

N197PG

Logbook #1

AIRCRAFT LOG
AF5-1

Aircraft Log

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TC # A00009CH

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Aero Products Corporation

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AIRCRAFT DESCRIPTION

MANUFACTURER CIRRUS DESIGN Corp. MODEL SR-20 DATE OF MFG. April 08

SERIAL NUMBER 1969 REGISTRATION NUMBER N197PG

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

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' _____

INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	TELEDYNE CONTINENTAL MOTORS	IO-360-ES	R 360659
ENGINE			L
PROPELLER	HARTZELL PROPELLER INC.	PHC-334F-1RF	R
PROPELLER			L FP66438
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

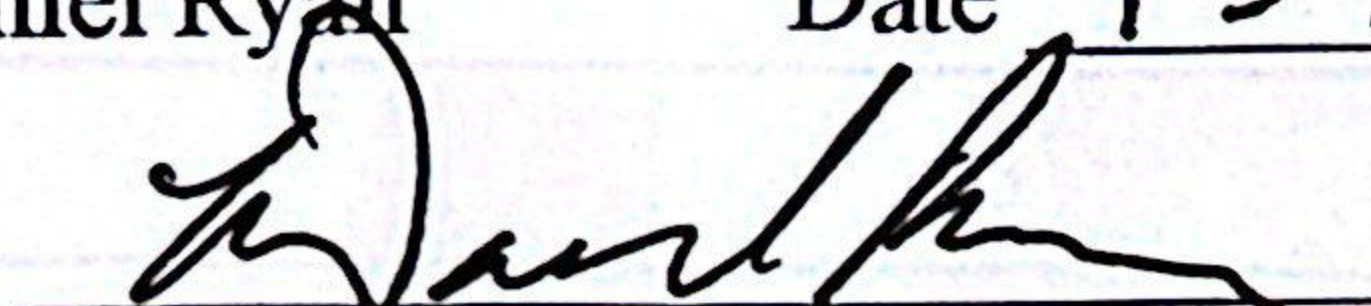
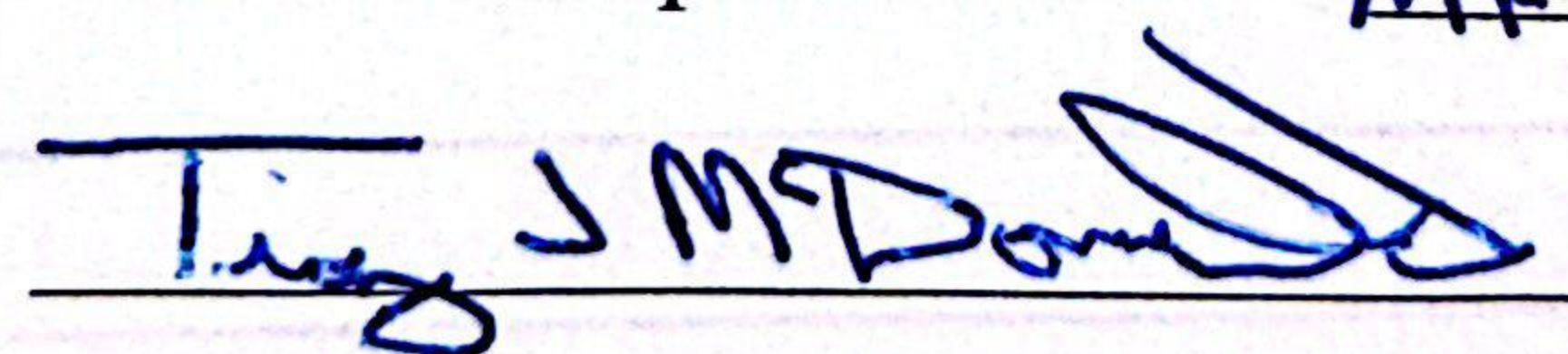
[illegible]

LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

NAME OF PART	PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.
Life Limited Parts SR20							
PART NAME	PART NUMBER					EXPIRES	
CAPS Rocket Motor	21814-001	S/N <u>4138</u>				<u>02/18</u>	<u>05/29/2018</u> <u>NEXT DUE 05/20</u>
CAPS Parachute	20331-001	S/N <u>03397</u>				<u>03/18</u>	<u>05/29/2018</u> <u>NEXT DUE 05/28</u>
CAPS Reefing Line Cutters	5212	LOT <u>10508A</u> <u>003-049</u>				<u>02/14</u>	<u>C/W 7/1/14</u> <u>Next Due 7/2020</u>
ELT Battery Pack	452-6504	Date Installed <u>03/08</u>				<u>05/2013</u>	<u>C/W 10/29/13</u> <u>Next Due 1/2020</u>
EMA Controller, AAIR	20902-001	S/N <u>235A0818</u>				<u>5AW2015</u>	<u>Sept 2022</u>
Pilot Seat Inflator Assy, AAIR	20902-002	S/N <u>4A513204</u> <u>20177</u>				<u>1/1/2020</u> <u>1/1/2015</u>	
Co-Pilot Seat Inflator Assy, AAIR	20902-002	S/N <u>4A513204</u> <u>20074</u>				<u>1/1/2020</u> <u>1/1/2015</u>	

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 DISAPPROVING AIRCRAFT FOR SERVICE
13 APR 08	3.9 hr	Production Flight Test accomplished in accordance with Cirrus Procedure #90500. Name: Daniel Ryan Date <u>13 APR 08</u> Signature: <u></u> Title: Production Flight Test Pilot
23 APR 2008	4.0 HRS	I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated <u>APR 23 2008</u>. The next inspection is due <u>APR</u> / <u>30</u> / <u>2009</u>. <u></u> Troy J. McDonald ODARF-405228-CE

