone: 717-735-5179

DATE: 7/30/2009
AC TSN: 593.7
HOBBS: 755.5

Agency &
Certificate No. 60
Work performed /
needed to service

Airframe Entries

Completed an Annual Inspection using the Cirrus AMM check list ch. 5-20.... AD 07-14-03 PCW by SB on 6/1/07.... AD 08-03-16 Rudder-Aileron interconnect rigging/modification, PCW by SB.... AD 08-14-13 Cabin Door Rod Ends, PCW by SB.... AD 08-13-28 Prop Hub Lube Holes, N/A by design/part number.... AD 08-06-28 R1 PFD Error, N/A by S/N.... Rerigged the R/A interconnect circuit.... Replaced several wellnuts on the gear fairings.... Rotated both main tires.... Cleaned the Airtrol/Grill IAW ICA.... Replaced the worn exterior decals.... Replaced the nose tube. Cleaned and repacked all wheel bearings, Serviced all tires, Serviced the battery, serviced the brake fluid/ completed a light check, C/W FAR 91.207 (d) ELT check. All AD's current thru 09-15 -END-

I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE: 7/30/2009

SIGNED:

Work Order: 1012

Richard J. Barnhart II, A-3124994

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ENGINE MODEL: IO550N
ENGINE S/N: 689998
REG NO: N335A
WORK ORDER: 1091

Advanced Aircraft Services LP
500 Airport Rd. Suite D
Lititz, PA 17543
Phone: 717-735-5179

DATE: 10/21/2009
AC TSN: 641.1
ENG TT: 641.1
HOBBS: 810.5

Engine Entries

Drained the engine oil and replaced filter, Serviced engine with 7 qts of Phillips 20/50. Cut open filter and inspected, no contamination found at this time. Performed oil analysis. Ground run and leak checked good.

Maintenance Release

The aircraft and/or component(s) on N335A was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 1091, Dated 10/21/2009.

DATE: 10/21/2009

SIGNED:

Work Order: 1091

James J. Mazzanti, A&P: 2699478

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LANCASTER AVIONICS, INC. 500-U AIRPORT RD LITITZ, PA 17543 CRS# LN7R261N
LOG ID# 2079 03-February-2010 WO# 15211
N335A S/N 2288 CIRRUS DESIGN CORP. SR22

Pg 1 / 1

**** ITEM # 15211-1 EXCHANGE PFD - RELEASE-8 ****
DISCREPANCY: COMPLY WITH PHASE 1 OF RELEASE 8/DFC90 UPGRADE.
ACTION: COMPLIED WITH PHASE 1 OF RELEASE 8 UPGRADE - REMOVED AVIDYNE PFD S/N 28513495 (RETURNED PER RMA# 9009168) AND INSTALLED ADVANCED EXCHANGE AVIDYNE PFD S/N 20330305 WITH SOFTWARE VERSION 7.1.1.
PERFORMED REQUIRED CALIBRATIONS AND CONFIGURATIONS AND STATIC LEAK CHECK.

**** ITEM # 15211-2 REPAIR #2 GNS430 ****
DISCREPANCY: DISPLAY CONTRAST PROBLEMS.
ACTION: CONTRAST SET TO (AUTO 90), SLOPE, & OFFSET ALL CORRECTLY SET. HOWEVER, DID FIND 429 LNAV MISCONFIGURED TO #2; CORRECTLY SET TO LNAV #2. OPS CHECKED GOOD.

CRS# LN7R261N

Date

N335A Page _____

X Borrom

MAINTENANCE RECORD F.A.R. 43.9

Date of Comp.	Aircraft Time in Service	Description of Work Performed or Approved Data Used	Agency & Certificate No. Work performed / returned to service
	MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 1232	Advanced Aircraft Services LP 500 Airport Rd. Suite D Lititz, PA 17543 Phone: 717-735-5179	DATE: 4/8/2010 A/C TSN: 745 HOBBS: 927.9
	Airframe Entries Removed the Airwolf Air Oil separator from aircraft and reinstalled OEM breather.... Topped off TKS fluid.		
	Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 1232, Dated 4/8/2010.		
	DATE: 4/8/2010 SIGNED: James J. Mazzante, A&P: 2699478	Work Order: 1232 Printed by EBis 3 (datcomedia.com)	

8-11-10 Hobbs: 1018.0 SR22
 Flight: 714.6 N335A

C/W Avidyne S.B. 601-00006-103 to update SW. in
 PFD from Release 8.0.1 to 8.0.2 and Ramp test
 Existing DFC-90 AP OK to MFG PRE-FLIGHT SPECS.
 Details on file w/ 15661

LANCASTER AVIONICS INC
 LANCASTER AIRPORT
 LITITZ, PA 17543

DATE 8-11-10
 CERTIFICATE NO. LN7R261N
 SIGNED *James J. Mazzante*

LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N
 LOG ID# 2207 23-June-2010 WO# 15541
 N335A S/N 2288 CIRRUS DESIGN CORP. SR22

Pg 1 / 1

**** ITEM # 15541-1 C/W DFC-90 UPGRADE ****

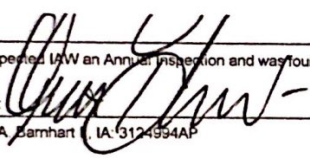

DISCREPANCY: C/W DFC-90 UPGRADE.

ACTION: The following equipment was removed: STEC 55X Autopilot Computer. The following equipment was installed: Avidyne DFC90 Autopilot Computer. Installed Avidyne DFC90 Autopilot Computer as a 'Slide-In' replacement unit for the STEC 55X Autopilot Computer IAW Avidyne STC# SA0029680. All work was accomplished IAW AC 43.13-1B/-2A Chapter 2 and Avidyne DFC90 Installation Manual p/n 600-00251-000 Rev 01. Installation included updating Avidyne EXP5000 PFD s/n 20330305 to Release 8.0.1 IAW Avidyne Service Bulletin #601-00006-103 and compliance with published pre-installation parameters on retained autopilot components and aircraft rigging per Avidyne Installation Manual p/n 600-00251-000 Rev 01. Inserted Avidyne provided DFC90 Flight Manual Supplement p/n 600-00249-000 in the Supplement Section of the Aircraft Flight Manual. Inserted Avidyne provided DFC90 Instructions for Continued Airworthiness p/n AVDFC-030 in the Service & Handling Section of the Aircraft Flight Manual. All of the above installed equipment was functionally tested including a required flight check and was found to perform its intended function with no adverse effects on other aircraft systems. Weight and Balance change negligible. Equipment list revised.

CRS# LN7R261N

Date

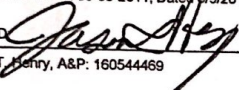
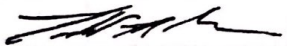
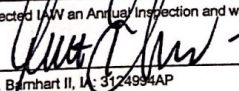
MAINTENANCE RECORD F.A.R. 43.9

Date of Comp.	Aircraft Time in Service	Description of Work Performed or Approved Data Used	Agency & Certificate No. Work performed / returned to service
MAKE: Cirrus MODEL: SR22 S/N: 2288 REG NO: N335A WORK ORDER: 1385		Advanced Aircraft Services LP 500 Airport Rd. Suite D Lititz, PA 17543 Phone: 717-735-5179	DATE: 23 July, 2010 A/C TSN: 1018 FLIGHTTIME: 939
Airframe Entries Cirrus Annual Inspection completed using the Cirrus AMM check list ch. 5-20. Serviced the tires, serviced the battery, serviced the brake fluid reservoir, lubed airframe hinge points, checked all cable tensions, completed interior and exterior light check, cleaned and inspected the fuel gascolator screen, cleaned and repacked all wheel bearings. C/W FAR 91.207 (d) ELT check. C/W AD 09-26-01 Deice fittings, N/A by ASN Complied with SB 2X-27-16 Flap Actuator Mod Complied with SB 2X-21-03 R1 Condenser sealing C/W SB 2X-32-19 R2 Nose gear inspection, installed reinforcement bolt. C/W SB 2X-95-12 CAPS CMM line cutters rigging illustration error. Replaced the co-pilots lower door latch Torqued I/B/R fuel sender mounting bolts and center stud. Leak check good. Cleaned and ops checked parking brake valve. Leak and ops check good. Replaced both brake discs and all brake linings. Replaced left brake caliper phenolic shim. Repaired the de-ice line at the spinner. Replaced de-ice line seals. Installed a new camlock collar and retaining ring in the top cowl. Repaired the engine baffle as required. Replaced the #2 batts. Replaced the ELT batteries. Repaired #1 header collector bracket, replaced bolt. Cleaned and treated corrosion on positive battery cable terminal. Replaced all well nuts on left MLG.			
I certify that this AIRFRAME has been inspected in accordance with an Annual Inspection and was found to be in Airworthy condition.			
DATE: 23 July, 2010		SIGNED:  Richard A. Barnhart, IA 6124994AP	Work Order: 1385 Printed by EBis 3 (datamedia.com)
<div style="border: 1px solid black; padding: 5px;"> LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N LOG ID# 2292 28-September-2010 WO# 15783/1 AC TT 1062.4 HOBBS 1062.4 N335A S/N 2288 CIRRUS DESIGN CORP. SR22 </div>			
Pg 1 / 1			
**** ITEM # 15783-1 C/W PFD SW UPGRADE - WARRANTY **** DISCREPANCY: UPDATE PFD SOFTWARE TO ENABLE DFC90 UNDERSPEED PROTECTION - AVIDYNE WARRANTY. Model: EXP5000 Serial#: 20330305 ACTION: UPDATED PFD SOFTWARE FROM 8.0.2 TO 8.0.3 I.A.W. AVIDYNE SERVICE BULLETIN 601-00006-105.			
CRS# LN7R261N		JAMES D. GOOD	9-28-10 Date
<div style="border: 1px solid black; padding: 10px; margin-top: 20px;"> 10-21-2010, Hobbs 1085.6 Removed #5 Exhaust riser for repair by Green Country Exh. Reinstalled after repair. Run check, OK.  </div>			