ALTIMETER & STATIC SYSTEM CHECKS

DATE	MANUFACTURER	MODEL	SERIAL NO.	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 <u>18,000</u> FEET ON <u>04/08/08</u>. Transponder: Mfg <u>Garmin</u> P/N <u>13587-050</u> Model: <u>GTX-327</u> S/N <u>83732827</u>. Encoder: Model <u>ACK</u> P/N <u>A-30</u> S/N <u>112127</u>. Altimeter: Mfg <u>Avidyne</u> (PFD) <u>15222-009</u> S/N <u>20063118</u>. Mfg <u>United</u> P/N <u>12731-002</u> S/N <u>467810</u>. CDC Quality Assurance  on <u>04/08/08</u>. Cirrus Design Corporation <u>Duluth</u>, MN USA PC# 338CE							

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF
COMPLETION

MAKE: Cirrus
MODEL: SR20 G3
S/N: 20-1969
REG NO: 197PG
WORK ORDER:
11165-05-2008

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone 218- 788-3101

DATE: 5/2/2008
A/C TSN: 4
HOBBS: 4

10.
SERVICE

Airframe Entries

(3) Removed crew and passenger seats (LH Front: P/N 20907-403-014, RH Front: P/N 20907-404-014, LH Rear: P/N 12954-401-014, RH Rear: P/N 12954-402-014) and installed Gray Seats (LH Front: P/N 20907-403-014, S/N 6286, RH Front: P/N 20907-404-014, S/N 6287, LH Rear: P/N 12954-401-014, S/N 8391, RH Rear: P/N 12954-402-014, S/N 8392) IAW CDC AMM 25-10

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 5/2/2008

SIGNED:

Steven LaMourea
Certified Repair Station No. YD5R855Y

Work Order: 11165-05-2008

Printed by EBis 3 (datcomedia.com)

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC



d/b/a MILLION AIR - RICHMOND

CRS VXWR051W

MANUFACTURER Cirrus

Model: SR20

S/N: 1969

Reg #: N197PG

Date 5/20/2008

W.O.: M080529

ACTT: 15.7

Flight Hours: 15.7

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 first 25 hr. airframe inspection item requirements referencing Cirrus SR20 MM.

Signed: _____

Print: _____

John T. Gardner
for
COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W

LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC



d/b/a MILLION AIR - RICHMOND

CRS VXWR051W

Manufacturer: Cirrus

Model: SR20

S/N: 1969

Reg #: N197PG

Date 7/16/2008

W.O.: M080717

ACTT: 40.4

Flight Hobbs: 40.4

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 for the work performed. Pertinent details of this work order are on file at this repair station..

Removed two defective left dial fuel quantity gauges from the left wing fuel transmitters and installed two new gauges (P/N: 18497-101). Adjusted left fuel quantity for empty and full indications. System checks good afterwards. All work done in reference to Cirrus Design SR20 AMM.