MAINTENANCE RECORD F.A.R. 43.9

Date of Comp.	Aircraft Time in Service	Description of Work Performed or Approved Data Used	Agency & Certificate No. Work performed / returned to service
MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 1506-11-2010	Advanced Aircraft Services LP 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179	DATE: 11/3/2010 A/C TSN: 1098.1 HOBBS: 899.2	
Airframe Entries Reinstalled Airwolf Air / Oil Separator.			
Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service. Additional details of the repair are available at this facility under Work Order No. 1506-11-2010, Dated 11/3/2010.			
DATE: 11/3/2010	SIGNED: Jonathan T. Milby, A&P: 3477163AP	Work Order: 1506-11-2010 Printed by EBis 3 (datcomedia.com)	
<div style="border: 1px solid black; padding: 5px;"> LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N LOG ID# 2337 05-November-2010 WO# 15886/1 AC TT 1098.2 HOBBS 1098.2 N335A S/N 2288 CIRRUS DESIGN CORP. SR22 </div> <div style="text-align: right;">Pg 1 / 1</div>			
<p>**** ITEM # 15886-1 REPAIR DFC90 - AVIDYNE WARRANTY ****</p> <p>DISCREPANCY: DFC90 AUTOPILOT DISPLAYS "MSR DATA WAITING ERROR" ON PFD.</p> <p>Model: DFC90 Part#: 700-00170-000 Serial#: M102007307</p> <p>ACTION: OPS CHECKED AND CONFIRMED FAULT. REMOVED FAULTY DFC90, S/N M102007307. INSTALLED WARRANTY EXCHANGE DFC90, S/N 1026A74497. AUTOPILOT RAMP CHECKS GOOD.</p>			
CRS# LN7R261N	SCOTT KUHNS	11-5-10 Date	
MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 1621-02-2011	Advanced Aircraft Services 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179	DATE: 2/17/2011 A/C TSN: 947.2 HOBBS: 1152.4	
Airframe Entries Removed R/H exhaust, replaced the #5 cylinder exhaust header, re-installed R/H exhaust. Ops check good.			
Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service. Additional details of the repair are available at this facility under Work Order No. 1621-02-2011, Dated 2/17/2011.			
DATE: 2/17/2011	SIGNED: Jonathan T. Milby, A&P: 3477163AP	Work Order: 1621-02-2011 Printed by EBis 3 (datcomedia.com)	

MAINTENANCE RECORD F.A.R. 43.9

Date of Comp.	Aircraft Time in Service	Description of Work Performed or Approved Data Used	Agency & Certificate No. Work performed / returned to service
MAKE: Cirrus MODEL: SR22 S/N: 2258 REG. NO: N335A WORK ORDER: 1785-06-2011	Advanced Aircraft Services 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179	DATE: 6/9/2011 A/C TSN: 1007.3 HOBBS: 1219.6	
Airframe Entries Removed and replaced the #3 Cylinder EGT Probe. Retorqued all exhaust flange nuts. Ops check good.			
Maintenance Release			
The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service. Additional details of the repair are available at this facility under Work Order No. 1785-06-2011, Dated 6/9/2011.			
DATE: 6/9/2011	SIGNED:  Jason T. Henry, A&P: 160544469	Work Order: 1785-06-2011 Printed by EBis 3 (datcomedia.com)	
LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N LOG ID# 2600 08-July-2011 WO# 16479 N335A S/N 2258 CIRRUSS DESIGN CORP. SR22			Pg 1 / 1
**** ITEM # 16479-1 #1 GNS430W TERRAIN BASEMAP INOP **** DISCREPANCY: #1 GNS430W TERRAIN BASEMAP INOP. ACTION: TERRIAN CARD FOR #1 UNIT FOUND IN #2 UNIT AND DUMMY CARD WAS IN #1 UNIT. SWOPPED CARDS. OPS CHECKED GOOD.			
**** ITEM # 16479-2 KING KGP560 TERRAIN INOP **** DISCREPANCY: KING KGP560 INOP. ACTION: FOUND CIRCUIT BREAKER PULLED. RESET CIRCUIT BREAKER. PULLED AIRCRAFT OUT AND PERFORMED CHECK WITH GPS SATELLITES. OPS CHECKED GOOD.			
 CRS# LN7R261N Todd M. Adams			
MAKE: Cirrus MODEL: SR22 S/N: 2258 REG. NO: N335A WORK ORDER: 1891-08-2011	Advanced Aircraft Services 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179	DATE: 9/15/2011 A/C TSN: 1082.1 HOBBS: 1304.6	
Airframe Entries Cirrus Airframe Annual Inspection completed using the Cirrus AMM check list ch. 5-20. ELT inspected in accordance with FAR 91.207(d). ELT batteries due 7/2012. All AD's current thru 2011-19. Run up and ops check complete.... C/W SB 2X-24-09 TVS Fuse.... C/W SB 2X-27-16 R1 Flap Actuator Mod.... Removed and replaced both MLG tires. Leak check good.... Removed and replaced the rebound bumper. Ops check good.... Re-torqued #1-3-5 exhaust manifold. Re-torqued all EGT sensor clamps.... Replaced "Y" fitting on the Air Oil Separator and re-routed hoses for proper drainage and to prevent chafing.... Re-torqued both fuel QTY. senders. Leak check good.... Rebonded the wing root fairings as necessary.			
I certify that this AIRFRAME has been inspected in accordance with FAR 91.207(d) and was found to be in Airworthy condition.			
DATE: 9/15/2011	SIGNED:  Richard A. Barnhart II, A: 3124994AP	Work Order: 1891-08-2011 Printed by EBis 3 (datcomedia.com)	