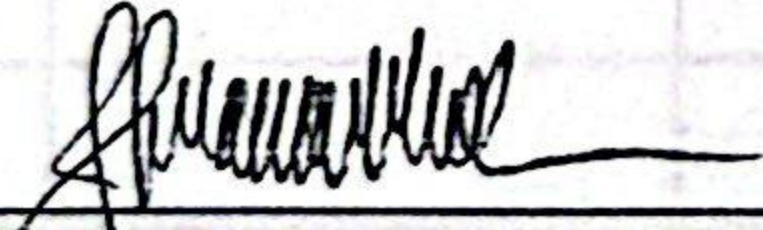
Signed: _____

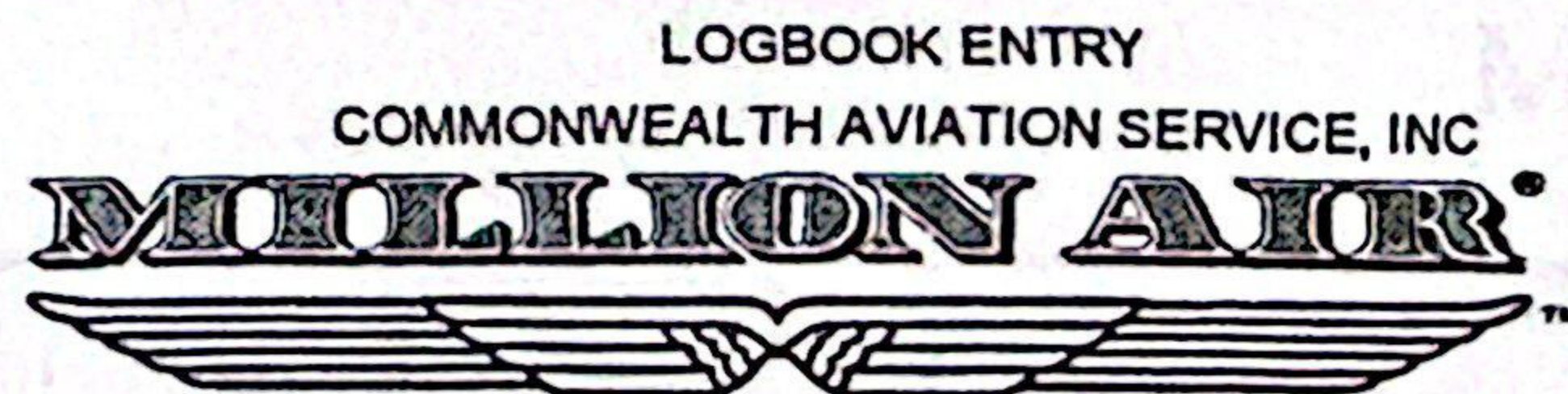
Print: _____

John T. Gardner
for
COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
LOGBOOK ENTRY COMMONWEALTH AVIATION SERVICE, INC  d/b/a MILLION AIR - RICHMOND CRS VXWR051W		LOGBOOK ENTRY COMMONWEALTH AVIATION SERVICE, INC  d/b/a MILLION AIR - RICHMOND CRS VXWR051W	
Manufacturer: Cirrus Model: SR20 S/N: 1969 Reg #: N197PG	Date: 8/6/2008 W.O.: M080805 ACTT: 41.9 Flight Hobbs: 41.9	Manufacturer: Cirrus Model: SR20 S/N: 1969 Reg #: N197PG	Date: 9/9/2008 W.O.: M080914 ACTT: 59.9 Flight Hobbs: 59.9
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 for the work performed. Pertinent details of this work order are on file at this repair station.. Complied with the 1st 50 hour scheduled maintenance requirements.		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 for the work performed. Pertinent details of this work order are on file at this repair station. Inspected brake reservoir for leaks, tightened fittings and cleaned lines. Serviced brake reservoir with 5606 hydraulic fluid. Ops and leak checked good at this time. Installed new anti-skid tape on left step. P/N: 12683-006	
Signed:  Print: <u>John T. Gardner</u> for COMMONWEALTH AVIATION SERVICE, INC. F.A.A. Approved Repair Station No. VXWR051W		Signed:  Print: <u>John T. Gardner</u> for COMMONWEALTH AVIATION SERVICE, INC. F.A.A. Approved Repair Station No. VXWR051W	



d/b/a MILLION AIR - RICHMOND
CRS VXWR051W

Manufacturer:	Cirrus	Date	10/17/2008
Model:	SR20	W.O.:	M081016
S/N:	1969	ACTT:	78.4
Reg #:	N197PG	Flight Hobbs:	78.4

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 for the work performed. Pertinent details of this work order are on file at this repair station.

Removed brake hydraulic reservoir and pressure checked reservoir, no leaks noted. However, the fitting that attaches to the reservoir was cross threaded. Removed defective fitting. Cleaned threads in reservoir and installed new fitting. Fabricated new line from 5052-0 .250" aluminum tubing using old line as a template. Installed line using conical seals and reservoir. Serviced reservoir with 5606 hydraulic fluid. OP's and leak checks good.

Cleaned, inspected and lubed wheel bearings with AS22 grease. Disassembled nose fork assembly and found thrust washer out of position. Cleaned and inspected thrust washer. Installed washer in the correct position and reassembled fork. Installed nose tire and wheel assembly and lowered nose gear. OP's check good on ground taxi. All work done referencing SR20 AMM.

Installed metered/unmetered fuel flow gauges and ran engine at max throttle. Metered readings 15.0 and unmetered 22.0. Reading are at high end of tolerance. Adjusted fuel pump aneroid adjustment as needed. Metered readings now at 14.0 and unmetered at 21.0. Removed fuel gauges. All work done referencing SR20 AMM.

Signed:

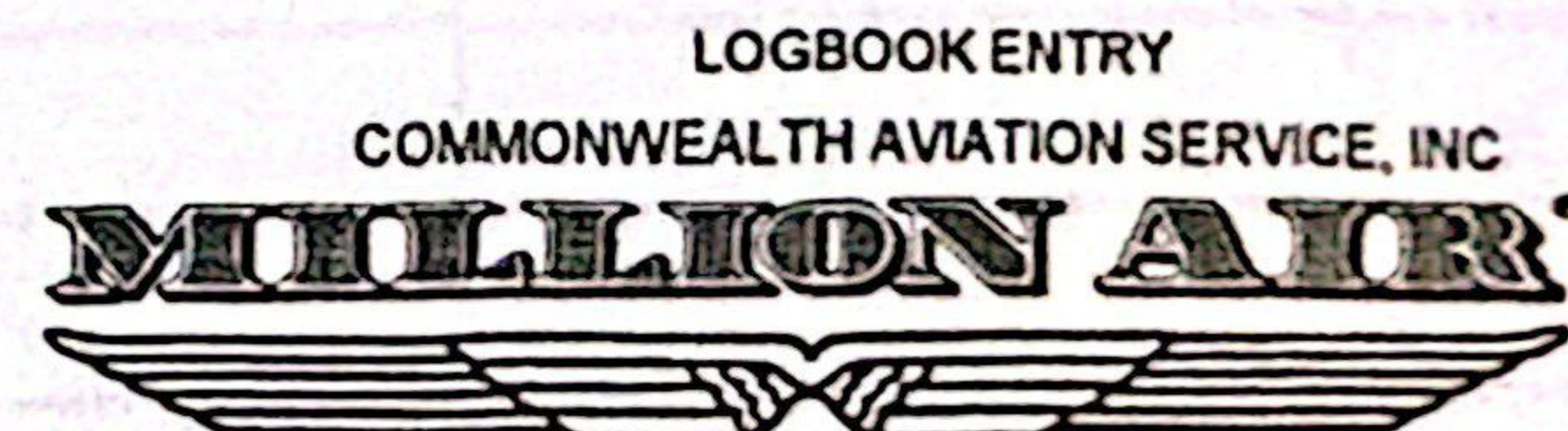
Print:

for
COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W

ANCE RECORD R. 43.9

WORK PERFORMED
DATA USED

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE



d/b/a MILLION AIR - RICHMOND
CRS VXWR051W

Manufacturer:	Cirrus	Date	11/18/2008
Model:	SR20	W.O.:	M081120
S/N:	1969	ACTT:	95.0
Reg #:	N197PG	Flight Hobbs:	95.0

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 for the work performed. Pertinent details of this work order are on file at this repair station.

Complied with 1st 100 hr. inspection items I/AW CDC Maintenance Program.

Complied with CDC SB 2X-57-10, Aileron Trailing Edge Inspection/ Adjustment, I/AW accomplishment instructions. No adjustment required.

Removed o-rings in left and right brake calipers and replaced with new o-rings referencing CDC 100 hr. inspection checklist. P/N off/on M83461/1-222.

Signed:

Print:

for
COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W



d/b/a MILLION AIR - RICHMOND
Cirrus Design Service Center
CRS VXWR051W

Manufacturer:	Cirrus	Date	5/7/2009
Model:	SR20	W.O.:	M090503
S/N:	1969	ACTT:	119.5
Reg #:	N197PG	Flight Hobbs:	119.5
		Hobbs:	184.9

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 for the work performed. Pertinent details of this work order are on file at this repair station.

The Cirrus Design SR20 S/N:1969 aircraft was inspected referencing current maintenance rules of the Federal Aviation Regulations for an Annual Inspection using the manufacturer's current inspection guide and is approved for return to service. The following items were serviced, repaired and/or inspected as noted.

Complied with Cirrus Pre Buy Inspection I/A/W Cirrus Pre Buy Inspection

Complied with FAR 91.207(d), Inspection of the ELT. No defects noted. ELT batteries due replacement May 2013 Artex ME-406 ELT S/N 09033 Hex address verified ADCC4 08D34 00261.

Complied with annual replacement of the brake caliper o-rings P/N M83461/1-222. Reinstalled brake assemblies, bled brakes and serviced brake reservoir referencing SR22 MM Chapter 32-42.

Complied with the annual replacement of the induction filter P/N: BA24 referencing Cirrus SR22 MM.

Complied with SB 2X-71-10 R2, Oil Breather Line Insulation Sleeve Installation, referencing the accomplishment instructions. Installed Kit P/N: 70230-001.

Removed defective screws from CAPS panel and installed new screws.

Complied with 100 hour replacement of gascolator filter. Installed kit P/N: 1742243-05.

AD 2009-05-05 N/A, by serial number of the PFD installed. S/N: 20063118.

Signed: _____

Print: _____

Mike Keeling
for
COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W

DATE OF
COMPLETION

AIRCRAFT TIME
IN SERVICE

DESCRIPTION OF WORK PERFORMED
OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

MAINTENANCE RECORD
F.A.R. 43.9

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
LOGBOOK ENTRY COMMONWEALTH AVIATION SERVICE, INC MILLION AIR d/b/a MILLION AIR - RICHMOND Cirrus Design Service Center CRS VXWR051W			
Manufacturer:	Cirrus	Date	9/29/2009
Model:	SR20	W.O.:	M090946
S/N:	1969	ACTT:	170.7
Reg #:	N197PG	Flight Hobbs:	170.7
		Hobbs:	254.6
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 for the work performed. Pertinent details of this work order are on file at this repair station.			
Complied with 50 hour airframe inspection items I/A/W Cirrus Scheduled Maintenance Program.			
Retorqued nose wheel axle bolt referencing Cirrus SR20 AMM 32-41.			
Retorqued nose wheel fork referencing Cirrus AMM 32-20.			
Signed:			
Print:	Mike Keeling for		
COMMONWEALTH AVIATION SERVICE, INC. F.A.A. Approved Repair Station No. VXWR051W			

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC



d/b/a MILLION AIR - RICHMOND

Cirrus Design Service Center

CRS VXWR051W

Manufacturer:	Cirrus	Date	10/5/2009
Model:	SR20	W.O.:	M091009
S/N:	1969	ACTT:	172.1
Reg #:	N197PG	Flight Hobbs:	172.1

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 for the work performed. Pertinent details of this work order are on file at this repair station.

Removed defective nose wheel & tire assy. and installed serviceable loaner nose wheel & tire assy. referencing Cirrus SR20 AMM 32-41.

Signed: 
 Print: John T. Gardner
 for
 COMMONWEALTH AVIATION SERVICE, INC.
 F.A.A. Approved Repair Station No. VXWR051W

LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC



d/b/a MILLION AIR - RICHMOND

Cirrus Design Service Center

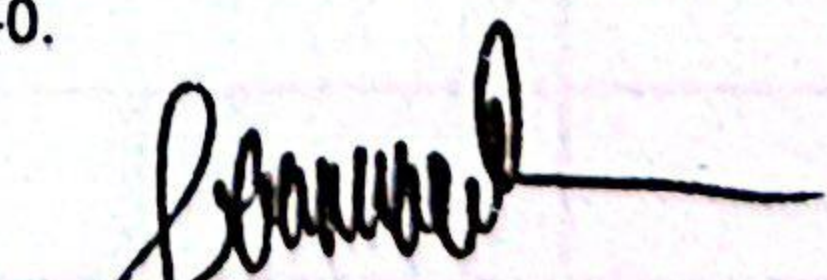
CRS VXWR051W

Manufacturer:	Cirrus	Date	10/5/2009
Model:	SR20	W.O.:	M091011
S/N:	1969	ACTT:	175.1
Reg #:	N197PG	Flight Hobbs:	175.1

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 for the work performed. Pertinent details of this work order are on file at this repair station.

Removed loaner nose wheel & tire assy. Disassembled original nose wheel assy and discarded old tire and tube. Cleaned and inspected all wheel components and repacked bearings. Reassembled with a new tire and tube. Torqued bolts and balanced wheel. Serviced tire with dry air. Work performed referencing Cleveland CMM. Installed original tire and wheel assembly on aircraft referencing AMM 32-41. Tire P/N off: 505C66-5 S/N off: 80260166 P/N on: 070-312-0 S/N on: 7029W00437 Tube P/N off/on: 092-308-0.