Date of Comp.	Aircraft Time in Service	Description of Work Performed or Approved Data Used	Agency & Certificate No. Work performed / returned to service
	MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 2336-06-2012	Advanced Aircraft Services 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179 Airframe Entries Cirrus Airframe Annual Inspection completed using the Cirrus AMM check list ch 5-20. Performed a light check. Lubed airframe. Checked cable tensions. Serviced the gascolator. ELT inspected in accordance with FAR 91.207(d). ELT batteries due 03/2013. All AD's current thru 2012-19. Ops check good.... AD 2009-26-01 ICE AND RAIN PROTECTION....PCW.... C/W SB 2X-05-02 INDUCTION DUCT FLAPPER BOLT REPLACEMENT.... C/W SB 2X-32-19R3 NOSE LANDING GEARING INSPECTION AND REINFORCEMENT.... C/W Airwolf's ICA, due at next annual.... Removed and replaced the alternate air launch tube. Re-installed rocket to airframe.... Re-sealed all top mounted fuselage antennas.... Re-rigged co-pilots door latches. ops check good.... Removed and replaced all brake linings.... Removed and replaced both MLG IB fairing brackets.... Removed and replaced gasket on Left I/B fuel sender. Leak check good.... Inspected right brake caliper. Replaced thermal sticker. ops check good.... Rotated both MLG tires of their rims.... Removed and replaced L/H muffler.... Removed and replaced R/H muffler/heat exchanger.... Removed and replaced #2 batteries. Ops check good.... Removed and replaced the CAPS reefing line cutters with serial number 3278 and 3279, next due 06/2018. I certify that this AIRFRAME has been inspected in accordance with an Annual Inspection and was found to be in Airworthy condition.	DATE: 10/9/2012 A/C TSN: 1302.5 HOBBS: 1551.5
	MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 2580-11-2012	Advanced Aircraft Services 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179 Airframe Entries Removed and replaced the #3 EGT probe. Ops check good.... Removed and replaced the #1 cylinder drain seal. Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.	DATE: 11/19/2012 A/C TSN: 1326.9 HOBBS: 1581.4
	MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 2613-12-2012	Advanced Aircraft Services 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179 Airframe Entries Re-tensioned the tach electronic pick up pins at the baffle pass through connector. Ops check good. Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.	DATE: 12/6/2012 A/C TSN: 1326.9 HOBBS: 1581.4

MAINTENANCE RECORD F.A.R. 43.9

Date of Comp.	Aircraft Time in Service	Description of Work Performed or Approved Data Used	Agency & Certificate No. Work performed / returned to service
<p>MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 3076-09-2013</p>	<p>ADVANCED LANCASTER</p> <p>Advanced Lancaster LP 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179</p>	<p>DATE: 9/26/2013 A/C TSN: 1455 HOBBS: 1723.9</p>	
<p>Airframe Entries Removed and replaced the landing light wire harness.</p>			
<p>Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.</p>			
DATE: 9/26/2013	SIGNED: <i>[Signature]</i> Derrick S. Miller, A&P: 3221608	Work Order: 3076-09-2013 Printed by EBis 3 (datcomedia.com)	
<p>MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 3082-10-2013</p>	<p>ADVANCED LANCASTER</p> <p>Advanced Lancaster LP 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179</p>	<p>DATE: 10/10/2013 A/C TSN: 1462.8 HOBBS: 1732.6</p>	
<p>Airframe Entries Cirrus Airframe Annual Inspection completed using the Cirrus AMM check list ch 5-20. Performed a light check. Lubed airframe. Checked cable tensions. Serviced the gascolator. ELT inspected in accordance with FAR 91.207(d). ELT batteries due 10/2015. All AD's current thru 2013-20. Ops check good.... SB 2X-27-16 R2 Flap Actuator Mod. PCW.... SB 2X-95-10 R3 Caps pickup collar support replacement. PCW.... C/W SA13-05 Elevator Hinge Pin Inspection, no defects noted.... Secured the right mag "P" lead.... Removed and replaced the left tail pipe clamps.... Removed and replaced the nose wheel bearings and races.... Removed and replaced the right strobe flash tube assy.... Removed and Replaced left nav light.... C/W Airwolf ICA's.... Repaired center engine baffle.... Removed and replaced both upper MLG fairing brackets.... Torqued pilots entry step hardware.... Removed and Replaced EMA controller Next due at 9/01/2020.... Replaced ELT batts. Next due 10/15.</p> <p>I certify that this AIRFRAME has been inspected in an Annual Inspection and was found to be in Airworthy condition.</p>			
DATE: 10/10/2013	SIGNED: <i>[Signature]</i> Richard A. Barnhart II, IA 3124994AP	Work Order: 3082-10-2013 Printed by EBis 3 (datcomedia.com)	
<p>MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 3301-04-2014</p>	<p>ADVANCED LANCASTER</p> <p>Advanced Lancaster LP 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179</p>	<p>DATE: 4/14/2014 A/C TSN: 1558.2 HOBBS: 1937.9</p>	
<p>Airframe Entries Removed and replaced the #5 EGT Probe. Ops check good.</p>			
<p>Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.</p>			
DATE: 4/14/2014	SIGNED: <i>[Signature]</i> Derrick S. Miller, A&P: 3221608	Work Order: 3301-04-2014 Printed by EBis 3 (datcomedia.com)	
<p>MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 3606-10-2014</p>	<p>ADVANCED LANCASTER</p> <p>Advanced Lancaster LP 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179</p>	<p>DATE: 10/8/2014 A/C TSN: 1581.6 HOBBS: 1975.6</p>	
<p>Airframe Entries Removed and replaced the A/C drive/hub assembly.</p>			
<p>Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.</p>			
DATE: 10/8/2014	SIGNED: <i>[Signature]</i> Derrick S. Miller, A&P: 3221608	Work Order: 3606-10-2014 Printed by EBis 3 (datcomedia.com)	

SERVICEABLE

Pertinent details of the exhaust system component repairs are on file at this repair station under:

Name Advanced Lancaster

Work Order No. 110794

Date 9-3-14

Inspected by [Signature]

Dawley Aviation

140 Industrial Dr.
Burlington, WI 53105

1-800-338-5420

FAA CRS No. NJ5R069N

MAKE: Cirrus
MODEL: SR22
S/N: 2288
REG. NO: N335A
WORK ORDER:
3659-11-2014



Advanced Lancaster LP
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 11/12/2014
A/C TSN: 1689.7
HOBBS: 1984.8

Airframe Entries

Cirrus Airframe Annual Inspection completed using the Cirrus AMM check list ch 5-20. Performed a light check. Lubed airframe. Checked cable tensions. Serviced the gascolator. ELT inspected in accordance with FAR 91.207(d). ELT batteries due 10/2015. All AD's current thru 2014-22.... C/W SB 2X-27-17 Solid State Flap Relay.... Resealed the gascolator.... Removed and replaced the O/B L/H fuel drain.... Removed and replaced the aft oil door latch.... Removed and replaced both brake rotors and all 8 linings.... Removed and replaced the left exhaust muffler.... Removed and replaced the left tail pipe support springs.... Rotated the L/H MLG tire on its rim.... Removed and replaced the R/H MLG tire and tube.... Removed and replaced the NLG tire and tube.... Removed and replaced the R/H Air reading light.... Removed and replaced the bushings and bolts on the NLG strut at the engine mount.

I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE: 11/12/2014

SIGNED: [Signature]

Richard A. Barnhart II, IA: 3124994AP

Work Order: 3659-11-2014

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MAKE: Cirrus
MODEL: SR22
S/N: 2288
REG. NO: N335A
WORK ORDER:
3929-05-2015



Advanced Lancaster LP
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 5/28/2015
A/C TSN: 1780.1
HOBBS: 2085.2

Airframe Entries

Installed new bolt and washer on the R/H O/B wheel fairing

Maintenance Release

The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.

DATE: 5/28/2015

SIGNED: [Signature]

Derrick S. Miller, A&P: 3221608

Work Order: 3929-05-2015

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR22
S/N: 2288
REG. NO: N335A
WORK ORDER:
4043-07-2015



Advanced Lancaster LP
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 7/30/2015
A/C TSN: 1798.8
HOBBS: 2107.2

Airframe Entries

Removed and replaced the #1 alternator, installed Plane power P/N C28-150, S/N H-P020595

Maintenance Release

The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.

DATE: 7/30/2015

SIGNED: [Signature]

John Bolgi, A&P: 3468972

Work Order: 4043-07-2015

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR22
S/N: 2288
REG. NO: N335A
WORK ORDER:
4275-12-2015



Fly Advanced
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 1/7/2016
A/C TSN: 1824.5
HOBBS: 2135.5

Airframe Entries

Cirrus Airframe Annual Inspection completed using the Cirrus AMM check list ch 5-20. Performed a light check. Lubed airframe. Checked cable tensions. Serviced the gascolator. ELT inspected in accordance with FAR 91.207(d). ELT batteries due 01/2018. All AD's current thru 2015-26.... Removed and replaced the #1 battery, installed RG24-15M S/N 40768336.... C/W SB 2X-28-12R1 Electric Fuel Pump Inspection. No defects noted.... C/W SA13-05 Elevator Hinge Pin Inspection.... C/W SA15-03 H3R Aviation SB 2015-01 Fire Extinguisher. No defects noted.... Removed and replaced the #2 batteries.... Removed and replaced the ELT and RCPI batteries.... C/W AirWolf's ICA.... Removed and replaced the TKS filter.... C/W 500 Hour Magneto Inspection on both mags, disassembled, cleaned and inspected both mags. Installed new distributor gear kits, and timed mags to the engine.... Adjusted the max take off RPM for 2700.... Installed a new grommet for the mag P-lead at the baffle pass through.... Removed and replaced the alternate air flapper assembly and clevis pin.... Stop drilled multiple cracks in the engine baffling.... Adjusted all exhaust spring tensions.... Removed and replaced the NLG rubber pucks.... Removed and replaced the L/H MLG tube and tire, installed S/N 51722030.... Removed and replaced the nav antenna rubber grommets.... Removed and replaced both cabin door struts.... Installed new "Grab Here" placards in the cockpit as required.... Removed and replaced 3 cabin cup holders.... Re-torqued the NLG strut at the engine mount.... C/W SB 2X-32-19 R3 NLG Inspection. Found two small cracks in the upper gusset plate that need to be inspected in 100 hours. Next inspection due 1956.4