Signed: 
 Print: John T. Gardner
 for
 COMMONWEALTH AVIATION SERVICE, INC.
 F.A.A. Approved Repair Station No. VXWR051W

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC



d/b/a MILLION AIR - RICHMOND

Cirrus Design Service Center

CRS VXWR051W

Manufacturer:	Cirrus	Date	4/21/2010
Model:	SR20	W.O.:	M100420
S/N:	1969	Hobbs:	339.7
Reg #:	N197PG	Flight Hobbs:	250.8
ACTT:	250.8		

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 for the work performed. Pertinent details of this work order are on file at this repair station.

The Cirrus Design SR20 S/N:1969 aircraft was inspected referencing current maintenance rules of the Federal Aviation Regulations for an Annual Inspection using the manufacturer's current inspection guide and is approved for return to service. The following items were serviced, repaired and/or inspected as noted.

Complied with FAR 91.207(d), Inspection of the ELT. No defects noted. ELT batteries due replacement May 2013. Artex ELT ME406 S/N: 9037.

Complied with annual replacement of the brake caliper o-rings P/N M83461/1-222. Reinstalled brake assemblies, bled brakes and serviced brake reservoir referencing SR22 MM Chapter 32-42.

Complied with CDC SB 2X-27-16, Flap Actuator Modification referencing accomplishment instructions. Installed kit, P/N: 70231-001.

Complied with CDC SB 2X-32-19R2, NLG Assy inspection and reinforcement. Installed kit, P/N: 70238-001.

SB 2X-95-12 does not apply to this airplane. No CAPS line cutters have been replaced.

Complied with 2 year replacement of # 2 batteries. Ops check good referencing Cirrus SR20 AMM 24-30. P/N: 50979-001.

Complied with annual replacement of induction air filter referencing Cirrus SR20 AMM 71-60. P/N: BA24.

Complied with 100 hr replacement of the gascolator filter element referencing Cirrus SR20 AMM 28-20. P/N: 1742243-05.

Serviced # 1 battery with distilled water and charged as required referencing Cirrus SR20 AMM 24-30.

Removed left main tire and wheel assembly from aircraft. Disassembled and discarded old tire. Cleaned and inspected all wheel components - No defects noted. Reassembled with a new tire. Torqued bolts as required and serviced tire. Installed left main tire and wheel assembly on aircraft referencing Cleveland Wheel and Brake MM section 300 and Cirrus SR20 AMM 32-40. Tire P/N off: 156E61-3 S/N off: 72707227 P/N on: 070-449-0 S/N on: 7230W00295.

Removed right main tire and wheel assembly from aircraft. Disassembled and discarded old tire. Cleaned and inspected all wheel components - No defects noted. Reassembled with a new tire. Torqued bolts as required and serviced tire. Installed right main tire and wheel assembly on aircraft referencing Cleveland Wheel and Brake MM section 300 and Cirrus SR20 AMM 32-40. Tire P/N off: 156E61-3 S/N off: 73057232 P/N on: 070-449-0 S/N on: 7231W00380.

Updated POH with Revision A9 as needed.

Complied with 24 month magnetometer calibration referencing Cirrus SR20 AMM 34-20.

Removed and inspected nose wheel and tire assembly. Found nose tire requires balancing. Balanced nose tire as required. Performed nose wheel fork adjustment / test. No defect noted referencing Cirrus SR20 AMM 32-20.

Removed one washer on aft side of right MLG strut grommet to obtain correct gap referencing Cirrus SR20 AMM 32-10.

Signed:

Print:


John T. Gardner
 for

COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W



DOMINION AVIATION

Date: 6/30/2011; Aircraft: 197PG Type: CIRRUS SR-20; S/N: 1969; Hobbs: 471.40; Tach:; Total Time: 376.50 Engine - Type: IO-360-ES, S/N:; Prop - Type: , S/N:

AIRFRAME

REMOVE AND REPLACE RIGHT MAIN LANDING GEAR TIRE.

Removed tie down eye bolts to allow jacking. Installed bolts to facilitate jacking aircraft. Jacked aircraft. Removed fairings from right main gear. Removed right main gear brake caliper assembly. Removed right wheel assembly. Disassembled right wheel assembly. Inspected wheel assembly, noted small scratch on inner surface of outer wheel half. Removed scratch with 1000 grit emory cloth. Cleaned, inspected and packed wheel bearings. Replaced tire with p/n 156E61-3 s/n 02462119, tube with p/n 302-246-401. Reassembled wheel assembly. Reinstalled wheel assembly to right main gear. Reinstalled right main gear brake caliper. Serviced tire to 62psi with shop air. Reinstalled fairings to right main gear. Lowered aircraft. Removed jacking bolts and reinstalled tie down eyes. All work in accordance with Cirrus Airplane Maintenance Manual, Model SR20, 32-41 and 32-42, and Cleveland Wheel and Brake Maintenance Manual.

The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station under

Work Order number 22594.

Signed JG4.

Dominion Aviation CRS ODAR018H
7511 Airfield Drive
Richmond, Virginia 23237
(804) 271-7793

AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE

ly exhaust shield, old adhesive and sealant. Resecured shield with metal tape. Applied tape (50640-045U), primer sided tape. Reinstalled heat shield and riveted (CR3213-4-exhaust shield as required. REF: AMM 53-30.

elly exhaust shield, old adhesive and sealant. Resecured shield with metal tape. Applied tape (50640-045U), primer side tape. Reinstalled heat shield and riveted (CR3213-4-3), exhaust shield as required. REF: AMM 53-30.

cable tensions as needed. REF: AMM 27-10

or cable tensions as required. REF: AMM 22-12 and 060-00 and 27-30.

for rigging (0 degree was out of limits). Elevator travels were and within limits. REF: AMM 27-30

p 50% proximity sensor. REF: AMM 27-50.

hand holds. Installed serviceable new handholds (10690-A 53-20.

disconnected and stowed to deactivate the remote data WDM Standard Practice 20-00. Remote data module P/N: N/A.

wheel assy. as needed. REF: AMM 32-42

replaced pads (066-10500) on the right brake caliper Cleveland Wheel and Brake Manual.

ack on left lower wing skin paint outboard of cuff, primed, coat and clearcoat. Blended clearcoat afterwards. REF: AMM

ective right horizontal stabilizer. Applied paint to new fairing and installed. REF: AMM 53-50


John T. Gardner
for

COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W

MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	WORK PERFORMED	CERTIFICATE NO. RETURNED TO SERVICE
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LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC



d/b/a MILLION AIR - RICHMOND

Cirrus Design Service Center

CRS VXWR051W

Manufacturer:	Cirrus	Date	9/16/2011
Model:	SR20	W.O.:	M110923
S/N:	1969	Flight Hobbs:	404.3
Reg #:	N197PG	Hobbs:	499.2
TAT:	404.3		

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 for the work performed. Pertinent details of this work order are on file at this repair station.

Removed and replaced oil pressure transmitter with new part (11825-001). OP's checked good. REF: AMM 79-20.

Signed: _____

Print: _____

for
COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W

LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC



d/b/a MILLION AIR - RICHMOND

Cirrus Design Service Center

CRS VXWR051W

Manufacturer:	Cirrus	Date	10/7/2011
Model:	SR20	W.O.:	AV111003
S/N:	1969	Flight Hobbs:	411.5
Reg #:	N197PG	Hobbs:	506.4
TAT:	411.5		

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 for the work performed. Pertinent details of this work order are on file at this repair station.

Removed defective turn coordinator and installed a serviceable overhauled turn coordinator. Turn coordinator overhauled by Pacific Southwest Instruments (CRS # KD3R627L) on work order 254013. Functional checked referencing Avidyne model DFC90 ICA and AMM 34-20. OP's checked good. Turn Coordinator P/N off/on: 1394T100-14RB. S/N off A08-11622. S/N on C08-10713.

Signed: _____

Print: _____

for
COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W

ALTIMETER & STATIC SYSTEM CHECKS

F.A.R. 91.411

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.
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d/b/a MILLION AIR - RICHMOND
Cirrus Design Service Center
CRS VXWR051W

Manufacturer:	Cirrus	Date	4/21/2010
Model:	SR20	W.O.:	M100420
S/N:	1969	Hobbs:	339.7
Reg #:	N197PG	Flight Hobbs:	250.8
ACTT:	250.8		

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 for the work performed. Pertinent details of this work order are on file at this repair station.

The static system, altimeter instrument and automatic altitude reporting system have been tested and found to meet the requirements of FAR Part 43 Appendix E. The altimeter was tested to 20,000 feet. PFD P/N: 700-00006-000 S/N: 20063118, Standby Altimeter P/N: 5934AD-3 S/N: 467810, Encoder P/N: A-30 S/N: 112127.

The ATC Transponder System was tested and found to meet the requirements of FAR Part 43 Appendix F. ATC Transponder P/N: 011-00490-00 S/N: 83732827.

Signed:

Print:

John T. Gardner

for

COMMONWEALTH AVIATION SERVICE, INC.
F.A.A. Approved Repair Station No. VXWR051W

DATE 09-27-12 AC HRS 4728 N197PG

I CERTIFY THAT THE ALTIMETER, ALTITUDE REPORTING AND STATIC SYSTEM TESTS REQUIRED BY CFR 91.411 HAVE BEEN PERFORMED. TESTS WERE PERFORMED TO 20,000 FT.

ALT. 09-27-12 DATE

ENCODER 09-27-12 DATE

STATIC SYSTEM 09-27-12 DATE

THIS GTX 827 TRANSPONDER S/N DS 732827 HAS BEEN TESTED AND FOUND TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF CFR 91.413(PART 43 APP F).

DATE 09-27-12

SIGNED

Ronald W. Culpepper Jr.

INSPECTOR

BAY AVIONICS, LTD. HM1R197K

MAJOR ALTERATIONS

DATE

DESCRIPTION OF ALTERATION

LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC



d/b/a MILLION AIR - RICHMOND

Cirrus Design Service Center

CRS VXWR051W

Manufacturer:	Cirrus	Date	5/24/2011
Model:	SR20	W.O.:	AV110509
S/N:	1969	Flight Hobbs:	354.4
Reg #:	N197PG	Hobbs:	449.0
TAT:	354.4		

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 for the work performed. Pertinent details of this work order are on file at this repair station.

Complied with Avidyne Corp. STC SA00296BO, Installation of Avidyne Corp. Model DFC90 autopilot P/N 700-00170-000 as a replacement for the S-TEC System 55X autopilot. Refer to FAA Form 337 dated 05/24/2011 for all details of this alteration. Auto-pilot P/N off: 01192-34-61T-30 S/N: 0808-13319. P/N on: 700-00170-000 S/N: M111436988. PFD P/N off/on: 700-00006-000, S/N off: 20063118. S/N on: 20030237.

Signed:

Print:

Howard Jones

for

COMMONWEALTH AVIATION SERVICE, INC.