I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE: 1/7/2016

SIGNED: [Signature]

Derrick S. Miller, IA: 3221608

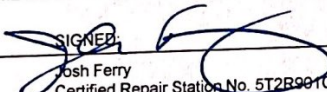
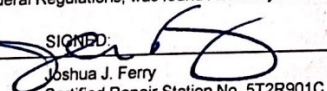
Work Order: 4275-12-2015

Printed by EBis 3 (datcomedia.com)

MAINTENANCE RECORD F.A.R. 43.9

Date of Comp.	Aircraft Time in Service	Description of Work Performed or Approved Data Used	Agency & Certificate No. Work performed / returned to service
DATE: 1/18/2017 A/C TSN: 2174.9 HOBBS: 2328.3	MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO. N335A WORK ORDER: 4920-01-2017	ADVANCED Fly Advanced Repair Station No. 5T2R901C 530 Airport Rd. Litz, PA 17543 Phone: 717-735-5179	
Airframe Entries C/W AD 1993-05-06 ACS Ignition Switches, next due Flt: 4174.9... C/W SB 2X-32-19 R3 NLG Inspection, 2 very small cracks, have not progressed since last year... C/W SB 2X-52-08 R2 Catcher/Diverter and Gas Strut Rod End Replacement... Adjusted the Flight meter to the actual correct flight time of 2174.9... C/W Airwolf ICA's... Removed and replaced the heat exchanger... Removed and replaced the right tail pipe clamps... Installed 2 new heat shroud screws... Secured the throttle cable at the oil cooler... Stop drilled a small crack in the forward right engine baffle... Removed and replaced the induction air filter cap... Repaired the pilots Rosen visor mount shaft... Sealed the left lower wing root fairing... Removed and replaced the NLG rebound bumper... Removed and replaced all 8 brake linings... Removed and replaced the left MLG upper strut fairing wellnuts... Removed and replaced the I/B R/H MLG fairing bracket... C/W SB 2X-95-18 R3 CAPS rocket motor assembly replacement. Removed and replaced the CAPS parachute and Rocket. Installed Parachute S/N 02682R1. Next replacement due 1/03/2027. Installed rocket motor assembly S/N 2166. Next due 12/14/2026. Installed frangible link assembly S/N 2858. Reinstalled the CAPS reefing line cutters serial numbers 3278 & 3279. Next due for replacement 06/2018 Weight and balance updated, see POH... C/W SB 2X-95-13 CAPS strap inspection and grommet installation... Completed Pilot/Static leak check Pitot. 0.2 k/m Static: 75 f/m... Repositioned the A/C condenser for a short time in order to run the new wire harness for the CAPS SB 2X-95-18 R3. I certify that this AIRFRAME has been inspected IAW FAR 43.9 and was found to be in Airworthy condition.			
DATE: 1/18/2017	SIGNED: <i>Joel A. Glover</i> Joel A. Glover Certified Repair Station No. 5T2R901C	Work Order: 4920-01-2017 Printed by EBis 3 (datamedia.com)	
DATE: 1/12/2018 A/C TSN: 2270.4 HOBBS: 2435.9	MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO. N335A WORK ORDER: 5569-01-2018	ADVANCED Fly Advanced Repair Station No. 5T2R901C 530 Airport Rd. Litz, PA 17543 Phone: 717-735-5179	
Airframe Entries Annual Airframe Inspection completed IAW FAR 91.409 and the requirements outlined in FAR 43 App. D, with reference to the Cirrus AMM check list ch 5-20. Performed a light check. Lubed airframe. Checked cable tensions. Serviced the gascolator. ELT inspected in accordance with FAR 91.207(d). ELT batteries due 1/2020. All AD's current thru 2018-01... Removed and replaced the #2 batteries... Removed and replaced the ELT batteries. Next replacement due 1/2020... C/W Airwolf ICA's... SB 2X-95-22R1 CAPS Aft Grain Replacement N/A by ASN... C/W SB 2X-95-24R1 CAPS Rocket Shelf Ground Wire... Stop drilled a crack in the L/H engine baffle... Repositioned and secured the heat exchanger shroud... Removed and replaced the alternate air scut duct... Rotated the L/H and R/H MLG tires on the wheels. Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.			
DATE: 1/12/2018	SIGNED: <i>Derrick S. Miller</i> Derrick S. Miller Certified Repair Station No. 5T2R901C	Work Order: 5569-01-2018 Printed by EBis 3 (datamedia.com)	
DATE: 10/17/2018 A/C TSN: 2301.2 HOBBS: 2472	MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO. N335A WORK ORDER: 6102-10-2018	ADVANCED Fly Advanced Repair Station No. 5T2R901C 530 Airport Rd. Litz, PA 17543 Phone: 717-735-5179	
Airframe Entries Removed and replaced the #5 cylinder exhaust header with new header P/N: 15070-003. Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.			
DATE: 10/17/2018	SIGNED: <i>Josh Ferry</i> Josh Ferry Certified Repair Station No. 5T2R901C	Work Order: 6102-10-2018 Printed by EBis 3 (datamedia.com)	