F.A.A. Approved Repair Station No. VXWR051W

AIRFRAME LOG ENTRY

N197PG Flt. Time: 471.4 Hobbs: 566.3

Cirrus SR-20 S/N 1969 Cont. IO-360-ES

September 26, 2012

Owner assist Annual Insp. Remove panels, fairings, cowl and seats.

Service tire pressures. Service battery with distilled water and charged.

Replace misc. panel screws as required. Spinner inspected.

*ELT Inspected IAW FAR 91.207(d). Battery replacement due: 5/20/13.

RCPI battery replacement due 4-2013.

C/W AD 08-11-18 Exhaust system leak inspection by visual inspection. A/D's checked up through this date and are current at this time.

Aircraft inspected IAW FAR 43.13 Appendix (d) Annual Inspection scope and detail and was found to be in airworthy condition for return to service.

Wm T. [Signature]
AD 228119728 1A

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

AIRFRAME LOG ENTRY

N197PG Flt. Time: 471.8 Hobbs: 566.8

Cirrus SR-20 S/N 1969

September 27, 2012

Install new left MLG tire Michelin 15x6.0-6/6/160 P/N 070-449-0

S/N 8184W00450 and Michelin Air Stop tube 15x6.0-6 P/N 097-500-0.

Install new left brake linings Cleveland P/N 066-10500. All wheel bearings cleaned and repacked with synthetic grease

Wm T. [Signature]
AD 228119728

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC.



d/b/a MILLION AIR - RICHMOND

Cirrus Design Service Center

CRS VXWR051W

Manufacturer:	Cirrus	Date	10/10/2012
Model:	SR20	W.O.:	M121012
S/N:	1969	FHM:	479.6
Reg #:	N197PG	Hobbs:	574.5
TAT:	479.6		

AIRFRAME LOGBOOK INSERT

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

Maintenance

Replaced flight hobbs meter speed switch with a new switch (14128-001) I/AW SR20 MM 31-50. OP's checked good. Performed a pitot static system leak check referencing AMM 34-10. Leak check good.

The above maintenance was accomplished referencing the Cirrus SR20 Airframe Maintenance Manual and/or vendor manuals and documented as required by 14 CFR 43.9.

With regard to the work performed, I certify that this aircraft is approved for return to service.

Signed:

Print:

John T. Gardner

for

COMMONWEALTH AVIATION SERVICE, INC.

F.A.A. Approved Repair Station No. VXWR051W

N197PG FLT TIME 471.4 HOBBS 566.3

CIRRUS SR-20 SN 1969

CONT IO-360-ES

FEB. 26, 2012

OWNER ASSIST ANNUAL INSP, REMOVE
DNL, FAIRINGS, COWL & SEATS. OIL CHANGED
W/ 8 QTS Phillips XC 25W50 & TEMPEST 108-1
OIL FILTER, SERVICE TIRE PRESSURES & BATTERY.

CHARGE BATTERY, REPLACE 11 SPARK PLUGS

RHM38E - REGAP SERV. PLUG & REINSTALL

IN TOP POSITION #6. COMPRESSIONS WARM

#1 $\frac{74}{80}$ #3 $\frac{79}{80}$ #5 $\frac{79}{80}$ #2 $\frac{69}{80}$ #4 $\frac{71}{80}$ #6 $\frac{70}{80}$

* ELT INSPECTED IAW FAR 91.207(d) BATTERY REPLACEMENT

DUES-20-13 RCPI BATTERY REPLACEMENT DUE 4-2013

* C/W AD 08-11-18 Exhaust Syst Leaks by Visual Insp.

AD'S CHECKED THROUGH THIS DATE AND ARE CURRENT AT

AGENCY & CERTIFICATE NO.
PERFORMED/RETURNED TO SERVICE

DATE OF
COMPLETION

Date: 4/635.90;
152.80;
***AIRFR

-Service
with shg
12-00.

The ma
accord
service
details

Work C

Signed

Domin
7511 /
Richm
(804)

The aircraft identified above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details of this work order are on file at this repair station.

Service Bulletins

SB 2X-21-05 "Cabin Air Coupler Actuator Rigging" no action required at this time.

SB 2X-27-16 R2 "Mod. To Prevent Possible Asymmetric Flap and Flap Actuator Over-Extension Conditions" complied with.

SB 2X-57-13 R2 "Lower Landing Gear Attach Bracket Torque" complied with.

SB 2X-74-01 "Fine Wire Spark Plugs Replacement" was previously complied with.

SB 2X-77-04 R1 "MAP/Oil Pressure Sensor Replacement" was not complied with. Customer reported no problems with either system.

Maintenance

Complied with 500 hour lower engine mount retorque.

Complied with 24 month magnetometer calibration. REF: AMM 34-20.

Complied with annual replacement of induction air filter with new element (BA24).

Complied with 5 year replacement of ELT RCPI battery (28L). Battery due replacement Aug. 2016. *

Complied with replacement of ELT battery with new battery (452-6499). Battery due replacement Jan. 2020. *

Updated POH with revision A10 (11934-003), all supplements are current.

Replaced fuel filter gascolator drain valve assembly with new assembly (50242-001).

Installed new interbaffle fastener (641346) and spring (641347) between cylinders 4 & 6.

Serviced main battery with distilled water and charged.

Cleaned and lubricated prop governor and throttle cables.

Replaced NAVVOR antenna grommet with new grommet (MS35489-20).

Rigged rudder pedal neutral position as required and installed new tumbarrel cable clips (MS21256-2).

Secured jamnut on right rear passenger headset jack.

Rigged right door internal release cable to open the upper and lower latches at the same time.

Installed flap actuator kit (70255-001).