MAINTENANCE RECORD F.A.R. 43.9

Date of Comp.	Aircraft Time in Service	Description of Work Performed or Approved Data Used	Agency & Certificate No. Work performed / returned to service
	MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 6133-10-2018	ADVANCED Fly Advanced Repair Station No. 5T2R901C 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179	DATE: 2/13/2019 A/C TSN: 2314 HOBBS: 2488
	Airframe Entries Annual Airframe Inspection completed IAW FAR 91.409 and the requirements outlined in FAR 43 App. D. with reference to the Cirrus AMM check list ch 5-20. Performed a light check. Lubed airframe. Checked cable tensions. Serviced the gascolator. Removed and replaced the induction air filter with P/N: BA-24. Complied with Battery #1 capacity test, battery passed. ELT inspected in accordance with FAR 91.207(d). ELT batteries due 01-2020. All AD's current thru 2019-03.... C/W SB 2X-32-19R3 Nose Landing Gear Inspection and Reinforcement. Small cracks found on gusset plate, currently well within limits. Next due Flight A SB 2X-95-23R1 CAPS Aft Grain Replacement Found Not Applicable by repack complied with in the USA.... C/W Airwolf ICAS.... Removed and replaced the pilot and co-pilot seatbelt inflator assemblies with P/N: 20902-005, S/Ns: (Pilot) Z7181298037 and (Co-pilot) Z7181782169. Next due replacement 01-2029.... Removed and replaced the CAPS reefing line cutters with P/N: 25347-002, S/Ns: 14587 and 14623. Next due replacement 08-2024.... Removed and replaced the TKS Filter cartridge, next due 02-2021.... Removed and replaced the #5 EGT sensor.... Purged the TKS system and operated system, operational check ok at this time. All panels are properly wetting.... Completed small composite repairs to the NLG wheel fairing lower side. Sanded, primed and painted the wheel fairing as required. Installed new wheel fairing stripe decals and aerotect.... Installed missing Nose Landing Gear strut fairing aerotect.... Removed and replaced lower cowl metal heat tape as required.... Removed and replaced the engine cowl seal.... Removed and replaced the Reiff engine pre-heater plug cap and snap ring.... Removed and replaced the mixture cable forward rod end.... Removed and replaced the prop control cable forward rod end.... Removed and replaced the exhaust muffler - heat exchanger with new P/N: 14837-001.... Properly torqued the nose landing gear strut to firewall attaching hardware.... Removed and replaced the nose landing gear spindle cup and bearings, assembled using new thrust washer and locking nut, adjusted tension as required per Cirrus AMM.... Removed and replaced left aileron assembly with serviceable assembly. Sanded, primed, and painted to match.... Removed and replaced the left inboard aileron hinge assembly.... Removed and replaced the Reiff oil sump thermostat.... Removed and replaced the left and right aileron gap seals.		
	I certify that this AIRFRAME has been inspected IAW an Annual Inspection and was found to be in Airworthy condition. <div style="display: flex; justify-content: space-between;"> DATE: 2/13/2019 SIGNED:  Josh Ferry Certified Repair Station No. 5T2R901C Work Order: 6133-10-2018 Printed by EBis 3 (datcomedia.com) </div>		
	MAKE: Cirrus MODEL: SR22 S/N: 2288 REG. NO: N335A WORK ORDER: 6609-06-2019	ADVANCED Fly Advanced Repair Station No. 5T2R901C 530 Airport Rd. Lititz, PA 17543 Phone: 717-735-5179	DATE: 6/27/2019 A/C TSN: 2323.1 HOBBS: 2498.3
	Airframe Entries Removed and replaced the nose landing gear spindle cup locking nut, adjusted spindle cup tension as required per Cirrus AMM.		
	Maintenance Release The aircraft and/or component(s) on N335A was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.		
	<div style="display: flex; justify-content: space-between;"> DATE: 6/27/2019 SIGNED:  Joshua J. Ferry Certified Repair Station No. 5T2R901C Work Order: 6609-06-2019 Printed by EBis 3 (datcomedia.com) </div>		

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10

Inspection Record F.A.R. 43.11-91.409

Date	Aircraft Time in service	Kind of Inspection - Status & Discrepancy List Signature - Cert. No. of Person Approving or Dissapproving Aircraft for service
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09 Dec 06

6.5

Production Flight Test accomplished in accordance with Cirrus Procedure #90502

Name: Nate Alm Date 09 Dec 06

Signature:

Title: Production Flight Test Pilot

Dec 20 2006

6.5

I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated Dec 120 2006. The next inspection is due Dec 31 2007.

PAUL R. SITKO
ODARF-405228-CE



AVIATION SERVICES

469 Airport Road, Johnstown PA 15904
Phone: 814-361-3500 Fax: 814-361-3498

Registration: N335A	Time: TT 306.9	W/O: 0712-4	Date: 12-14-2007
SR22, S/N 2288	Flight Hobbs: 194.7, Hobbs: 424.4		

Performed Annual Inspection IAW Cirrus Inspection guide 05-20. AD's C/W thru 2007-24 Biweekly. Compliance record provided in aircraft logs.

This Aircraft has been inspected in accordance with an Annual inspection and is approved for return to service. Further details are on file under work order referenced above.

Signature: [Signature] Certificate: CRS # N64R483Y

Inspection Items fo. .rus SR22 N335A

IN335A		S/N 2288	HOBBS		Date last Insp / Cleaned		Hrs last Insp / Cleaned		Days since last Insp Cleaned		Hrs since last Insp & Cleaned		Date last waxed		Next wax		
Date:		2/5/2007	13.2		19.7		12/31/2006		10		36.0		12/20/2006		3/20/2007		
Aircraft Hrs. Tach / Fit		13.2		FREQ. MONTHS		LAST DONE		LAST DONE		NEXT DUE		NEXT DUE		DUE WITHIN			
INSPECTION ITEMS		FREQ. HOURS		FREQ. MONTHS		Calendar		Hours		Calendar		Hours		Days		Hours	
50Hr/ oil chg/ sample		50 Hrs						0		N/A		50.0		N/A		36.8	
100 Hr Insp		100 Hrs						0		N/A		100.0		N/A		86.8	
Fuel nozzle Insp		300 Hrs		N/A				0		N/A		300.0				286.8	
Annual Insp				12		12/20/2006		0		Dec-07		N/A		318			
Airspeed Calibration				24		11/30/2006		0		Nov-08		N/A		663			
Altimeter Calibration				24		11/29/2006		0		Nov-08		N/A		662			
Transponder Cal				24		11/29/2006		0		Nov-08		N/A		662			
REPLACEMENT ITEMS		FREQ. HOURS		FREQ. MONTHS		LAST DONE		LAST DONE		NEXT DUE		NEXT DUE		DUE WITHIN			
						Calendar		Hours		Calendar		Hours		Days		Hours	
Induction air filter		200 Hrs		12		12/20/2006				Dec-07		200.0		318		186.8	
#2 Aircraft Battery		500hrs		24		12/20/2006		0		Dec-08		500.0		683		486.8	
Ice protection filter		1200		24		12/20/2006		0		Dec-08		1,200.0		683		1,186.8	
Magneto Insp		500 Hrs				12/20/2006		0				500.0		N/A		486.8	
Alternator #1 Insp O/H		500 Hrs				12/20/2006		0				500.0		N/A		486.8	
Muffler heat exch		1,000 Hrs				12/20/2006		0				1,000.0		N/A		986.8	
Main Actf Battery		1800hrs		36		12/20/2006		0		Dec-09		1,800.0		1,048		1,785.8	
Prop Governor		1800		60		12/20/2006		0		Dec-11		1,800.0		1,778		1,786.8	
Flex fuel lines				60		12/20/2006		0		Dec-11		N/A		1,778			
Gasolator seals				60		12/20/2006		0		Dec-11		N/A		1,778			
Fuel drain valve seals				60		12/20/2006		0		Dec-11		N/A		1,778			
Flex oil lines				60		12/20/2006		0		Dec-11		N/A		1,778			
Flex Brake lines				60		12/20/2006		0		Dec-11		N/A		1,778			
Aileron interconnect				60		12/20/2006		0		Dec-11		N/A		1,778			
ELT Batteries		1 Hr use				11/1/2006		0		Oct-12							
Alternator #2 O/H		1700				12/20/2006		0				1,700.0		N/A		1,686.8	
Engine		2000				12/20/2006		0				2,000.0		N/A		1,986.8	
Prop De Ice boots		2400		72		12/5/2006		0		Dec-12		2,400.0		2,128		2,386.8	
Propeller		2,400 Hrs		72		12/5/2006		0		Dec-12		2,400.0		2128		2,386.8	
Prop Blades		2,400 Hrs		72		12/5/2006		0		Dec-12		2,400.0		2128		2,386.8	
Caps Reefer cutters				72		8/1/2006		0		Jul-12		N/A		2002		2,386.8	
EMA controller				72		9/25/2006		0		Sep-12		N/A		2057			
Rt seat air bag inflator				84		10/11/2006		0		Oct-13		N/A		2438			
Lt seat air bag inflator				84		10/1/2006		0		Sep-13		N/A		2428			
Fuel Boost pump				120		12/20/2006		0		Dec-16		N/A		3603			
Caps Rocket				120		10/1/2006		0		Sep-16		N/A		3523			
Caps Parachute				120		11/1/2006		0		Oct-16		N/A		3554			
Seat Belt replace				120		12/20/2006		0		Dec-16		N/A		3603			
Fire Extinguisher				240		12/20/2006		0		Dec-26		N/A		7253			

Inspection Items for Virus SR22 N335A

[illegible]