The above maintenance was accomplished referencing the Cirrus SR20 Airframe Maintenance Manual and/or vendor manuals and documented as required by 14 CFR 43.9. With regard to the work performed, I certify that this aircraft is approved for return to service.

Inspections

The aircraft listed above was inspected for an Annual Inspection using the manufacturer's current inspection guide (revised 01 Feb. 2013) and is approved for return to service.

Complied with 14 CFR 91.207(d), annual ELT inspection. Artex ME406 S/N: 09037 ELT. Battery due replacement Jan. 2020.

Complied with annual ICA inspection requirements for the Avidyne DFC 90 installed autopilot.

The above inspections were accomplished in accordance with the Cirrus SR20 Airframe Maintenance Manual and/or vendor manuals as required by 14 CFR 91.409(a)(1). With regard to the work performed, I certify that this aircraft is in airworthy condition.

Signed:

Print:

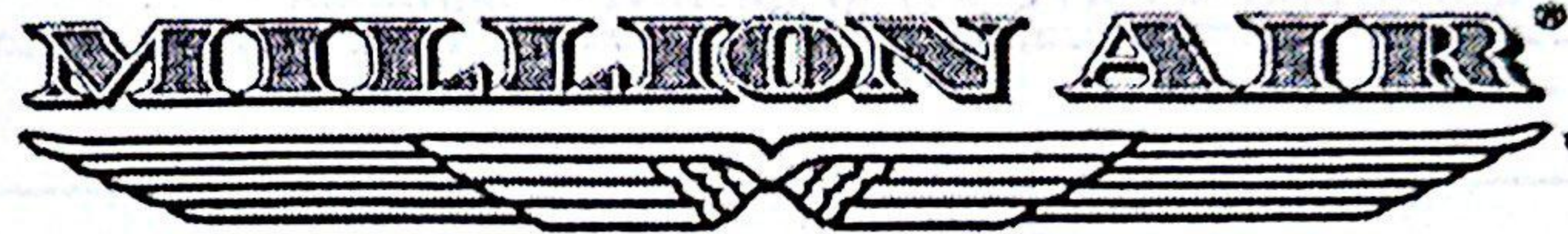
John J. Gardner
for

COMMONWEALTH AVIATION SERVICE, INC.

INSPECTION RECORD

LOGBOOK ENTRY

COMMONWEALTH AVIATION SERVICE, INC



d/b/a MILLION AIR - RICHMOND

Cirrus Design Service Center

CRS VXWR051W

Manufacturer:	Cirrus	Date:	10/29/2013	Engine:	TCM	Propeller:	Hartzell
Model:	SR20	W.O.:	M130923	Model:	IO-360-ES(21)	Model:	PHC-J3YF-1FR
S/N:	1969	FHM:	608.4	S/N:	360659	S/N:	FP6643B
Reg #:	N197PG	Hobbs:	719.6	TTE:	608.4	TTP:	608.4
TAT:	608.4						

ENGINE LOGBOOK INSERT

The engine identified above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details of this work order are on file at this repair station.

AD Notes

AD 2010-11-04 "Teledyne Continental Motors" requires no action. REF: AD para. (f), based on engine manufacture date and no record of any lifter replacement.

AD 2011-26-07 "Teledyne Continental Motors and Rolls-Royce Motors Ltd." requires no action. REF: AD para. (c), engine has Teledyne (Bendix) magnetos installed at this time.

AD 2012-03-06 C "Superior Air Parts, Lycoming Engines" requires no action. REF: AD para.(c), this engine has Continental fuel injection system installed. No AFS fuel servo installed.

Maintenance

Complied with annual fuel injector cleaning.

Installed new pushrod tube seal (641607) and o-ring (630286) for # 2 aft and # 5 forward pushrod tubes and valve cover gaskets (655704).

Removed left and right magnetos. Installed serviceable repaired left and right magnetos with new gaskets. Repairs performed by Quality Aircraft Accessories (CRS # QYIR334Y) on work orders WO1170011043.001 & .002. OP's and leak checks good. Left Magneto (P/N: 10-500556-3 S/N: D08BA436); Right Magneto (P/N: 10-500556-3 S/N: D08BA435).

Replaced right magneto capacitor with new capacitor (AB-349276).

The above maintenance was accomplished referencing the TCM IO-360-ES(21) Engine Maintenance Manual and/or vendor manuals and documented as required by 14 CFR 43.9. With regard to the work performed, I certify that this engine is approved for return to service.

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 DISAPPROVING AIRCRAFT FOR SERVICE
		<u>Inspections</u> The engine listed above was inspected (annual/100 hour engine items) using the Cirrus Design SR22 current inspection guide (revised 01 Feb. 2013) and is approved for return to service. Complied with engine cylinder compression check. Results as follows: # 1 - 76/80 # 2 - 74/80 # 3 - 76/80 # 4 - 74/80 # 5 - 77/80 # 6 - 75/80 Master Orifice - 55/80 Complied with 500 hour inspection of both magnetos. Left P/N: 10-500566-3 S/N: D08BA436; Right P/N: 10-500566-3 S/N: D08BA435 The above inspections were accomplished in accordance with the Cirrus SR20 Airframe Maintenance Manual and/or vendor manuals as required by 14 CFR 91.409(a)(1). With regard to the work performed, I certify that this engine is in airworthy condition. Signed: _____ Print: <u>John T. Gardner</u> for COMMONWEALTH AVIATION SERVICE, INC. F.A.A. Approved Repair Station No. VXWR051W

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 DISAPPROVING AIRCRAFT FOR SERVICE

~~CV09517~~
~~11-13-2014~~

INSPECTION RECORD

F.A.R. 43.11-91.409

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INSPECTION RECORD

F.A.R. 43.11-91.409

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